

FARM AND DAIRY

Simplification



Manufacturers of Cream Separators are constantly striving to outdo their competitors in the matter of simplicity. The more simple the construction of a Cream Separator, the better it is liked.

SIMPLEX Cream Separators

are as simple as it is possible to make them. They skim as closely as any other machine while possessing all the good points of any other Separator.

SIMPLEX is so simply constructed that it takes but a short time to take apart, clean and put together again.

The No. 9 machine has no neck bearing spring. This machine is the first one that has ever been sent out without a spring around the bearing. This spring is unnecessary on account of the floating action of the bearing under the No. 9 bowl.

Send to-day for full Descriptive Catalogue to



WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS



Seed Branch Extension Work Every year should add to the sum otal of our information about the difforent farm crops. A very effectual way in giving such information is through personal touch. The District Representatives in Agriculture of the Octario Department of Agriculture Representatives in Alexandree of Agriculture Ontario Department of Agriculture have demonstrated this fact beyond have demonstrated this fact beyond Orlatico Department of Agriculture have demonstrated this fact beyond the question of doubt. The Seed Branch of the Dominion Department of Agriculture, under the direction of school commissioner G. H. Clark, has adopt commissioner G. H. Clark, has election of a bidea in authorizing the selection of a bidea in authorizing the selection of a bidea in a submission of farmers on the side lines do fait the farmers on the side lines do fait the farmers on the side lines and the the based such as alfalfa, red clover, al-sike and timothy. Some reasons for such a line of pol-icy may be had in the facts that i. 1st, more farmers every year are demand-ing a pure supply of good seed; 2nd, seed merchants are finding it increas-ingly difficult to supply this seed and as our supply this seed and so great that is itself that the tare is so great that is itself that the tare is so great that is itself that the set is so to clana it - duar it is will purportable.

so great that it marketed that the tare is so great that it makes it unprofitable to clean it so that it will meet the re-quirements of the law; 3rd, the dump-ing ground they once had for such seed is being gradually closed to them, in that "Undo Security" seed is being gradually closed to them, in that "Uncle Sam" in many States is passing seed laws similar to our own; and 4th, in importing seed there is always danger of bringing in new weeds and adding to our weed trou-tion.

bles. A VALUARER TRADE. This trade in small seeds is a most valuable one to hundreds of Ontario farmers, and they should not let it slip from them. We should double our efforts to hold it, and we can hold it if only very simple and ordinary pre-cautions are taken. It will be the work of the Seed Branet Agents to discuss with the farmers how this may be done. be done.

be done. There is a growing opinion that the seed law should be amended so that the grades 1, 2 and 3 and rejected might be defined to enable all pur-chasers of seeds to know just where they stood when buying seed, and the opinions of the farmers will be taken on this succession. on this suggestion.

It is not expected that all the farm-It is not expected that all the farm-ers who are growing seed this year can be reached in the three weeks from June 201h to the middle of July, when these men will be out. It seems the most opportune time of the year for such work as the field which is calculated for seed may be visited and when the section operations offend as to how valuable suggestions offered as to how the crop may be handled to make it comparatively free from the bad weed seeds

Through the agency of the rural phones it will be possible to call to-gether at one farm five or six neighbors who are growing seeds and dis-cuss the matter with them collective 19. Some literature treating on the subject will be left for distribution, and in this way it is hoped that the message of these agents will be great-ly multiplied. L

the work proves beneficial and If the work proves beneficial and leads to results such as farmers who produce seed, taking more pains to sow clean seed on a clean chance and follow that up with the necessary weeding in the field, and we believe it will, then it is possible that the work will be extended another year.

COSTLY EXPERIENCE It may be safely said that last year It may be safely said that last year more farmers learned what ribgrass or buckhorn seed in red clover was than ever before. Those who had it in quan-tity in their seed either could not sell it, or they had to take a very low prime for it. This led to a better ac-prime the second of the second second prime the second second second second prime second the second second second prime second second second second second prime second second second second second prime second second second second second plant looks like, as the second left will contaminate the crop. Ragweed, catchfly, bladder campion and others of more or less frequent oc-currence in the small seeds will also be dealt with. Besides this these agents will col-lect even in ference agents will col-

lect some information for the Con-servation Committee on schedules pre-

servation Committee on schedules pre-pared by the committee. It is expected that in this way as much help will be given to the produc-tion of pure small seeds as has been given to the cereal crops through the field crop competition work, which has been minue on now for four or fore been going on now for four or five years .-- T. G. Raynor, Seed Branch, years.-Ottawa

Items of Interest

The efforts of the council of the United Counties of Northumberland and Durham, assisted by the Board of Education, and citizens of Port Hope, have resulted in the Ontario Govern-ment deciding to start an agricultur-al class in the town of Port Hope next fall. It is understood that another branch office of the Department will be opened in Lambton County.

be opened in Lambton County. A most successful picnic was held at Mr. J. H. Garbutt's farm, Peter-boro, Ont., on Friday last on the oc-casion of the annual meeting of the West Peterboro Farmers' Institute. The Women's Institute of Lakefield attended. H. C. Duff of Norwood and Mr. Simpson Rennie of Toronto gave practical addresses. The outing should Farmers' Institute.

Applications from 50 different dis-tricts throughout Manitoba had been received up to June 8th by the Pro-vincial Elevator Commission for the eraction of grain elevators. The commission has a staff of 12 experts on the road investigating elevator facili-ties and possible sites for public ele-vators. It is expected that in a short values. It is expected that in a short time applications will have been re-ceived from 60 per cent. of the grain growers of Manitoba for the installa-tion of public elevators at principal points in the province.

The United Counties' Council of Durham and Northumberland at their June session endorsed the scheme of the deputation that waited upon the Government, February last, with a view to getting the waste areas of the united counties reforested. The Coununited counties reforested. The Coun-cil is still hopeful, and believes that although the Government is moving cutionsly and slowly in the matter they will in the near future make some move and that being the first to make the request, Durham and Northunuberland will receive first con-Northunuberland will receive first consideration

According to the report of the Na-tional Transcontinental Railway Commis ion 63 per cent. of the grading on the whole line from Moncton to Winthe whole line from Moreton to Win-nipug is now finished and 45 per cent, of the bridging. During the year, 221 wiles of track were Irid, the total track mileage on March 31, totalling 700, with an additional 165 miles of vidings. Steel is laid on about half of the distance from Moneton to Win-ming. Construction work is being vigorously pushed this summer en-every section of the line, and it is expected that the road will be ready for through traffic in August or Sep-tember of 1912. The line from Winni-uga to Fort William will be opened 'or regular traffic next August. The total expenditure on the road un to the end of the fixed year was \$71,137,-993.

R'd Clover Seed. — The Seed Commissioner, J. H. Clark, advises farmers who have clean land to take the first cut of early red clover as soon as possible after June 20th, and thus provide the best conditions for a good second growth for seed crop. The best we to clean clover, he says is to could second growth for seed crop. The best way to clean clover, he says, is to pull the weeds before the crop is harvested. The increased market value of the seed will more than pay the labor entailed.

neglect and q fair pr ter ma

1. E

The growing tering ing. T orchard most p demonst ship of Simcoe Bay, ha trict rep Departn Metcalfe located have bee demonst ers how vate the ed ultim is a rem chards w

The o work of cated on draw the that is be pearance renovated pruning a to which great inte scraping, manuring the orchar crop, which allow it t winter mu will be gi thought, w

61



Ea

Vol.

; Illust

X/



Vol. XXIX.

re.

184

nd

of

xt er ill

ld

ld nd

ld

o-he

e-rt

a-al

ir

ie

n-at

er

51

14

n

st

RURAL HOME FOR WEEK ENDING JUNE 23, 1910.

FARMAND DAILD

No. 25

Only \$1.00

a Year

THE POSSIBILITIES OF APPLE GROWING BEING DEMONSTRATED

J Illustration Orchards Have Been Established in the Georgian Bay District, Ont. Natural Conditions Most Envorable to the Production of Apples. Trees Sadly Neglected. A Solution of the Situation

TONDERFUL possibilities lie Lefore the apple growers of the Georgian Bay District. It is the home of the Spy. Other valuable commercial sorts as



well all seem to be especially adapted to the prevailing soil and climatic conditions. The rank and file of orchardists in the district, however, heretofore, as outlined briefly in Farm and Dairy last week, have not been alive to their opportunities in respect to apple growing, and while there is on practically every farm from one to 10 acres of orchard, the trees have been

I. F. Metcalfe

allowed to suffer from wanton neglect until they are in a sad state and quite incapable of returning fair profits until placed under better management.

AN ERA OF AWAKENING.

The district, so far as apple growing is concerned, is now entering on an era of great awakening. The possibilities of the apple orchards are being proved in a most practical way Ly means of demonstration orchards. The township of Nottawasaga, which is in Simcoe County, and borders on the Bay, has been organized by the district representative of the Ontario Department of Agriculture, I. F. Metcalfe, B.S.A., and six orchards, located at advantagious points, have been selected for the work of demonstrating to the fruit growers how to prune, spray and cultivate their orchards. It is expected ultimately to show that there is a remarkably good profit in orchards when properly managed.

The orchards selected for the work of demonstration are all located on main roads. Large signs

draw the attention of all passers by to the work that is being done. The remarkally improved appearance of the orchards since they have been renovated and the practical demonstrations in pruning and spraying in all of the six orchards to which the farmers were invited, have aroused great interest. The work so far has included scraping, pruning and spraying the trees, and manuring and cultivating the orchards Shortly the orchards will be seeded down to some cover crop, which will check the growth of the wood and allow it to mature before the cold weather of winter must be endured. Three sprayings in all will be given during the season. These, it is thought, will be sufficient since there is only one

brood of the codling moth in this northern district. With the exception of one of the orchards where part of the trees were sprayed with Bordeaux, commercial lime-sulphur d'luted one to 40, and arsenate of lead, three pounds to the barrel, is the spray mixture used.

NOTHING COMPLICATED ABOUT THE WORK.

The spray outfit used for demonstrating is of a very ordinary kind. The wagon and tower were fitted up by the owner of one of the orchards; the outfit is such as any farmer might make for himself. The work is Leing done in the simplest manner possible, and materials in their most convenient form are being employed. Afterwards, if the farmers of the district care to go into spraying on a wholesale plan, the home-made spray preparations will be given a trial.



Some Effects of the Influence of the Orchard Demonstrations

Dense Electre at the indicate is ordere Veneralizations. This illustration, taken in an orchard near Collingwood, Ont., near one the demonstration orchards, shows how many farmers, are starting in to prove their orchards. The lower how many farmers, are build, but dd nos es were pruned off most improperly. N how to do the work. The Department, through meant well, but dd nos h. I. F. Metcalfe, B.S.A., is prepared to show farmers in the district just it to properly care for their orchards. ——Photo by an Editor of Farm and Dairy.

The orchards are located on the farms of the following men: W. Hamilton, Collingwood; W. J. Ovens, Duntroon; C. Campbell, Stayner; R. Steele, Cashtown; S. Blackburn, Creemore; John Osborne, Dunedin. These orchards are representative of orchards in the district, some of them Leing equal to the worst before they were taken over by the Department.

CONDITIONS IN THE ORCHARDS.

The orchard on Mr. Hamilton's farm when taken over was in sod. It was simply dying because of the oyster-shell bark louse. The orchard was most favorable for the work, since the trees were comparatively young and were not so large but

that something good could be made out of them. Several trees of the lot are left unpruned and unsprayed. These contain dead limbs, which on examination prove to be covered with the oystershell bark louse, their presence not having been suspected by the farmers, who wondered what killed the limbs. Mr. Hamilton's orchard at the time it was inspected Ly an editor of Farm and Dairy had taken on an appearance quite the equal of the best cared for orchards in other noted apple districts

It was thought by many farmers that the orchard at Duntroon on Mr. Ovens' farm could not be cultivated. It had previously been in sodnot unlike the other orchards taken over by the Department and practically like all the orchards in the district. Part of this orchard is of medium sized trees. These have been put into excellent shape, while some remarkable transformations have been worked in connection with the older trees in the other part. Many of the trees, in fact, most of them, had years ago been grafted to good commercial varieties, but these graf had

been allowed to shoot up unpruned and uncared for. Now this orchard is a very respectable one, and Mr. Ovens is greatly pleased with the work that has been done.

UNPROMISING PROSPECTS.

Probably the worst proposition of the six was encountered in the orchard, taken over at Stayner, on Mr. Campbell's farm. The trees were very old. They were high, thick in the tops and full of dead wood. Some great object lessons in pruning are to be found in this orchard, and they show what it is possible to do even with the worst of apple trees. This orchard has probably been set out for over 50 years.

The demonstration orchard at Cashtown on Mr. Steele's farm is by no means a promising one. The trees are scattered. They were previously so full of dead wood that the greater part of some of them had to be trimmed out. If it is possible to get results from this orchard, there is great hope for any

other orchard, no matter how bad it be. Although no exceptional results are anticipated from this orchard as a whole, good results are looked for from individual trees.

A CHARACTERISTIC ORCHARD

A very unpromising, neglected orchard was taken over from Mr. Samuel Blackburn, Creemore. There was so much dead wood and fallen limbs in it that it was quite impossible to drive a rig through at all until a lot of it had been cleared away. The orchard is only a little more than one acre in extent, yet the pile of firewood obtained from the trimmings of these trees would keep the average farm house cook stove supplied with fuel for many months. Mr. Blackburn had thought this orchard to be a hopeless proposition and had

started to cut it down. Hearing this, Mr. Metcalfe secured his consent to take it over as one of the demonstration orchards. It now has a fair appearance and affords an excellent example of the intrinsic value of even the most hopeless orchards.

The orchard at Dunedin, on Mr. John Osborne's farm, like the others, had not been plowed in years, nor pruned, nor sprayed. It had borne some very good apples notwithstanding. The trees are thrify and after the care they have received this season they will be in a position to demonstrate the advantages of up-to-date orchard practice.

It seems most remarkable that in a district favored as is this one, apple trees should have been allowed to suffer such neglect. Exceptional success should attend fruit growing in the district. The soil is well adapted to the growing of apple trees and of many of the semi-hardy fruit trees. The tempering influence of the Georgian Bay to the north and the protection offered by the Blue Mountains near by, which are a continuation of the Niagara escarpment, render the climate of the district most favorable for fruit. Years ago apple trees were planted here in large numbers. Farmers were encouraged by the remarkable growth made and planted still more of their land to orchard. Most of the orchards are comparatively old. Very few young orchards are to be seen. Thus it would seem that the discouragements previously mentioned that led the farmers not to plant more orchards, went so far as to keep them from caring for their old ones. Owing to lack of knowledge as to how to care for their apple trees, indifferent markets and prices, their owners allowed these orchards to become a very secondary consideration.

The influence of the demonstration work is already having effect. Some of the farmers have commenced to prune their trees, to plow and cultivate their orchards, which for years have been in sod, and general intrest is being taken in the work. Mr. W. F. Kild, of Simcov, who is in charge of the practical work in the orchards and to whose expert skill considerable of the success of the work is due, will remain in the district throughout the summer, going from farm to farm, taking over orchard matters and showing those farmers who wish to learn by actual demonstration how to prune ard care for their orchards so that they may return greater profits.

METHODS OF MARKETING.

Remarkable as is the situation in regard to the orchards of the district under consideration, much of the situation is due to the methods of marketing that have been in vogue for many years. Some 25 years ago farmers in the district became convinced of the fact that Spys and Greenings were the best varieties of apples that could be grown. In fact, they were the only kind that could be sold and as a result the majority of the trees were grafted to these sorts. Buyers from a distance, eager to get the high quality fruit that can be grown in this northern fruit belt each year have gone into the district and bought the apples "so much for the orchard," the farmers not having realized the value of the crop. Hence the returns from the orchards were not such as to encourage farmers to give them better care, to inform themselves as to modern orchard practice, or to put the orchard into any shape whatever where they might have had a chance to demonstrate how profitable they could be made.

The time of awakening seems now to be at hand. It will be only a matter of a little time when these orchardists will become seized of the advantages of co-operative selling and will organize themselves so that they may reap the best returns from the sale of their apples by selling them through co-operative associations. Thus they will obtain prices commensurate with the high quality of the fruit they have to sell.— C. C. N.

Draft Horses as an Investment

R. M. Holtby, Ontario Co., Ont.

Driving, or even general purpose horses are all right in their place; one or two are a convenience and almost a necessity on the average farm of 100 acres or more, but when it comes to raising horses for profit, the draft horse stands alone for a farmer's horse. After two years of age the draft horse will earn his feed, if necessary, and will sell for at least one-third more mome than



Much too Thick in the Top

his lighter rival. This extra one-third is nearly all profit since the cost of raising the two classes is about the same,

There is perhaps a wider range of prices between draft and light horses than ever hefore, especially where weight and quelity are available. If the last few years are any criterion, the discrimination in prices will continue to widen. Even farmers as well as city draymen are looking more and more for horses to draw heavier implements and heavier loads, thereby lessening the cost of hauling.

Recently I became possessor of a three-year-old filly bred from a French coach horse crossed on a general purpose mare. She was sound and a good mare of her kind and I sold her shortly after for \$135.00. In the same stable were four



Same Tree after Careful Pruning

These two illustrations and the one on the front over, are all of the same tree in Mr. Overas' orchard, i Duntroon, Ont. Mr. Kidd of Simcoe, appears in the oreground. Read the article on page 3. Photo by an ditor of Farm and Dairy.

Clydesdale fonls, two from registered Canadianbred mares. These two foals were purchased at weaning time for \$125.00 and \$150.00 each. The other two were from imported dama and the same sire. They would sell readily at \$175 each. Thus they would bring more money than the French colt rising three years. Good draft colts rising three years old from registered mares would be worth from \$200 to \$300, while an animal in good condition with weight and extra quality would be worth more.

Money invested in well bred cattle, sheep or

June 23, 1910.

swine will prove a good investment in the hands of business men; but I believe that the first thing to do along the line of stock improvement is to buy draft marcs. Horses are a necessity on every farm. From 8150 to \$200 has to be invested in almost any three-year-old horse, round and able to do his share of farm work. An extra investment of \$150 to \$200 will buy a registered draft mare of which any man may be proud, to say nothing of the added interest in farm life it would give the young folks. This mare will do her share of farm work and produce a good foal as well.

We believe that many farmers to-day pay more attention to increasing their bank account or to paying for land than to increasing the revenueproducing power of their farms. After careful thought, we are satisfied that a man will do better to invest his money in good stock than to put it into either banks or land. In other words, a farmer might better be a tenant, with firstclass stock, kept in good condition, than to buy land with not much money to pay down and Le forever putting his money into the farm to save interest. Even when profit over the cost of feed is taken into consideration, we think the stock side of the question is away ahead. In the case of draft mares will earn their feed, thereby greatly increasing the profit.

STOCK VS. LAND AS AN INVESTMENT.

Suppose a man buys 100 acres of land at \$6,000. Under average conditions, he could rent that land for \$300. The landlord would not receive five per cent. for his money after keeping up repairs. If half that money were invested in three draft mares at \$333 1-3 each or \$1,000 for the three, and in 10 pure bred dairy cows at \$200 or \$2,000, or a total of \$3,000, the income would be as follows: An average of two foals for three mares each year will not be too much to expect and from mares of this value, the foals should be worth at least \$125 each, making \$250 for the two. Deduct \$30 for service fees and there is \$220. After allowing \$25 for depreciation of value in the mare (which would be nothing up to nine years), you have \$170 or 17 per cent. on the \$1,000 invested, and the mares would do the farm work.

A sum, say \$200 each, in pure bred dairy cows should buy cows that would produce from 7,000 to 10,000 ba. of milk, which would sell ordinarily for 1 1-4 cents a pound, or \$106 each for milk, while the pure bred calf would go a long way to paying for her board, which would be on an average \$40. After deducting a liberal amount for cost of milking and handling the product, it still leaves a big interest on the investment and dairy cattle are not the orly kind that will make big interest.

SOME EXAMPLES.

Numerous instances can be given where draft mares have made big incomes. J. Stark, of Durham Co., Ont., has a mare from which he has sold \$1,500 worth of colts and has still three left. Mr. Wm. Pollock, of Ontario Co., Ont., a few years ago sold a Canadian-bred mare for \$250 when she was rising three-year-old. He then bought an imported mare in foal to McQueen for \$500. Neighbors thought he had lost his head, but he refused better than \$450 for this horse's foal before it was two years old and sold him after for a good sum at three-years-old. The next year she did not raise a foal but the following year raised a splendid horse foal which was sold this year at two years old for \$400. He now has a yearling filly, (full sister to last), and a horse foal this year by Acme, which if they were both sold would make a grand showing for this mare, and she is still worth her purchase price. Numerous instances could Le given where mares have done much better, but the figures given can be reached by any farmer who will give his attention to the matter in hand and feed liberally when fitting for sale.

Perhaps what I have written will lead some

Fai this dra ing pur

Н

the

fari yea hou unio W fact incr tion fact or n He and ploy 4.1 well it is as to wher itself I ing a man was work neces them

until there matter Wh their forces

empl

issue. Suj

Lo In a we have we ai have feed is condit prices winter We We commenta

until . The

to cut

of the had en dry sea the flor as the Second silage alfalfa,

Anot in com Hungar helpful We fr by usin stable great lo partly o

Farm and Dairy readers to serious thought along this line. They will see the great advantage of draft mares in connection with everyday farming. If they do, this article will have served its purpose.

More Work in Fewer Hours E. F. Eaton, Colchester Co., N. S.

Habit, rather than necessity, must account for the long hours of labor so common on the average farm. The large manufacturers of our cities, years ago, viewed with as much concern the short hours of labor as do we farmers to-day. Trade unions forced them to give shorter hours of labor. What has been the result. The output of the factories has not been decreased. In fact, it has increased in many cases and that without additional men. Under the new order of things the factory operative accomplishes as much in eight

or nine hours as he formerly did in ten or eleven. He worked more strenuously, made fewer mistakes and in every way became a more efficient emplovee.

i us principle applies and works out equally as well in the country as in the cities. The work, it is true, will have to be planned with care so as to make the best use of the hours of labor, but when this is done the labor problem will solve itself.

I well remember my own experience when working as a hired man on somebody else's farm. The man I always did the most and the best work for was the man who worked short hours and had the work planned ahead. When extra hours were necessary I was always ready and willing to put them in for such a man. On the other hand, some employers kept me going from daylight till dark until I was utterly disgusted with the place, and there I could not keep an interest in my work no matter how hard I tried.

When farmers adopt the same methods with their labor that employers in the city have been forced to do, the labor question will soon be a dead issue.

Supplementary Feed for Milch Cows Louis P. Hubbs, Prince Edward Co., Ont.

In order to get the best results from milch cows we have to provide the right kind of feed. Since we aim to make a profit out of the business, we have to produce a feed at a low cost. We find it ssary to feed grain in connection with this feed in order to keep our cows in the best possible condition to keep up the flow of milk when the prices are the highest, viz., from August on to winter.

We have a large run of low land for our cattle. We commence to feed them additional or supplementary feed as soon as red clover is large enough to cut, which is early in June. Clover will last until July, when we have peas and oats.

ENSILAGE FOR SUMMER FEED.

The very best feed we can get for the dry time of the summer is ensilage. Whenever we have had enough ensilage left over to feed during the dry season we have had no trouble in keeping up the flow of milk. The cows relish it fully as well as the corn when it is first large enough to feed. Second crop alfalfa fed in connection with the ensilage is another good feed. With ensilage and alfalfa, very little grain will be needed.

FEED IN THE STARLE

Another good feed for late in the fall to feed in connection with ensilage or corn is millet or Hungarian grass. Either of these prove most helpful in keeping up the flow of milk.

We feed altogether in the stable and find that by using a truck wagon to draw the feed to the stable we can do the feeding without any great loss of time. Alfalfa should be wilted and partly cured before being fed, for if cattle eat too

FARM AND DAIRY

much of it while green it is inclined to cause bloat or indigestion

In connection with this supplementary feeding we are not going to get the best results unless the cattle are provided with plenty of good water. And they need salt every day. It is for the feeder to judge what each cow needs. It is also necessary to protect our cattle from the horn flies. We have tried various preparations and find they all give relief; we have yot to find any the effect of which is permanent evough, but it pays to use them and in connection with clearing the flies they also clear the skin.

Milk and Cream for City Trade R. W. Walker, Ontario Co., Ont.

The production of milk and cream for the city trade has in recent years become a business of very much importance . A number of years ago the retailing of milk in the city was carried on by numerous small milk dealers, who would buy their supply of milk from the producers, to be



An Excellent Growth of a Wonderful Crop

All Excelled urawis of a Wenderful Crop The illustration shows how alfafta thrives in Peter-boro Co. Ont. The field shown is a high stony hill, boro Co. Ont. The field shown is a high stony hill, Photo taken May 24th, 1960. grows lauxirality on it. Dairy, on Mr. S. Matchett's farm. Mr. Matchett may be seen to the right of the illustration. Mr. J. I. Brown, of Montreal, the poultry expert, who assisted in or-ganising the coperative egg cricles, appeara to the left.

paid for on the 10th of each month. They would pay up fairly well perhaps for a month, then they would begin to fall behind with their pay, perhaps get behind two or three months or more, then some of them would sell out to some other party, and then they could not be found and the producer had to stand the loss as best he could. But the retail business has changed since that time. Now we have several large dairy companies in the retail business who have a very large amount of capital to back them, which makes it a safer business for the producer than it was formerly.

LARGE PRODUCING COWS.

To produce milk of good quality and cheap enough to make it a paying business, we must select our cows from one of the large producing breeds of dairy cattle. We then must feed and care for them the very best we know how and see to it that we have an abundance of feed for the winter such as ensilage, or dead corn, also roots and hay, and feed a sufficient quantity of mixed grain meal and bran and oil cake meal, with a liberal supply of salt, which tends to keep the cows healthy and in thriving condition.

We aim to have a quantity of green feed on hand, such as oats and peas, also green corn, so that when the pasture begins to fail we can keep up the regular flow of milk by feeding green feed in the stable; later on in the fall we feed roots (mangels and greystones).

Our cows are supplied water from a flowing artesian well, which flows into the basins in front of the cows. These basins all have covers on them to keep chaff out. The cows lift the covers and drink all they want, and the cover closes again. We find by watering in the stable it adds much to the comfort of the cows, which aids them in producing more milk. Our experience teaches us

that cows producing heavily do not require to be turned out of the stable for exercise.

The watchword of every milk or cream producer should be Cleanliness. Cleanliness is imperative around the stables. The cobwebs and dust that collect through the winter season should

How to Make the Orchard Pay Enclosed is \$1 70 renewal for the most practical and interesting agricultural paper circulated in Canada-(Farm and Dairy) suited to our methods and seasons and full of the latest information on how to make the acrea and orchards pay.-Barlow Cum-Lerland, "Dunain Farm," Durham Co.,

Ont.

Le all swept down from the ceiling and the walls and then all should be whitewashed all over with lime wash. We use a spray pump for the work, and whitewash the whole inside of the stable, stalls and mangers included. We use plenty of dry lime in the gutters, which helps to keep the stables clean and sanitary.

It is the duty of each milker to brush and clean the cow's udder and flanks free and clean from dust and dirt before they start to milk. As soon as they finish milking a cow her milk is taken away at once to the milk room and strained through an ordinary strainer into a milk filter set on the shipping can. When we get sufficient milk in the can it is put into the cooling tank. The milk filter is made to hold about two gallons, the bottom is made to taper to about four inches; then a fine wire strainer is soldered on; then another fine wire strainer is made to fit over this one and is held there by a screw clasp. We put a piece of absorbing cotton Letween these two strainers, and after the milk has all filtered through the cotton we take the strainers apart and take the cotton out, and put a new piece in, ready for the next milking.

If we are shipping sweet cream, we put the milk through the cream separator as soon as milked; then cool the cream in the cooling tank, using ice in the water, the same as when cooling milk. The water runs into the cooling tank from the flowing well and by having a stream of cold water constantly running into the cooling tank and out again we do not require to use so much ice

We ship our min. every morning. It leaves our station about 7.30 a. m. and arrived in the city of Toronto about 10 o'clock. In shipping sweet cream to the city it is best to send it every day, although it can be held to ship every other day by very careful cooling and the use of plenty of ice.

In the warm weather when shipping sweet cream it is necessary to use a jacket on the can, otherwise the can must be set in a deep tub for the purpose and packed with ice. If we are shipping churning cream we don't require to use ice.

How to Whitewash Stables H. C. Clarke, Halton Co., Ont.

The stables should be well whitewashed once or twice during the summer. This can be done conveniently on a rainy day. With an ordinary spray pump a large stable should be whitewashed in a day with one man to pump and another to hold the nozzle. A little crude carbolic acid mixed with the wash, although slightly objectionable, because it gives a slightly yellow tinge to the lime, is a good disinfectant. Sweep down all cobwebs and thoroughly scrape the dirt out of every corner, then spray thoroughly ceilings, walls and

The wash has to be made thinner than when it is to be applied with a brush. Use good lime and strain it into the spray tank, otherwise the nozzle will be clogged by particles of solid matter.

ids of ng to o buy every ed in able avestdraft o say ife it ill do foal

10.

enue reful ll do an to ords first-buy id Le save feed stock ase of

ereby

3,000.

that

ceive

more

or to

g up three r the 00 or ld be nares and vorth two. \$220. le in nine 1,000 vork. cows 7,000 arily milk. iy to 1 an ount t, it and nake

Durhas left. few \$250 then 1 for , but foal after year year this as a orse both . are, umhave

ı be

tion

vhen

ome

lraft



as to my method or feeding and caring for pigs at this season of the rear. I like to have all my breeding sows, as well as stock boars, out on a nice piece of clover as early as possible in the

Thrifty Pigs in an Outside Run Pigs, like other stock, can make good use of a pasture lot during their early per-iod of growth. Breeding stock are es-pecially benefited by exercise and green feed.

Breaking on the Western Prairies

A Real Mortgage Lifter

shown. years.

spring.

THIS IS THE SHEET METAL AGE.

Lightning, wind, rain or snow have no effect on a "Galt" Steel Shingled Roof.

Lightning just glides off ou steel roof, follows down the conductors and disappears into the ground

The continuous, overlapping, interlocking top joint and the Gale-proof, closed-end, side-lock afford no opening for the wind-and entirely blown through the joints-one of the weaknesses of other shingles.

THE GALT ART METAL CO., LIMITED, GALT, ONT. Sales and Distributing Agents: Dunn Bros., Winnipeg and Regina.

"Galt"

Shingles make twice as secure roof because they are the only locked shingle nailed on two sides.

Handsomest and easiest and quickest laid shingle on the market. Catalog "B-3" tells about

them

Galt" Shin g

Save Time, Money and Labor With These Implements

The DAIN ALL-STEEL SIDE DELIVERY RAKE

SUBC DELIVERY RAKE

The EASY-RUNNING DAIN HAY LOADER

DAIN HAY LOADER With of hest material: strarming the strain of the strain of the strain of the strain strain of the strain of the strain of the strain strain of the strain of the strain of the strain strain of the strain of the strain of the strain of the strain strain of the s

Don't spend a dollar for any hay-making implement until you get the Dain free catalog. Get this information. It will pay you. Write now.

DAIN MANUFACTURING CO., Limited 103 DAIN AVE., WELLAND, ONT.

ing will not cost over \$25 an acre, and once the drains are constructed they are practically permanent. Some of the advantages of drainage, the speaker said, are: The removal of surplus water in the spring, the averation of the soil; increased capil-lary capacity of the soil and a warm-warm. A drained soil will be from spring the degrees warmer in the spring the degrees warmer in the strong diverse of the soil. In a drained soil, the definition is lowered immediately in the table is howered immediately in the spring, giving the plants a chart table is no draining both food and moisture of obtaining both food and moisture

then better provided with the means of obtaining both food and moisture during the dry parts of the summer. The lakor problem in many cases is the great objection to drainage. The ditching machine, however, promises to solve this problem so far as tile drainang is concerned.

drainage is concerned. Three feet is the ideal depth for tile drainage. In light soil, the drainag may be put four to six rods apart. They should be put closer in heavy soil two role arent soil, two rods apart in many cases be-ing desirable. Great care should be ing desirable. Great care should be taken in laying tiles, as any sag greatly hinders the effectiveness of the drain.



Т a fe and the ted' on t ing, dan enor "spo der plan Sh ly ir the form a (Worl seed ing seedl have plowe then ed cr Ins ing. a cu a cu clean, plan

th bit

resh

cr te

ba flo cos the

she one 69

yaı

at bot

me

top

cen a Con

W

nate use d Elm

Offer Rock h Brown one ye J.H.RL Telep

FOR S TWO C



TORONTO, ONT.

68

It is not yet too late to sow oats and tares or outs and peas to cut and feed green later on. About five peeks of peeks of oats to the acre should supply feed late in August.

to the action of the action of the action of the millets, sown at the rate of one bushel an acre about the first of July, bushel an imp now, would perhaps be

or any time now, would perhaps be the most certain to give satisfactory results at this late date of seeding. It should be ready to harvest as a green crop late in August or early in Sep-tember.

Cement for Stable Floor

Cement for Stable Floor Would your kindle tell more many topor in a stable of the stable of the topor in a stable of the stable of the the same-P. A. W. Ontarto Co., Ont. A concrete floor 60x80 for stable observed the stable of the starts of stable of the stable of th

What is to be Done to Avoid Dodder?

Dodder ? Though every precation may have been taken to obtain dodder-free seel, a few seeds may have escaped notice a few seeds may have escaped notice a few seeds may have escaped notice and may therefore be present. Thus the clover or alfalfa field will be "spot-ted" with dodder. Root up everything on the "spots" and burn without mov-ing, or remove and burn if there is no danger of scattering seed. Get far wough out from the borders of the "set of make sure that all the dod-der field is continue to grow. Should a fit have become general-by infested, it have become general-by infested, it have become general-by infested, the subcoder seed is a cultivated, non-beceding crop be a cultivated, non-beceding the seedlings by cultivation. Should the seedlings by cultivation. Should the plowed under, burn the crop over, planst loft, with a cultivat-ed erop. Instead of either plowing or burn-

then plow and follow with a cultivat-ed orop. Instead of either plowing or burn-ing shallow cultivation, followed by a cultivated crop kept thoroughly clean, may be resorted to. Here the plan is to cause the seed to germi-nate and to destroy the seedlings. Any use desired may be made of the stand

Elm Grove Poultry Farm

Offers for sale 20 one year old Barred Rock hens at \$1.00 each: also 15 Roce Comb Brown Leghorns, \$1.00; and a number of one year old Rouen ducks, cheap.

J. N. RUTHERFORD, Box 62, Caledon E., Ont. Telephone Bolton

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

EGGS GIVEN AWAY in return for new subscriptions. A set-ting of eggs any standard variety of fowl, given away for two newbeeriptions to Parm and Dairy. Send to Or-culation Mager, Farm and Dairy. Peterhoro.

FARM MANAGEMENT FARM MANAGEMENT Late Soling Crops The power of the have a solution of the s

A Slave to Poor Cows

W. J. Fraser, University of Illinois. IV. J. Fraser, University of itensols. Americans do not take kindly to the idea of chains and slavery, but many a dairyman has unconsciously drifted into the condition of the man chained, not to a follow-prisoner or to a post, but to a common, altogether too common brute—a worthless, wil-ful com

ful cov, He doen't know where he is going; he simply follows the cow. That's how he happened to tie up to this crea-ure; he didn't know what was doing out, nor what the cow was doing ing, nor what the cow was doing to be a set of the set of the set of the rather what she wasn't doing. It fact there's been altogenet too lit-tle looking and doing in this man's business. The dairyman has blindly followed without figuring; he has worked hard with his hands but little business. The dairyman has blindly followed the dairyman has blindly followed hard with figuring; he has worked hard with figuring; he has worked hard with figuring. And as for the cov, the reluctantly, And as for the cov, the reluctantly, and is for the cov, the figuring she has done right well-is the difficu-man; she is 'doing' in heatifully. But do not mistake this cow for a rare specimen of an almost extinct family. On the contrary, she is very common and popular on all our prairies. When it comes to remorse-less stealing of the bread from the months of the dairyman's family, her treas may well be classed with thy treas may well be classed with thy treas may well be classed with thy

great business sharks that prey upon the people. The dairyman who says that dairy-ing dosan's pay is ten to one board-ing several cows of this kind in his several cows of this kind in his herd. He is not exactly easy in his mind. That chain is heavy and tight, but he has carried it so long that he mind. That chain is heavy and bight, but he has carried it so long that he thinks that burdens belong with dairy-ing, or he lays the blame to ill luck or a poor price for milk; or perchance, he says he cannot afford to Luy good cows, forgotting that he could less rf. ford to kean poor or worthless ones. ford to keep poor or worthless ones.



FATAL DIARPHORA IN COLT-Mare fracted May Sh. 1 applied a 10 per cent. The start of the start of the start of the start colt was on the feel acid to marel. The colt was on the feel acid to mare and exse the colt he milk out of a castor oil bot-le. I gave it about one half pint of milk. Neumoning the colt seemed all right, we moving the colt seemed all right, faces were yellow and continue that and ded before noon this took distributes, and died before noon time after death.-W. McC. Que.

One Diarrheea in foals when not prompt-Jorrheea in foals when not prompt-ly checked soon causes death. In some cases there is too great a percentage of fat in the marc's milk, but in many cases there is no appreciable cause for the diarrohea. The most successful treatment is the administration to the diarrohea. The most successful treatment is the administration to the very four two teaspoonsful of laud-anum in a little of the marc's milk every four hours until the diarrheea ceases. While this is not always effec-tive it is quite probable it would have saved your colt's life.

PATALITY IN CALF-STIFF HEIFER -I bought a yearling heifer and a heifer calf. When three months old the latter became duil one day her urine was very bloody and she was dend the next mora-timage we kinned her and found some lumgs we kinned her and found some lumg from the flesh but year her her her very hard. Was this tuberculosist

(2) The other heifer seems stiff in her fore legs. Is this symptomatic of tubercu-losis?-J. S., Peterboro Co., Ont.

(1) The symptoms you describe do (1) The symptoms you describe do not indicate tuberculosis. The little tumors described do not simulate the tubercules of the disease. I am of the opinion she died from digestive and urinary trouble.

(2) Neither do the symptoms you de (2) Neither do the symptoms you de-soribe in the heifer denote vulnered losis. I cannot say without symptoms what causes the stiffness. It may be foul in the feet or rheumatic trouble. It is probable she will get better after being on grass for a time.

Renew your subscription now.





Avoid Costly and Vexatious Delays During Harvest by Using Massey-Harris Binders

WHEN your grain is right for cutting, every minute counts. A delay of a day is often the cause of serious loss. It's not necessary to argue this point,-everyone knows it is true. Now, this being the case, it is to your interest to do everything possible to ensure harvesting being done quickly and thoroughly. A reliable Binder one that will go through harvest without a hitch, cutting smooth and clean and binding every sheaf in just the way you want it done-is the solution of the problem, and there is none to equal the

MASSEY-HARRIS BINDER

Its first cost is a little more than some others-but when you figure up what you save by having a Binder which you can depend on every time, and all the time, the saving in repair bills, the fact that it will handle your crop under the most difficult conditions and will outlast any Binder on the market, we think you will agree that it is well worth the price.

TORONTO, MONTREAL, MONCTON, WINNIPEG, REGINA, SASKATOON, CALGARY.

CO., Ltd.

MASSEY - HARRIS

1910. ere, and ed they

rainage

remova

ng, the d capil-a warm-be from

in the and is,

table is

spring, develop hey are

means

oisture

cases is e. The romises

as tile

for tile drains apart. heavy heavy ises be-uld be ny sag of the

da

ingeles in Jose

hicag v York lorfolk Seattle

oronto

S

ed feet d bed

18

line

ters

gues

¥ &

TED ADA

N.

1

IE

ban

OT

arn

ES

ily

ED

klet l of

:0.

9 co.

nmer.

FARM AND DAIRY how to prune, how to spray and lack AND RURAL HOME

Published by The Rural Publishing Company, Limited.

00000

1. FARM AND DAIRY is published every hursday. It is the official organ of the iritish Columbia, Manitoba, Eastern and festern Ontario, and Bedford District, uebeo, Dairymen's Associations, and of the Canadian Holstein Avrebuse and of Quebec, D the Canad sey Cattle Queb lairymen's Associations, and Jer lian Holstein, Ayrahire, and Jer Breeders' Associations.

2. SUBSCRIPTION PRICE, SLOB & Year, strictly in advance. Great Britain, \$120 a year, For all countries, except Canada and Great Britain, add Soc for postage. A year's subscription free for a club of two new subscribers.

3. REMITTANCES should be made by Dest Officers and the state of the state post Officers and the state of the state change for required at the state officer at change for required at the state of the state of and new addresses must be given by the state of a state of the state of the state of and new addresses must be given by the state of the state precedung the following week's issue.

WE INVITE FARMERS to write us any agricultural topic. We are alw pleased to receive practical articles.

CIRCULATION STATEMENT

The paid subscriptions to Farm an airy exceed 8,300. The actual circulation Daity secced 3,386. Thus to Partm and of each issue, including copies of the paper sent subscribers who are but slight-from 1.586 and the copies, varies ubscription rates. Thus our mining lists ubscription rates. Thus our mining list ubscription paper, showing its distribu-tions are accepted at less than the sub-copies of the subscription of the sub-tion of the paper, showing its distribu-tion of the paper, showing its distribu-tion request.

OUR PROTECTIVE POLICY

OUR PROTECTIVE POLICY We want the readers of Farm and Dairy for fact that they can deal with our adver-ered reliability. We want the second second restrict the second second second second restrict the publication of the second restrict the second second second second second second second restrict the second second second restrict the second second second restrict the second second second second restrict the second second second restrict the second second second restrict the second second second second restrict the second second second second restrict the second second second second second second second restrict the second second second second restrict the second s

FARM AND DAIRY PETERBORO. ONT.

VALUABLE EDUCATIONAL WORK

Educational work such as is Leing done in connection with the demonstration orchards in the Georgian Bay district is of the right kind. It gets close to the people and accomplishes results in a way not possible with years of teaching or lecturing from the press or platform. Seeing is believing. Orchardists in the township of Nottawasaga, Simcoe Co., Ont., have only themselves to blame if they do not take advantage to the fullest extent of the opportunity, which is now theirs, of learning how to prune, spray and cultivate their orchards after the most approved practice.

The results of the work now well under way in the district around Collingwood have a far-reaching interest. The problems confronting the farmers with orchards in that district are much the same, differing only in degree, with farmers in every other apple growing county of Ontario or of other provinces. It has been the gen-

of appreciation of the necessity of pruning, and spraying and of cultivating, only can account for the state in which so many orchards are to-day.

The apple growing business, it is true, has experienced many discouragements. The exceedingly low price that has been so general in years past for apples as they have been ordinarily marketed, the ravages of the codling worm, the attacks of scale insects, tent caterpillars, canker worms and the loss through fungus growths, individually and collectively have done their part towards discouraging many farmers of ever making much profit from their orchards. Results that have been obtained from farm orchards such as exist in Norfolk Co. Ont., and elsewhere, however, have demonstrated that money can be made from orchards, if they be of good commercial sorts, are properly cared for and the crop marketed to the best advantage. Two small orchards in Norfolk County returned the following profits last Ont. writing elsewhere in this issue, year : Thirty-five trees owned by Mr. E. Armstrong, Forestville, returned. not including culls, a net profit of \$366.94, the trees averaging slightly over five barrels a tree. One and one half acres of orchard owned by Mr. F. Shearer, Vittoria, in 1907 yielded 65 barrels, in 1908 100 barrels and in

1909 210 barrels of apples-a wonderful increase, the direct result from the extra care given. The net profit the interest and principal of which from this orchard was \$539.24 in 1909. Owners of neglected orchards wherever they be should take notice of the profits being made from apple trees elsewhere. Orchards that have received little if any care and which seemingly are in a hopeless condition, provided the trees are of good commercial sorts and sound, can be made profitable. The wonders that renovation of the right kind can work in an apple orchard are little short of marvellous and such work is sure to bring large returns.

SILOS ARE PROFIT MAKERS

A chance to add 15 per cent, to the value of a crop at one operation seems too good to be true. This is an opportunity, however, which silos offer to dairy farmers. So important a factor has the silo become in the feeding of stock in Australia, the Government has lately decided to give aid to all farmers erecting silos. While such a policy would scarcely be advisable for Canada, the advantages of the silo are so decided and the returns so great, that no dairy farmer can afford to be without one.

Experiment stations by careful experimenting have shown that there is at a conservative estimate 10 to 15 per would place the value of the ensilage agent in Paris green. much higher.

The strongest argument for silos is

is the easiest money these men are tural College and valuing Paris green making; often it has made the difference between profit and loss in their feeding operations.

FARM AND DAIRY

Many silos will be built between now and the first of September. More will be built in the next few years. We ought all to get after that 15 per cent. of increased value, not next year or the year after, but this year.

LIVE STOCK AS AN INVESTMENT

It would seem that many of us lack an adequate appreciation of the possibilities of live stock as an investment. Money in the bank at three per cent. is safe, but it brings only a meagre return. Invested in good stock, which stock afterwards is to be well cared for, it will bring returns much in excess of what it would invested in land, stocks or banks.

There are many examples amongst successful stock breeders of this country of the wisdom of investing in good stock. Mr. Holtby, of Ontario Co. asserts that a farmer might better be content with good stock kept in first class condition than buy land with not much money to pay down on it and be forever putting his money into the land to save interest. His article is worth careful thought.

It is doubtful if there is any more disheartening thing to face than a While striving must be met. to keep down what seems to be apparently unnecessary expenses in order to meet the necessary obligations, the soil is robbed to the extent of its utmost immediate return, poor stock is kept and that in limited numbers, the farm equipment all round is stinted, long hours are worked, agricultural reading and the agricultural press must go without their proper place on that farm, and the result is that year by year, little progress that farming does not pay.

Too many have the cart before the horse in these matters. Better stock and better farm equipment should receive first attention; afterwards, the purchase of more land readily can be made with accumulated profits. Where the main emphasis is laid on good stock and up-to-date farm equipment there farm life is as it should be and prosperity reigns.

PARIS GREEN SUBSTITUTES

In spite of the numerous warnings of agricultural papers and experiment station reports, the sale of useless substitutes for Paris green continues to be large. Very few of these commercial preparations are economical; some cent. of added value in ensilage over are absolutely worthless. In practicalcorn fodder. Many feeders who have ly all, the poisonous agent is white fed both ensilage and corn fodder arsenic. This is also the poisoning re-

In Paris green however, there is over 56 per cent. white arsenic, while forded by the men who use them. in some commercial mixtures there is The best feeders all over the country less than one per cent. Bulk is gotadvocate the use of ensilage. The best ten by the addition of sulphur, roadand most prosperous looking farm- dust and numerous other materials of

at 20 cents a pound, we find that an equal amount of white arsenic in 'Black Death'' costs \$3.86; in "Potato Bug Finish," \$1.56; in "Kno Bug," \$2.41, and so on down the list. The cheapest and Lest insecticides are the standard chemical compounds, such as Paris green and lead arsenate.

RUINING GOOD MEN

The temperance, social and moral reform committee recommended at the annual synod of the Diocese at Ottawa that the proper authorities should be requested to adopt more stringent regulations in regard to the restaurant and bar of the Dominion House of Commons, so as to prevent the consumption of intoxicating liquors therein. Hon. Wilfrid Laurier will do well to pay heed to this request.

This bar has helped to ruin a number of men of great promise in public life. There are some members of Parliament who, when away from the restraints of home and with much idle time on their hands, get into the halit of patronizing this bar to excess. When constituents visit them in the Capital, they often think it necessary to be hospitable, in the customary manner. It is a disgrace to our country for this bar to be continued in the Parliament Buildings in conjunction with the House of Commons. The heavy mortgage on a block of land, two do not harmonize. The bar should be abolished.

Get Knowledge

(Hoard's Dairyman)

Uncle Henry Wallace says in his Farmer :

"The farmer who thinks he knows it all, who believes that farming is a combination of luck, brute strength and awkwardness, can never make any progress, or at least can only make that slow progress which comes from his own hard-earned experience. The is the result. Then the cry is heard farmer who realizes that this is a big world and that agriculture is a great big science and a most comprehensive and far-reaching art, cannot be kept down."

The first farmer does all he can to keep himself down. Ignorance is weakness; knowledge is power. It is a fearful thing when a farmer does what he can to make himself weak among his fellow men. Yet we know hundreds of farmers who do that very thing. They spend no money, make no effort, to grow in knowledge. They have fat hogs and starved minds.

This is all useless. There is not a farmer in the land who can read but who can educate himself in a short time to understand the best agricultural literature. There are thousands of such farmers to-day who had only three months' winter schooling a year in a country school for a few years, but they kept their minds bright by constant reading of the test farm papers and books. To-day they are strong, successful farmers and leaders of men.

No man gets to this point, however, eral rule for apple trees to be neg-steads have, almost invariably, one or lected. Indifference on the part of their owners, lack of knowledge as to l crease on the value of their corn crop eral mixtures at the Ontario Agricul. who thinks he knows more than other

has

expe reco R

ion

an

in

ne

st

les

da.

te

'al

he

be

nt

of

n-

p. 11

that one man can know it all by himself

We have too many farmers who have no hunger or thirst for knowledge. They want money bad enough to work like slaves for it in a blind way, but not enough to think, read and study for it. It is just that lack of a desire for better farming knowledge that holds them down, and it always will hold them down. The farmer is no exception to other men. No man ever increased in fortune and the estimation of his fellow-men by reason of his lack of knowledge

HORTICULTURE

FARM AND DAIRY

Profit in Co-operation

The Co-operative Fruit Growers of Ontario, who held their annual meet-ing in Toronto on June 14, handled for their members last year \$4,000 worth of goods such as spraying out-fer annuals functione and feetilfits, arsenicals, fungicides and fertilfits, arsenicals, fungicides and fertil-izers. The various associations were able to obtain goods of the best qual-ity for the lowest possible price. It is probable that a very large supply trade will be worked up with the local It was decided to again

pamphlet giving the names of the va rious co-operative associations and dis-tribute it in possible markets as in former years

Tormer years. It was also decided to seek incor-poration under provincial laws and plans were made whereby capital would be subscribed. The central as-sociation would sell for all local asociations, an efficient manager being



laterested Farmers Learning How to Spray and How to Prune

In each of the six demonstration orchards in the Georgian Hay District, Ont. practical demonstrations were given for the benefit of these who wished to learn. The illustration shows those who attended the meeting in the orchard owned by Mr. W. Hamilton, Collingwood, Ont. Photo by I. F. Metcalke.

road station there need be no trouble operative movement and believed that about the market. We are five miles from the station and 80 miles from our market, but we find a balf are of strawberries a very profitable in-

We ship all our berries to the same merchant and we find this the most

We ship all our berries to the same merchant and we find this the most satisfactory way as our customers come to know the quality of our fruit. We pick the lerries in the morning and ship in the afternoon. They are in the dealers' hands by night. We sell two grades of fruit. The best of far large size, regular in shape and near the size, regular in shape and near the size, regular in the dealers' hands by night. The sell two grades of fruit. The best of far large size, regular in shape and near the size, regular in the dealers' hands by night. The sell two grades of fruit. The best of far large size, regular in the two far large size, regular in the two far large size, regular in the two sells of the size of the the size of the size of the size of the period size of the size of the size of the printed the name of our farm with the two size of the dealer and are willing to or our trade mark and are willing to or our trade mark and are willing to or our trade mark and are withing to be good. Fait they know is perfain to he spood. Fait they know is trouble in disposing of ours at good prices. We believe that any farmer who will the size of the

We believe that any farmer who will take proves that any farmer who will take proves care in picking and grad-ing his berries can do as well as we have done, but he must prove that he has the high class article before he can expect particular attention and special recognition for his fruit. take

Renew your subscription now.

Summer Spray Material

A large amount of fruit each year is seriously disfigured by Bordeaux rust. It is not advisable to use Bor-deaux when the fruit is well advanced towards maturity on advisable count of this injury. A fungicida eccount of this injury. A fungicida eccount of this fagure the fruit in any way and is an effective fungicida.

This spray material is made by dis-This spray material is made by dis-solving five ounces of cooper carlonate in three pints of annuonia (sp. gr. 96 Beaume) and diluting it in 45 gallons of water. Where a fancy grade of fruit is alimed at Bordeaux should not be used after the fruit has reached a fair size.

During the last three months there have been many inquiries regarding mixed grains for inquiries regarding Many farmers are trying mixed bar-ley and oats, with varying mixed bar-tures, we started a series of experi-tures, the demonstrate the value eith tures, the Mandscheuri barley and Daubeney oats gave the greatest yield in bashes and weighed the heaviest and faith grain mixtures will receive During the last three months there short time grain mixtures will receive the attention which it deserves.



Cheese Makers

Attention

Are your patrons bringing you the best milk that they can? Does it satisfy you? Could it be improved? Educate your Patrons to give you the best milk obtainable. They can get this education through FARM AND DAIRY.

Every patron of your factory should be a subscriber to Farm and Dairy, the only dairy paper published in Canada. We are starting a summer campaign among the cheese makers and patrons, and desire every patron and maker in Ontario to become subscribers to Farm and Dairy.

Fine premiums, either cash or otherwise, for clubs of NEW subscribers. Sample copies sent to your patrons upon request. There is something in our Special Summer offer for every cheese maker in Ontario. Better write for particulars to:

CIRCULATION MANAGER,

FARM AND DAIRY PETERBORO, ONT.



YOU THAT WE CAN SAVE YOU MONEY LET US CONVINCE

ly we are positive when we assure you that our prices mean economy for you ments a thorough trial. If you are needing a Mower, Rake or Tedder, send us your order and when the machine arrives give it a most careful testing. If it is our wower that you are trying, don't forget to test it in the thicket and heaviest grass you can find-try it on level ground, then a money on any and every piece of farm machinery that you buy from us. Our buyers are thoroughly familiar with prices, qualities and values, consequentthickest and heaviest grass you can ind-try it on level ground, then on a rough piece-where the hay is ong, and where it is short, and if it to us your atisfac We know that we can save case, send it back we will refund work to your entire once and every does not tion in ev



the

has been

ratio becomes. This has been experience of the ***T.EATON CO.**

Under proper management the larger

a business grows the smaller its expen

PRICES POSSIBLE

OUR LOW

MAKES OUR

SYSTEM

result being that we are able to save you money on every purchase you make from us. If we did a credit business instead of spot cash we would eertainly make some bad sales and our prices would have to be increased to make provision for these losses. Since we sell for cash we are in a position to buy for cash, consequently we take advantage of all discounts, and the enormous quantities we purchase for us still further price conce Furthermore, we buy direct fro of all the parts of a Mower is the (A tor Rac. No expense has been sparced in making that on our source feed, and routed in much a super that it is impossible for it to get our of happer, and is a with an impost grand routed revelar starks at the shark. The sumodal top of the bac embies the light e driver in handling the bar. When und and choking the machine. Se use of the link on the end of lever. h steel jaws a Der Bind, "Christigal sien eine Binderstein führ angen des All Worter H (het "E for Bind." On argenten eine All Binder and Binderstein Binder and Binderstein B

commission men, travelling salesmen, etc. When you buy from **EATON'S** you profit by all these savines Furthermore, we buy direct from the maker, and consequently eliminate the profits and expenses of all agents. result is that when machin, "over the event is true without bacching," 43:00 is pawls on main wheels, the re-il stop and start in the heaviest inside shoe on Cutter E Shaft is made of the ve I broad on face, giving ken in connection with Draft Connection is attached abo The Main Shaft and Gearing. The Main Wheels are of good heig The Gearing has only four wheels.

l agents, salesmen,



IS YOUR ABSOLUTE PROTECTION

0 I EEL

ALL

Think of the protection afforded you when you make a purchase from exations. You may order any article we sell, and after you receive it you have 10 days to thoroughly examine and test it. In fact, we ask you to do so most carefully, and provence, we ask you not to keep the article unless you are perfectly estisfied with it in every way, and consider it the best value you ever but so do and . If you are not favorably consider it the best value you ever but so do and . If you are not favorably consider it fund your money in full mone 22.75 we will refund your money in full mone 22.75 we will refund your money in full mone 22.75 we will refund your money in full mone 22.75 we will refund your money in full mone 24.75 we will refund your money in full mone 24.75 we will refund your money in full mone 24.75 we will refund your set wares.

* morning can usually be dried and put under loss from bad weather. It has been thereaughly not paired even.

Pruring the May Todder, hay that has been cut in a the same day. Huss arouting much labor and a posit or of la highly recommended by three who have pri-Society. Suppling works we way the same pri-section.

37.00

BRAND

DIAMOND



about our Binder Twine is absolutely high j to the finished product. It is made from t'd d long fibre sizal, and we not only recommend in equal of any binder twine mude. It is put up hale, is covered with canvag and lashed with us your order and there will be no delay, is

GUARANTEED AS GOOD AS THE BEST









TORONTO THE COMPLETE LINE OF FARM MACHINERY LISTS OUR



ZO Ш

LIMITED ANADA U

WITH A TRIAL ORDER TO-DAY

are no. It will feet to otting. I full 550 f is proof a by the twine continually bread there is a subscription of the second second second second real second secon tin



DELIVERED TO YOUR NEAREST RAILROAD STATION IN QUEBEC OR MARITIME PROVINCES

LBS. 850 FOR



Quebec Cheese at Auction

Quebec Cheese at Auction A new departure in the cheese trade was the first sale of Quebec cheese held by public auction week ago under the Governmeint and week ago of Trade, and these sales will take place from now on every Thursday of each week at 4.30 p. m. at the above exchange. The sale was conducted by Mr. A. Trudel, manager and salesman for the Co-operative Agriculture So-ciety of cheese makers in the prov-inge of Quebec. ince of Quebec. The terms on which these sales will

THE IDEAL **GREEN FEED SILO** Save your flav Decrease Grain Bills **Produce More Milk** IDEAL Make More Money With one of our Silos you can do it. Thous-ands in use. Built in SILO

ands in use. Built in all sizes, and shipped complete. Send for Free Catalog.

CANADIAN DAIRY SUPPLY CO. MONTREAL

NORTHERN **ONTARIO**

160 acres of land for the settions in Northern Ontario. Situated south of the G. T. P. Transcrimental Railway, South of Winnipeg, and 800 miles nearer the sealoard. A rich and productive soil, overed with valuable timber, it is rapidly in-creasing in value.

For full information as to terms of sale, homestead regulations, and for special colonization rates to set-tlers, write to

D. SUTHERLAND The Director of Colonization PARLIAMENT BUILDINGS, TORONTO OR TO

HON. J. S. DUFF Minister of Agriculture

FARM AND DAIRY

Le held are as follows : All cheese will e graded in three classes. First grade—Will be all chee se scor.

Third grade—will be all cheese scor-ing 95 points or over out of 100. Third grade—Will be all cheese oring less than 92 points. Second grade—Will be all cheese

second grade—Will be all cheese scoring 92 points or over but under 95. Culls—In all cases where bad culls appear in a lot, they may be separat-ed therefrom and dealt with separately

All cheese that are sour, bad stink-ers or spongy, or having other de-fects as bad or worse than these will

fects as bad or worse than these will be classified as culls. 1. The buyer will pay a storage of two cents a box, the cost of weighing, and freight and cartage from factory

and freight and cartage from factory shipping point, provided this freight and cartaged, the second bloc a cwt, in which cas not exceed 15c a cwt, in which cas not exceed 15c at a cwt will be paid by to exceed 15c at the second 15c at a second 15c at the second 15c at a second 15c at other and 15c at a second 15c at the second 15c at a second 15c at the second 15c at a second 15c at the cheese in each grade separately, and the buyer must take all the cheese of-fered in a grade.

the buyer must fake all the cheese of-fered in a gradiake all the cheese of-density of the second of the end of the second of the second of the given. The society rearrow the right to ask for a deposit of 10 per right to ask for a deposit of 10 per cent. margin at time of sale. Invoices will be furnished by the society hased on factorymen's weights and official weighters' certificate of test, but if errors are found in the factory statements, adjustment will be made to the correct basis alterwards. factory statements, adjustment will be made to the correct basis afterwards. The grading will be done by an offi-cial appointed by the department and his decisions will be final, and no right of rejection or reduction of price will be granted to the buyer. The structure for first spic was

The attendance at the first sale was large, all the leading exporting firms being represented and in consequence the Lidding was brisk and the prices realized were considered very satisfac-tory by the manager of the society. tory by the manager of the society. The offering amounted to 1,312 horses from factings amounted to 1,312 horses from factings extending from Ottawa to Lake Sty Johns. Messrs. Lovell and Christmas bought 625 boxes of white H your benter does not Handle these horse at 101-16c. Mr. George Hodge seems do not lot of 57 boxes of colored at 10 11-16c. and Messrs. Guron, Lorden 10 11-16c. and Messrs. Guron Lorden 10 11-16c. and Messrs. Christmas bought 625 boxes of colored at 10 9-16c. The price paid for these cheese were equal to the highest paid at any mar-ket in Ontario on the same day, and Higher than Brockville and the most of higher than Brockville and the brockville and the most of higher than Brockville and the brockville

What Separator to Buy

Please find out from Mr. Fred Dean, Creamery Instructor, what make of sep-arator is used at the Ontario Agricultural College creamery. Please answer through the columns of Farm and Dairy, as quite a few of my neighbors want to know the same thing.-G. P., Norfolk Co., Ont,

The Dairy has now 15 different makes of hand separators all giving more or less good satisfaction. I would advise your correspondent to get would advise your correspondent to get a machine, on trial, that will skim a 30 per cent. cream leaving not more than .05 per cent. in the skim milk, is easy to operate and wash and so constructed that it is likely to be dury, able.—Fred Dean, Creamery Instruct. or, Guelph, Ont.

Farm and Dairy is the most prac-tical paper on its lines that I have seen. Will you, therefore book me as a subscriber to it?-W. J. L. Hamil-ton, Nanaimo Co., B. C.

June 23, 1910.

Ju

.... C

Mi to th to th matt sugg lette

Get

W. AB

or, a bottles are th

paying time t just af

receivi In s differen

ary g large a have fa

milk fr

may no tion.

that av

makes a for ever of the t

od mi When

the gre patrons test. H

the syste two yea dividing

Last Last we used could ve

in the of The pathest in average cents.

age of \$ of manu

teenth ce

Three

Editor

I belie only prop ceeds at according D. McPhi

Canad Arthur I. Canadia

front ran though it

STEELE.

FOR SALE

TWO CENTS

WANTED-0

hree of ons pai to the p They do dividing push the



breas. It is also fitted with a seamless cover which fits tight and flush with the top of the breast, preventing the milk from splashing around in transit. Supplied with massive wrought iron upright handles or mallcable drop handles as desired.

CANADA MILK CANS are made by:

The Thos. Davidson Mfg. Company, Limited Montreal & Winnipeg And are Superior to any Foreign Milk Cans

If your lealer does not Handle these Cans, write us direct. A Post Card will bring you full information.

THE NATIONAL **BUTTER WORKER**

THE Butter Worker made for Practical Butter Makers-that's the National! The National Butter Worker, built entirely of hard wood, is unquestionably the most practical butter worker sold in Canada to-day, and is in use in the leading dairies of the Dominion. Every dairyman and farmer who makes butter owes it to himself to know more about the superiority of this practical device-it's a matter of dollars and cents on the profit side of his books, to own a National.

Write to us for full particulars; we will gladly give Information and send our Booklet Free on request

THE NATIONAL MFG. CO., Ltd. - Head Office, FACTORIES:--Ottawa and Breckville BRANCHES:--Regins, Sask., Edmantes, Alta., Me Head Office, OTTAWA acton, N.B.

week. There were about 30 factories boarded, the bulk of them ranking as first class, the quality of these being strictly finest in every respect, and equal to the best of the Ontarios. equal to the lest of the Ontarios. The new movement is calculated to work the cheese makers of the prov-ince of Quebec up to a higher stand-ard of excellence, and that they are capable of attaining it to a very high degree is manifested by the quality of the offerings at the sale.—W. R. L.

winter mo CALV

> son to se Dairy, Pe mission f Write Cir Dairy, Pet for your in application WANTED-G Avonbank the balance Humphrey UP-TO-DATE

all supplies enough for if sold befo Output ex Box T, Far

e 21. 1010.

nless

ly

ire

ed. It is and sour

a is fur-

with the ransit. ole drop

nited

A

30 factories

ranking as these being

spect, and tarios.

lculated to the prov-sher stand-t they are very high he quality -W. R. L.

Buy

Fred Dean, ake of sep-gricultural

er through

y, as quite b know the b, Ont,

different all giving

ost prac-t I have ok me as . Hamil-

ction. ent to get ill skim a not more kim milk, h and so to be dur-Instruct-

Gets Milk of Better Quality W. J. Quinn, Stormont Go., Ont. A Babcock tester, a capable operat-or, a set of good air-tight composite bottles and lots of care in sampling are the points to be observed when paying for milk by test. The best time to take a sample of the milk in just after it has been poured into the receiving weigh can. The some seasons, there is a great are the point to be to different pa-try greatly year, the test does not are approximately and the start of the milk from 20 patron; last, test of the milk for over large milk, the value of the test to the patron who produces. good milk is readily see. When the test was first established, the greatest trouble was that all the patrons expected to have the highest the diverse in the start or adopts the test of the patron factory adopts the test of the patron factory adopts the greatest trouble was that all the patrons expected to have the highest the diverse in the delivered. The patrons seem to take more inter-est in producing better milk. The average price for the year was 10.14 cents. The patrons received an aver-age of \$1.01 a ext. of milk. the cost of manufacture was one and one-six-teenth cents a pound.

teenth cents a pound.

Three out of Ten Factories

Editor Farm and Dairy.—At only hree of my 10 factories are the pat-ions paid for their milk according to the per cent. of fat it contains. They do not desire this method of dividing the proceeds and I do not much the matter

dividing the proceeds and 1 up nor push the matter. I believe, however, that it is the only proper way of dividing the pro-ceeds at a cheese factory to do it according to the fat it contains.—J. D. McPhail, Russell Co., Ont.

Canadian Cheese in Britain Canadian Cheese in Dritan Arthur I. Rowson, London, England. Canadian cheese still stands in the front rank of all imported cheese, though it has a keen rival during the winter months in New Zealand, which every year show distinct improvements

CALVES RAISE THEM WITHOUT MILK Booklet Free STEELE, BRIGGS SEED CO., LTD. TORONTO, ONT.

FOR SALE AND WANT ADVERTISING TWO CENTS & WORD CASH WITH ORDER

VANTED-Charles A WORM CASH WITH ORDER WANTED-Charles makers the coming sea-son to sell subscriptions to Farm and Dairy, Peterbore, Ont. Good each com-mission for each subscription takes. Write Giroulation Maninger, Farm and Dairy, Neterbore, Ont., for sample copies for your patrons. Samples sent free on application.

WANTED-Good experienced man for the Avonbank cheese and butter factory, for the balance of the year. Apply T. J. Humphrey, maker, Avonbank, Ont.

UP.TO-DATE Brick Cheese Factory, and all supplies, except boxes, supposed to be enough for the season, six milk routes; if sold before August ist, \$1250; bargain Output expected to exceed fifty tons. Box T, Farm and Dairy.

Stricted. Probably, on the whole, it would be wise if factorymen made a rule not to allow a cheese under 14 days old to be moved from the shelves.

Dairy Industry in Manitoba

Prof. J. W. Mitchell, M. A. C. (Continued from last week)

(Continued from last week) It is our intention to give the creameries, during 190, a similar service to that given the cheese fac-tories. While it would be impossible for us to attempt to visit the patrons and to could meetings at local points and to could meetings at local points and to could meetings at local points and to could meeting at what a very considerable number of been hold this year with very promising results. The discrimination that the express companies now make in rates between sweet and sour cream is a matter that should engage the serious considera-tion of this association and the dairy-meth of the province in general, as year of the province in general, as used to use results of the cream sup-plied to use results are to ensure

The second secon

COW TESTING.

COW TESTING. COW TESTING. Let us say a few words regarding the last mentioned. The plan usually adopt, is to make a monthly test their milking period. The outfit mention quired is a spring balance to weigh the quired is a spring balance to weigh the milk, as many sample bottles as there are cows to be tested, a small dipper for sampling the milk and a report form on which to keep records. A bottle, containing a small amount of preservative, is set apart and labelled with the name and number of each cow. During three days of the month, say the 10th, 20th and 30th, the milk of each cow is weighed, both morning and evening, and the weight recorded

The end of the same contribution of the same in the same in the same is a same is a same in the same in the same is a same in the same in the same is a same i

SYSTEMATIC IMPROVEMENT OF HERD.

SYSTEMATIC IMPROVEMENT OF HERD. This simple plan carried on from month to month during a cow's milk-ing period, enables us to determine very approximately the number of pounds of milk and of butter fat to credit her with for the year. The farmer is then in a position to begin the systematic building up of his dairy r herd by a judicious process of weed-ing and breeding. I would add that it is necessary, of course, to give a cow a chance to prove her value for dairy purposes by proper care and feeding. In both summer and winter. We expect to be in a position to the day the the composite samples to the the composite sample bot-tor. And the composite sample bot-tor of the the composite the auto-ber of our dairy fappers will take ad-vantage of this oppers will take ad-vantage of this oppers will take ad-vantage of this oppers in store for them.

The Pooling System.—For an in-definite time we have paid for the milk as received at our factory on the basis of the pooling system, or in other-words, according to the weight and there has been no move to change the said system by our members.—Walter Lane, Northumberland Co., Ont.

8

-8







13



IN Nature there is no blemish but the mind none can be called deformed but the unkind. Shakespeare.

Mammy By T. W. Hanshew.

By \mathbf{I}^{T} wasn't always a mean street. deed, in the days when the wealth and fashion of the city centred about Washington Square, and Brook-lyn was known only as a place of green and fragrant mystery, it was a really and tragrant mystery, it was a really reputable street—a narrow, sedate, well-groomed, self-respecting street, where trees grew and grass-plots flour-ished, and all the doors were brave with white paint and ponderous brass knockers

knockers. But the march of progress had changed all that years and years ago. Factories crowded it in and soot and grime threatened to blot it out; the modest clerk and his family fied and the day laborer and his took their place; the trees vanished and the grass-plots were trampled out of ex-istence; the doorsteps chipped and crumbled; the chimneys bent—as though too much smoking in early youth had undermined their constituyouth had undermined their constitu-tions; the brass knockers and the ornamental iron railings found their way to the junk-shop, and, like an old, old man sapped of vitality and robbed of self-respect, the street ran down at bed and ext at allow other the street ran down at heel and out at elbow and sank ap-athetically into the ranks of the hadbeens.

It was in the days of the street' gentility that Mammy first appeared there and awoke the ire of the scandalized neighborhood by taking a house near to the school, knocking its house near to the school, knocking its two basement windows into one and opening a little shop for the sale of home-made cakes and candies and marvelous little sailboats that were whittled and rigged by Daddy's own clever hands.

clever hands. The street didn't take kindly to them at first—indeed, when it con-descended to allude to them at all it was as "these Wakelins" or "that man and woman who keep the shop". but after a time public sentiment un derwent a change. The little place derwent a change. The little place was always so trim and tidy, Mam-my's smile was always so sweet and alluring—and yet so sad, as though there were a recollection of rain be-bind the sumplies of it has the hind the sunshine of it-her cakes and candies were always so pure and wholesome and she and daddy kept so much to themselves and raised such wonderful geraniums in their windowsuch boxes that people began to take no tice of them, then to let their children spend their pennies there, and, in the end, the whole neighborhood ceased to remember that there were

T. W. Hansacw. In- and pitchfork their private wees into vealth public print; but it leaked out, some-ntred how, that they had come from the prock. South; that there had been a way-green ward son, who had forged, or robbed really or done something desprate-just edate, what, was never certain—and then itreet, ran away never to be heard of again; flour-that Daddy and Mammy had sold the brave farm to pay back the money he had farm to pay back the money he had taken and, not to be divided, had come to town and opened the little shop to keep soul and body together. shop to keep som and body togener. But the street of to-day knew noth-ing of that story; for the old friends and their children were gone, the school had gone, even Daddy had gone school had gone, even Daddy had gone —into the peace and glory of a city where the streets never run down and the shadow of heartache never falls. And of the old quiet times of long ago nothing remained but the little shop, the blossoming window-boxes and smil-ing, patient old Mammy, "'And you'll be going soon, I sup-"''' And you'll be going soon, I sup-

pose?" said Miss Scammers, the dres pose: said miss Scammers, the dress-maker, who lived on the corner and was the only one of the neighbors with whom Mammy could bring her-self to enter into any terms of in-

soil to enter into any timacy. "Yes," replied Mammy, smiling back from the stove where she was making a fresh supply of butter-cootch. "Leastways I hope so, dear. I've got a'most enough laid by, and I'm jist alongin' for the sight of country lanes, and green medders, and trees and things. You see, I was coun-itrees and things. You see, I was coun-itree in things. To use it was city born, ally. "Tain't like as I was city born, and the home things will feal any. Faint nike as I was city born, same as you. Folks kinder has a hankerin' fer home things when they gits old, and—and—besides I'll feel like I was nearer John. It's eight year sence I took him out there and and I guess I won't feel so lonesome if I kin tend the flowers myself. And if I kin tend the flowers myself. And mebbe he'll sort of know it too, and feel as we was gittin' nearer together ag'in. Yes, I'll be goin' scon, I hope. But it's alow work—dreadful slow work. Trade ain't what it ust to be, and rents and rations has gone up something scandalous.

something scandalous. "Why don't you buy your candies and cakes from the dealers, then, the same as other shops do, instead of making them yourself...it's less ex-pensive and you make more profit, Mammy."

The second secon 'Lands sakes, child ! I jist couldn't.

wasn't in the least a dishonest per-son, but she lacked that finer, keener -she herself, would have said "ab-surd"-sense of honor which was so deeply rooted in Mammy. "I don't see why," she said. "Er-erybody else does it, and so long as it ain't against the law why is it wrong? What's the sense of baking yourself alive over a cookstove and payin' double the price for your matc-rials when them as buys it don't know no difference and would as leave have dealers' stuff as not?"

"Mebbe they would, mebbe they would; but I couldn't bring myself to would; but I couldn't bring myself to give it to 'em, dearie. They ain't like the children I used to have runnin' in and out in the old days, but, Liess their poor little hearts! *they* can't help that, and it would be kinder wicked of me to treat 'em any differ-ent. Dandelons is flowers just the same as roses, dearie, and they ain't to blame 'cause the Lord's made 'em to blomm in alleyways instid of gar-dens." dens.

"Mebbe they ain't," agreed Miss Scammers. "But I wouldn't care much about a bokay of dandelions."

about a bokay of dandelions." "I wouldn't, myseli, if I could give somethin better, but al." and Mam-my with a sigh. "It's dreadful to be without 'am--and witched 'an and you've one had 'am--and witched 'an and the 'am--aut seen 'am grow and subsel had 'am--aut witched 'an and then thow--i've been through it all, and I 'there are in the size of the second to be the had 'am the size of the second to be the thouse of the second to be the second to be the thouse of the second to be the second to be the thouse of the second to be the second to be the without 'am second to be the second to be the the second to be the second to be the second to be the "Hare second to be the without the second to be the second to b

"Have you?" said Miss Scammers "Mave you?" said Miss Scammers, wonderingly. "I never heard. I thought there was never nobody but jist you and old Daddy. I never knowed you'd had a child. What was it? Boy or girl?" "Boy," replied Mamme save safe?

"Boy," replied Mammy very softly. "I--I lost him years and years agotwenty last June." "You don't say! Why, he'd be

man now and growed up, wouldn't he? What did he die of?"

"He didn't die-leastways not as I've ever heard of," said Mammy soft-er than ever. "He went away to sea and never come back. I don't like to talk about it, dearie, and-why, there's my Ragged Sailor comin' in. talk

Excuse me a moment, won't you? It was a characteristic of Ma Mammy that she named all her little custom-ers after flowers and traced in them habits which rendered the appella-tions apt. For instance, the little red-headed girl from No. 45, who scratched the paint from the counter with her copper-toed shoes in trying to elevate her small person so she could see her purchase weighed, was always alluded purchase weighed, was always alluded to as the "climbing Rose"; pug-nosed, self-assertive, brazen little Tommy Wa-ters was "Sunflower;" his timid, weak-lunged, drooping little sister was "Fuchsia;" and his say little "pal"; Jimmy Lynch, who never could be trusted out of one's sight was "Snap-dragon." The boy who had just en-dragon." The boy who had just en-dragon." The boy who had just en-for the fact that at no period of his existence had he ever been seen with existence had he ever been seen w more than one suspender over his shoulder and less than three flapping tatters hanging from the seat of the

garment it supported. "Well, now, Ragged Sailor, it goin' to be to-day?" said M what's "Well, now, Ragged Sailor, what's it goin' to be today?" and Manmy gaily, as she slipped in from the room and got behind the counter. "If it's butter-soch, 'twon' to ready for ton minutes yet, and these two squares Prev got left is a leeth e stale, I'm thinkin', bein's I made 'em last wock " week.

"Cent's wuth of peanut taffy," said Ragged Sailor, spinning a copper on the counter, "and with plenty of pea-nuts in it-see? The last cent's wuth you gimme was a skin-there was only

"Is there?" said Mammy, a startled note in her voice and a look of sudden apprehension in her mild old eyes. "I don't see how they can do it and keep it pure, Sailor. I make all mine, you know, and I'm awful careful that nothin' unwholesome goes in it."

"Well, it tastes jist as good and there's more of it," returned Bagged Sailor with youthful philosophy, "so what's the difference? Folks goes where they gits the most for their dough-see?"

"Yes," responded Mammy faintly and with a forced smile. "I can't let my custom be took away from me, kin I, Sailor? Twice as much, did sin i, sailor: Twice as much, did you say? And more peanuts in it? There, dear''--passing him over a dou-ble portion--'that's a good cent's worth, ain't it, now? And it's jist chuck full of peanuts.''

chuck full of peanuts." "You're easy." said Ragged Sail-or, ficking the copper across the counter and going out. But the poix', of the remark was lost on Mammy. Indeed, it is doubtful if she would have understood it at any time; but just now her mind was troubled and she stood looking in a scared way at the hole this generous cent's worth had made in her freshly made supply of peanut taffy.

peanut taffy. "Did you hear what he said? It's awful, ain't it?" she said in a scared voice as Miss Scanmers came out of the back room and joined her. "If I lose my custom now I don't know what I shall do, dearie. You see, I'm to go into an Old Ladies' Home out there quantity-

quantity——" "You won't," interposed Miss Scam-mers. "Don't you mind him, Mam-my. It's all a pack of lies. There ain't no candy shop round in the next street. And I'm goin' to tell that lit-tle rascal I've told you so, too. He jist told that lie to get you to give him more." him more

"Times is changed and children is changed," said Mammy dolefully. "I'll be glad to git away, Miss Scammer I'll be dreadful glad to git away, guess I'm a leetle behind the time Miss Scammers-T

a leetle too old-fashioned for this sireet, nowadays. 'Tain't like it ust to be—'taint a bit like it ust to be, and—I'm jist a-pinin' for the trees to be—'taint a bit like it ust to be, and—'Tm jist a-pinni' for the trees and the fields and that quiet leetle spot where John's a-waitin' all alone. And quick as ever I kin away up them thirty-six dollars.—Well, deary me' there's that sport little Lily-of-the-Valley been standin' there and lookin' in the winder all this time, and lake in the winder all this time, and bless the child! I never seen her. She's that Swedish widder's little gal, you know-her as moved into No. 65 three months ago. Works in a laundry, I've heern tell, but sakes alive! she's got the shockin'est cough-it's dreadful to hear her when she goes by in the morn-

tightly clasped on the edge of the shop window and she was staring with rapt gase at the piece de resistance of Mammy's display. It was a limp-hodied, sawdust-stuffed doll with a was head, the blu-est of blue eyes, the yellowest of yel-low hair and such a marvel of pink sateen finery as only Mammy's own clever hands knew how to fashion from half a yard of material and two yards of imitation lace.

yards of imitation lace. (To be continued next week.)

14

ly E m bi bi eo in tie m dr re er wi ph

th

chil 0

none the keep grea we when it w stree from work from come parti waste off a of th impo If proce with will r on th ous, a ters i and i

air m contin If consta comin it tak to be winte there comes burnii the or it was ing of ter of in the someti had b not th our ow ever ca

We ugges been d

artled

keep hirty

t lit-He

y. I nes-this t ust o Le, trees leetle lone. them me

you I've s got ul to norn-I see ld in d e, in in fast-

dustblu-yel-pink own shion

udden s. ''] I keep e, you that

10.

1 and agged goes their

aintly n't let n me, n, did in it? a dou-cent's 's jist

Sail-poirt, mmy. would ; but d and ay at h had oly of

It's cared

ut of "If I what m to there hun-

ore I ve as louble Scam-Mam-There next

give en is "I'll

me f-the okin bless She's

ig-a great serith of pavewere shop with ice of

1 two

June 23, 1910.

FARM AND DAIRY

The School House, is it ideal? Mrs. Jennic Muldrete, Macdonald College, Que, (Continued from last week) VENTLATION OF SCHOOLS. In school, when you think of it, the hours are short, the years pass quick (Continued from last week) VENTIATION OF SCHOOLS. In school, when you think of it, this by, and there is much to compass, the school of the school of the school of the school of the provided area of the school of the school of the more than create a love of learning, more than create a love of learning, the school of the school of the school of the more than create a love of learning, the school of the school of the school of the more than create a love of learning, the school of the school of the school of the more than create a love of learning, the school of the school of the more than create a love of learning, the school of the school of the more than the school of the more than the school of the more the more the school of the more t Because of the danger from dust and all forms of uncleanliness the cleaning of a sch uncleanlines the ceive a great deal of auto should re-ceive a great deal of auto should re-different scheme scheme scheme scheme swept once a day and cleaned only once a year, and why should our chi-dren spend the vital impressionable period of their life, for kre-sevenths of the time, amid conditions that no careful housewife would tolerate? (To be concluded next week) The Mer Refrigerator Our illustration shows a roomy, up-

Ingit

Good Types of Country Schools

Styles of architecture that differ from the ordinary box and roof belfry. It may cost a little more to build such houses; they are worth more to the community. the educational possibilities of the children. We can be a solveries in pathology, the factor of the solveries in pathology is the solver of the solver of

the educational possibilities of the children. Of recent discoveries in pathology, none has opened up so great a field as the discovery of germ life, and though we have gone so far in the path of in-terial discovery of germ life does not space with our knowledge. A great enemy to woman is dust, and



Exterior of an up-to-date and roomy refrigerator. See method of circulation described in June 9th issue of Farm and

ar mut reserve a great deal of this array of the item of the issue of Parm and barry. The the vertilation is defective, if a first the own of result pure air is not in the state air that is the own of the state air that is the item of the issue of Parm and barry. The short of the item of the issue of Parm and barry of the item of the issue of Parm and barry of the item of the item of the issue of Parm and barry of the item of the item

Recipes for publication are requested. Inquiries regarding cooking, recipes, etc., glady nawseed upon request, to provide the second second second second second peterboro. Only

DANDELION GREENS.

DANDELON GREENS. Pick and wash 1 pk. dandelion greens. Parloil and drain, then cook in very little salted water until ten-der. Drain and chop fine. Cut 3 or 4 slices of bacon in small dice, dry slowly till all fat is extracted, then add ¼ cup vinegar. Let boil and pour over greens. Salt to taste and garnish with hard-boiled eggs. TOWAD TABAT.

Toast and butter as many slices of bread as you have persons to serve. Season tomatoes well and pour hot over the hot toast. Place a pouched egg over each slice and serve at once.

and try in hot nerd. StAT PORK STEW. Cover with cold water a piece of pork not too fat and simmer 2 hours or more, according to size. Then add sliced onions and potatoes, tooil an-other ½ hour, and then drip in some dumplings. Cover closely and boil continuously for 15 minutes. Serve at once, or the dumplings will become soggy. soggy.

QUICK DUMPLINGS.

QUICK DURPLINGS, To 2 cups four add salt and 2 teasp, baking powder and sit up with milk to make a soft biscuit dough. Cut in pieces of uniform size, or cut off spoonfuls and drop in boiling soup, allowing them to rest on top of meat. Do not crowd in more than can come to the surface. Cover closely and boil to the surface. Cover closely and boil uninterruptedly 10 to 15 minutes. OVERE ALTANCES.

Season tomatoes well and pour not over the hot toast. Place a poached egg over each slice and serve at once. CHICKEN DUFFLINGS. Mince remnants of cold chicken, add seasoning and liquor from the boiled oristers, chopped ince, chopped ince, about 30 chicken. Let this boil gently, then with pepper, salt, mace and a little thicken with 1 tablesp. flour. After-cayene pepper. Shape into balls, roll ward add I well-beaten egg, and when thick pour out to cool. Flour the hands Serve with a brown gravy.

HECLA FURNACE

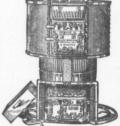
Has 30 Years Experience Behind It

Invaluable experience to you, who are going to buy a furnace this year.

20 years ago, we invented and patented the most important improvement made in furnace construction-our now famous FUSED JOINTS.

These joints mean an absolutely gas, dust and smoke proof furnace.

Then we adapted the FUSED JOINTS to the firepot and fused 97 steel ribs into the castiron, thus increasing the radiating surface three times that of any other firepot. An accurate three years



test, proved that the "Heela" Steel Ribbed Firepot saves one ton of coal in seven.

We learned that a steel combustion chamber was not durable. By experimenting, we found that an all-castiron chamber would last longer than a steel one.

We can help you, too, in planning the right heating for your home. Our book will tell you. Write for free copy. 103 CLARE BROS. & CO. LIMITED

PRESTON, Ont.

10 *****

de: Th bu

far far ing ha

dor

ly.

hay giv Buy dro bus

D mai gra was dan wel tha doir

fine som

CLOI was Roa the pric

roos hard

G.A

chee sider abur

Grai had ly. now

goin

CH

R

Let

you

wil

grow

The Upward Look within his house without fear, being the interval of the inter Christians Should be Happy

16

Rejoice in the Lord alway; and again I say, Rejoice.—Philippians,

Rejoice evermore .-- 1 Thessalonians, 5.16

Christians should be the happiest people on earth. We should be full and overflowing with happiness. If

we are not there is something wrong with our religion. It does not matter what troubles we may have, if we have true faith in God we will realize have true faith in God we will realize that even our troubles are blessings 'in disguise. There is a Divine pur-pise lebind them. It should be our effort to read that purpose. By doing so we will be drawn closer to God. In this way we will find how true it is that 'all things'-not just the pleas-ant but the unpleasant as well-"work

ant but the unpleasant as well—"work together for good to them that love God." (Romans 8.28.) "The Life Radiant," writes Lilian Whiting, ''comes when one can as sincerely thank God for pain as for joy: when, after long grouping in the darkness, clinging indeed to his faith in God, he suddenly realizes how a great sorrow has wrought in him a great possibility of a strength in the darkness, earned and a strength of the strength in the agreet source as a heavenit discutture."

"It has been well said that 'earthly cares are a heavenly discipline," writes the author of "A Christian's Secret of a Happy Life," "but they are even something better than dis-ciplino.—they are God's chariots sent to take the soul to its high places of tri-imph. They do not look like chariots. They look instead like enemies, suf-They look instead like enemies, suf-forings, trials, defeats, misunderstand-ings, disappointments, unkindnesses. They look like juggernaut cars of mis-ery and wretchedness, which are only waiting to roll over us and crush us into the earth. But could we see them Into the earth. But could we see them as they really are, we should recognize them as chariots of triumph in which we may ride to those very heights of victory for which our souls have been longing and praying. The juggernaut longing and praying. The juggernaut car is the visible thing; the chariot of God is the invisible.

"The King of Syria came up against the man of God with horses and chariots that could Le seen by every obut God had chariots that could seen by none save the eye of faith. The servant of the prophet could see only the outward and visible; and he cried, as so many have done since



eyes that he may see. 6.13, 18.) (2 Kings,

"This is the prayer we need to pray or ourselves and for one another, for ourselves and for one another, 'Lord, open our eyes that we may see,' for the world all around us, as well as around the prophet, is full of God's borses and chariots, waiting to carry us to places of glorious victory. And

Clifton A. Temple, of Fitch Bay, Que.

Only nine years old, and the owner and winner of a pure bred Farm and Dairy pig, his return for a club of nine new

when our eyes are thus opened, we shall see in all the events of life, whether great or small, whether joyful or sad, a "chariot" for our souls.

or sad, a "charlot" for our sours. "Everything that comes to us be-comes a charlot the moment we treat it as such; and on the other hand, even the smallest trials may be a even the smallest trials may be a juggernaut car to crush us into misery or despair if we so consider them It lies with each of us to choose us to choose which they shall be. It all depends not upon what these events are, but upon how we take them.

upon how we take them." If we will but remember this assur-ance, "For I the Lord thy God will hold thy right hand saying unto thee, Fear not, I will help thee" (Isaiah, 41.9), we will arise triumph-ant over all our troubles, disappoint-ments and perplexities instead of weakly aview on ad assures that as weakly giving up and saying that we must be resigned to the will of God. must be resigned to the will of God. God's will is that the very best things possible shall happen to us. That is why we should "Rejoice everyore" and rise triumphant in the arms of faith .-. I. H. N

... Clifton and His Pet Pig

"Those new subscribers T secured for Farm and Dairy all like the paper very much.

and night. I give them litter. I get Reseaseseseseseseseseses up every merning at a quarter to six and put the cows away to pasture, then come back and feed my calves and

pig. My school closed the first week May. I am in the fourth grade. My subjects are reading, spelling, writ-ing, arithmetic, geography, grammar, history and French. Now my school is closed, I am taking music lessons. For my playground I have a little

farm of my own near father's silo with horses and cattle in abundance.

horses and cattle in abundance. The nearest large city is Sherbrooke, about 16 or 18 miles from here. Stan-stead Plain is 10 miles from here. Fitch Bay is two and a half miles. That is where I go to take my music lessons. I have no small brothers or sisters. I have three brothers that are grown up and one is at home. Clifton A. Temple, Que.

Record of Canned Fruit

Tack a sheet of paper to the inside of the fruit-cupboard door. On this write the number of cans of each kind of fruit you put away. Keep a small or truit you put away. Keep a small pencih hanging at the top of the sheet of paper, and each time you remove a can, mark it off. You can see at a glance what fruit you have on hand without moving the jars about, as the following will show: 29 Blackberries 11111 11111 0 Oberries 11111 1 16 Peaches 11111 11111 1 1

Our		Serial	Story	
Plums Tomatoe	s 1	1111	111	

In the July 7th issue of Farm and Dairy will appear the first instalment of our new serial story, entitled "Miss Selina Lue." We are fortunate in be-ing able to give our readers such a bright clean and interesting story. It is not only a delightful story, but i It is not only a delightful story, but it is a good woma's paalm of life. The story is written hy Miss Maria Thomp-son Davies, and introduces us to a most magnetic woman. The story is something after the order of "Mrs. Wiggs of the Cabbage Patch," and is one that we feel will interest and en-tertain all our readers. It is well illustrated. Watch for its appearance tha, first issue in July. Better renew your subscription so as not to miss any instalments of this new serial story.

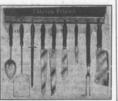
. . . Have you forgotten to renew your subscription to Farm and Dairy?

FOR SALE

For \$20.00, I can sell you the best auto-matic lift drop head Sewing Machine. For particulars apply to W. B. ROBERTS, particulars Sparta, Ont.

Woman's Kitchen Friend

This kitchen rack should be in every woman's home. You cannot afford to de your work another day without it. All the articles shown are household con All



veniences. Handles are black, and well finished. All regulation size and length. You can have this FREE, for a club of very much. I will be ten years old on June 22. I wilk be ten years old on June 22. I work hear on pets but my Farm and Dairy work securing two of your neighbors to have no pets but my Farm and Dairy subscribe. It such a dairs and gifts to seven calves to feed every morning (Manager, Farm and Dairy, Peterboro, Ont.

The Sewing Room Pattern 10 each. Order by number for adiate. If for children give age wates, and water measure for attrict Department. Interes to the Pattern WORK APRON 6656. PRON 655. The work apron that includes gener-ous pockets is the practical one and this model in addi-tion to that advan-tage is shapely and becoming at the same time that it is erimently useful. The straps are cros-

eminently useful. The straps are crossed at the back and buttoned into place at the shoulders so that it takes but a moment either to put it on or take it off

Material required Material required for medium size is $4\frac{3}{4}$ yds. 24 or 27, $3\frac{3}{5}$ yds. 36 in. wide. The pattern is cut in three sizes, small, medium, large, and will be mailed for 10

EMPIRE NIGHT GOWN 6653 (FA

GHT GOWN 6653 The night gown cut low at the neck and made with shoru silceves, is the best liked for warm meather wear. This model is dainty and charming yet perfect-ly simple. The trim-ming is arranged to ly simple. The trim-ming is arranged to give the Empire et-fect, which is be-coming and attrac-tive and does not involve any additional labor, for the gown is a plain one gather-ed at the upper edge. Material required

for medium size is $7\frac{1}{2}$ yds. 24 or 27, $4\frac{3}{2}$ yds. 36 in. wide, with $1\frac{1}{2}$ yds. of insertion, $3\frac{1}{2}$ yds. of beading,

and 3 yds of edging. The pattern is cut in three sizes, small, medium and large, and will be mailed for 10 cts.

HOUSE JACKET 6635

1

110 11 11



30 in

as well as comfort. as well as comfort. This one includes a square yoke, pep-lum and trimming of embroidery, but while such trimming means a charming effect with very little labor, it is not neces.

cts.

POINTED TUNIC SKIRT 6646



to a great many terials. Material required for medium size is 6% of bordered material 31 in. wide, with 1 yd. for the gored por-

ATT THE The pattern is cut for a 22, 24, 26, 28 and waist, and will be mailed for 10 cts



Morning jackets made with peplums are favorites, for are favorites, for they mean snugness and becoming flare



.....

pror ner

the and addi-lvan-

and

it is eful cros

and place s so ut a

take

ired e is , 3%

eut mall, and or 10

ros

neck short best warm This and rfect-trim-ed to e ef-bes

ttrac-bt in-ional gown tther-edge. uired a is 7, 4% with rtion,

ding mall, d for

ckets

for gness flare afort. des a pep-ming but ming little neces-entire made l and ished

suit

uired is 2¼ 44 in. ½ in.

6, 38, for 10

ation irt is this pecu-d at-es be-the apted

ma-

uired is 6½ terial 1 yd.

por s cut 8 and 10 cts.

KING'S CO., P. E. I.

KING'S CO., P. E. I. CARDIGAN BRIDGE—There was a great demand for young pigs this past aprime. They brought as high as 80 a pair when but four weeks old, although the most of farmers only charged \$5 to \$6 a pair. The farmers have taken great pains in clean have corrading their seed grain, as they were the second second second second second well to do with epochision that it pays well to do the second seco

NGVA SCOTIA

ANTIGONISH CO., N. S.

ANTIGONISMI CO. N. S. ANTIGONISMI. — Seeding is about all done, and early grain is coming up nice-by. Prospects are encouraging for a good hay crop. Pastures are good all coss are giving a good flow of milk. Beel is searce. Buyers are giving the a h. Butter has dropped to Ei; eggs. Ifc: polatoes, 50e a bushel.—Tom Brown.

QUEBEC

DUEBEC INITIATE - Owing to the set seather many farmers are unable to sow their any farmers are unable to sow their any farmers are unable to sow their any farmers are unable to some their any to some the source of the any farmer and the source of the any farmer and the source of the base were based or the source of the source of the source of the source of the rain flow of the source of the prior form the number of bloos and work goes on slowly on account of the rain flow of the source of the source of the source of the source of the rain flow of the source of the source of the source of the source of the prior flow of the source of

ONTARIO

ONTARIO LEDIS CO. ONT. GANANOQUE. — Pasture is fine and cheese factory outputs are increasing con-siderably. The hay erop looks well; some abundant fields of clover are to be seen. Grain looks fair. A short time argo we by, Oats hayrost that damaed is slicht y, Oats hayrost that damaed is slicht poing slightly under 96. Inter and cest sell for 36c and 18c respectively.—C. H. HASTINGS CO. ONT.

HASTINGS CO., ONT. CHAPMAN.-Grain is making a fair growth but corn is making very slow pro-gress and there is much complaint of poor

LAMENESS from a Bone Spavin, Ring Bone, Splint, Curb, Side Bone or simi-lar trouble can be stopped with ABSORBINE This directions in paraphies with each brites.com/instantister didirector instantister and the second second second instantister and the second second second instantister and the second secon



FARM AND DAIRY

PRINCE EDWARD ISLAND

NORTHUMBERLAND CO., ONT.

NORTHUMBERLAND CO., ONT. Explicit Constraints of the series of the seri

VICTORIA CO., ONT.

VICTORIA CO., ONT. OAKWOOD,-Several people in this vicinity invested in incubators and brood-ers this agrice that the fall offering of broilers will pre and the fall offering of with the local dealers: Barrer than usual with the local dealers: Barrer than usual many local telephone lines are being erected and invariably give satisfaction. By means of centrally located switch-boards the whole district is beep within easy call of everyone. Rural mail delivery is also being introduced and is rapidy becoming indispensable-R. W. H.

WELLINGTON CO., ONT.

WELLINGTON CO., ONT. METZ.-The good weather of the past week has helped the crops. Grass is still searce. Cows are selling as high as §65 and \$70. Butter is plentiful and sells at 18c. Eggs are staying at 18c. Grain is cheap, and the farmers are feeding it to their hogs. Beves are high, realizing §7.4 A number of people have been finder for not having their dogs muzide.-P. 8. DANT CO., ONT.

BRANT CO., ONT.

BRANT CO., ONT. ST. GEORGE-The dog-maniful bylaw is being more strictly subtract just now than in the past, and several dist now have contributed of their hard earned. The sheep are certainly on Easy Street because of the musiling regulations. Both tierahone companies, which are after the tural business of this section, are push-tier housiness of this section, are push-the mortis of burylow or are able to argument. The farm buryling and the happy-C. Cr. S. GREV CO., ONT.

GREY CO., ONT.

GREY CO., ONT. RAVENA.-Reverthing looks as if an abundant harvest is again going to be the farmer's reward for faithth hours of toil. The meadows are looking far better after turning are up and looks. Mangele and turning are up and looks them, as has lappened in former years. The ruling have provide the state of the look Some and are talking of spraying again.-M.C.

SASKATCHEWAN

HUMBOLDT DISTRICT, SASK. HUMBOLDT DISTRICT, SASK. VONDA-The weather has changed since my last report. We have a date sere hours of rain, and on the fare which we do not snowfall all day. It was done we had a snowfall all day. It was done we junce, we had frost, which left ice one quarter of an inch thick on a pail of water which I left outside my house in order that I might make certain of my report to Farm and Dairy. This frost killed all the wheat back to the ground again. Our farmers are all anxious about this year's crop.

farmers are all antious about this years crop. The West all through has been suffer-ing from lack of moisture, all reports to high from lack of moisture, all reports to the second second second second second price of what is going down constate. The price of what is going down constate. The price of what is going down constate. The price of what is going the second second and the second second second second second of these favorable reports, sent out by wheat buyers, in order that they may have a chance to buy is cehaper. Several million bushels of wheat are marked in the summer time, and buyers here, like that the to tanke fortunes. On June that the crops of settlers now state are the crops. Old settlers now state are that will ripen in 10 weeks, outs 'n jo weeks, and he states 'n jo weeks, and he states'

BRITISH COLUMBIA NEW WESTMINSTER, B.C.

New WESTMINSTER, B.C. CAMP SLOCOHI-We are having an abundance of rain. Crops are looking good. The worms are bothering the frain trees and vegetables. Strawberrigs are in their prime, as are also early otherrise. All live stock is looking exceptionally well, Land is selling at \$200 and \$200 an erc; and cannot be got at that in some locally ties.-J. C.

NANAIMO CO., B. C.

SOUTH SALT SPHINGS. - The dry sput of last month, which secured good condi-tions for pollination, has been followed by a satisfactory rain, so that fruit tree buds, which were in some danger from the conditions, as a developed under best conditions, as the developed under best conditions, as the developed of the source thing is practically assured. This applies to orchard fruits, small fruits and agri-cultural produce, except hay. This latter suffered from the drought, but is picking the early hay is rather stunted—W. J. L. H.

I am sending my renewal for Farm and Dairy for another year. I have been a reader of Farm and Dairy for a number of years and each year I think it has greatly improved. I would not like to be without it now, for from it I get much good information. Long my Farm and Dairy stand.-J. O. Cromwell, Kent Co., Ont.

Renew your subscription now



17



HAMILTON, ONT.

. . .

W. T. SHERWOOD,

Representative.

FARM AND DAIRY

MARKET REVIEW AND FORECAST

Toronto, Monday, June 20th.—There are many conflicting reports regarding the data although if the Government is the Northwest, have conduced to raise monotons although at the Government and although if the Government he taken as a criterion, there is nothing in the situation to cause alarm. The C. P. R.'s report asys that from 39 sections, only four are unfavorable, and that the weather generally is favorable, and that the reased of rain times are indentify great hardly enough drought to warrant the reast of some of the more presimistic sorturas; from the older provinces, enouraging reports continue to be sent in, warranting the belief that under ordinary conditions of weather and temperatures the present season should be a fairly pre-ting for insertion in this issue coming to hand after a

perois one. Flotations of companies and mergers of big concerns still continue, the latest be-ing the amalgramation of the well known firms of W. A. Murray & Co., and John Kay & Co., of this city. It is believed that the explicit will be invited to be a cor-tain portion of the shares. Money remains easy. Call money in Toronto is 5^{+}_{2} per cent. WHEAT

WHEAT

The latest advices from across the border note a marked improvement in the condi-tion of the wheat crop. The varied changes in the weather, coupled with un-favorable reports from a few sections of



On account of considerable ad-vertising for insertion in this issue coming to hand after a large portion of the paper had gone to press when it was too late to enlarge the paper, the crowding out of reading matter was unavoidable.

side. On the farmers' market, fall wheat is selling at 92c to 95c, and goose wheat at 90c a bushel. COARSE GRAINS

COARSE GRAINS All the coarse grains with the excep-tion of eats remain stationary at hest week's quotations. Local dealers give the following prices:: Canada Western coats, No. 2, 35/9:c No. 3, 24/9:c hush, lake ports; No. 2, 35/9:c No. 1, 26/2, Coardina eorn, No. 2, 47:c Canadian corn, 6/c to 6/c a bush, outside: Manitoba barley, 2: & a bush outside: Manitoba barley, 2: & a bush outside: Manitoba barley, Se a bush. outside; manifoba barley, Se a bush. on track lake ports; peas, 70e o 71c; buckwheat, 50e outside; rye, 67e o 68e a bush. On the farmers' market, oats are guoted

On the farmers' market, onts are quoted at 37 to 38 a bash, peak, 70c; barley, 48c; buckwheat, 53, and rye, 54c a bush. Montreal desires quote as follows; No. 2, Canadian westerms, 56c to 56/c in store; No. 3, 56c to 56/c; more, 75c to 50c; harley, No. 3, 46c; No. 4, 44c; buck-wheat, 56c a bush. Descentrations and A, 44c; buck-wheat, 56c a bush.

POTATOES AND BEANS Prices are getting firmer in regard to potatoes, and Delawares are quoted at 50e to 55e a bag. Ontarios are also in the market again and are selling at 40e to 45c

a bag in car lots. On the farmers' market, potatoes are selling at 55 to 60e a bag. There is no change in the price of beans, primes being quoted at \$2.10 to \$2.20 and three pound pickers at about the same

woor

Prices for wool remain unchanged from last week's quotations, being as follows: Washed fleeces, Be to 26e a lb., unwashed fleeces, J2c a lb. In Quebec province the woollen mills are doing a good business and advance orders for knitted goods de-note encouraging activity.expv

EGGS AND POULTRY

The demand for eggs has fallen off omewhat and this coupled with the fact

somewhat and this coupled with the fact that tremendous supplies are coming into the market, has served to keep prices sta-tionary. Declares quote case lots at 196 a dozen. On the farmers' market, eggs are selling at from 36 to 256 a dozen. It is noticeable that the movement in-tionary is a state of the server in the server of the formation of and efficient is negred or the formation of and efficient is negred places are considering the advisability of starting them in connection with their business.

Prices of poultry in the local market

Prices of poultry in the local market are as follows: In Montreal there is a slightly lower price quoted by dealers in eggs, straight receipts netting 18c, whilst selected lots are quoted at 12 c a dozen. Prices for poul-try in Toronto are as follows: Spring chicken, dressed, dbc; turkeys, 16 to 17c; ducks and geses, dbc; idd fowl, 16c a lb

HIDES and geess, here on row, here a for-HIDES Dealers make the following quotations for hides: No. 1, inspected steer and cow hides, 10%: No. 2, 9%c: No. 3, 8%c a lb, Calfakina, 16c: sheepsdins, \$1.25 to \$1.35; tallow, 5%c to 5%c a lb. At country points, the following pric

At country points, the following prices are being paid by dealers: here hides, $3\psi_c$ to 9c a lb: calfakins, 12c to 14c; sheep-skins, 8.10 to 8.15c; lambekins, 20c to 30c, b) horsehides, 82.75 to 33c a lb. Montreal dealers quote as follows for hiders: No. 1, inspetch beef hides, 12c. No. 2, 11c a lb; calfakins, 17c; lambakins, 30c each.

ach.

MILL FEEDS

NILL FEEDS Local devices quote the price of mill feeds as follows: Manitoba bran, 818 a ton: shorts, 850 a ton on track, Toronto. Ontario bran, 819, and shorts, 851 a ton on track, Toronta, trade is duil and prices remain nominal. Manitoba bran, 819, bran, 819, shorts, 821 a ton, in bags.

June 23, 1910.

DAIRY PRODUCTS

There is nothing of moment to chronicle in the present condition of the butter and There is nothing on moment to consider the second second second second second second second these marks. Resciptor of the builter and these marks. Resciptor of following quark tiles continue to pour into the market, and local dealers make the following quark to 10 its: separator prints, 20: and or farmers' market, thoise at a month farmers' market, thoise at a month of selling at 20: to 12: a b, and inferior quality at 20: to 12: a b, and inferior quality at 20: to 12: a b, and inferior quality at 20: to 12: a b, and inferior quality at 20: to 12: a b. In Montreal farmers' is quarket by dealers at 20: the second second second second cheese, 15% to 12% a b. Montreal quo-taions for cheese are, white cheves, 16 to 11% c a 1b; colored cheese, 10% to 116 a 1b.

HORSE MARKET.

Dealing in horses has been a little brisk-er during the week, as many farmers are finding, as we foretold some time ago.



For Spavin, Ringbone, Curb, Splint, Swellings and all Lameness,

Kendall's Spavin Cure cures the trouble-makes the horse sound and well-and saves money for the owner because it removes the cause of the trouble.

Keep a bottle always at hand- \$1 or 6 for \$5. Good for man and beast. Ask your dealer for free copy of our book "A Treatise On The Horse" or write us for \$5

DR B. J. KENDALL CO. Enosburg Falls, VL.

PETER



Be Sure and See the Peter Hamilton Agent before Buying THE PETER HAMILTON CO., Limited

Peterborough, Ont.

MOWERS possess surpassing merand remain unex-led. Their compactness and simplicity of

structure are apparent. We invite the closest we invite the closest examination and com-parison. A maximum of durability, conven-ience and efficiency with a minimum of machinery. The Main Frame

strong and holds all shafts and gears in perfect mesh. The gears are powerful and well are powerful and well protected. No lost mo-tion. The Main wheels are bread-faced and high. The Foot Lift is easily operated and effective. The Draft is direct to the Cutting Bar. The Cut-ter Bar is rigid and can easily be realigned, or the knife recentred if necessary. that work. lowing horses eral p \$100 to viceab

A gr brough time. and th trend mals a the pr level. high a high a some e cwt. 7 on the Prices at \$9 f ered. by loca Choic \$5.35 to \$6.

 b6.
 Butch
 um, \$6
 cows, c
 Feede
 to \$4; c
 Milch
 \$35 to
 calves,
 Sheep Sheep. 84: lam Hogs,

cwt. The T dent cal 70s to 74 MC

Montre ket for with st the dea cwt. for towards creased and pri of the o one-quar are look ceipts ar

The de quotatio through cwt. for EXPO

Montre lull i brisk tra well ad that price bring on again this was where li day, and offerings price rul kets in west sell British ti a good si

is calcula until it GRA

I RET Between

Detro Niagara Good 6 Retur

NORTH

Sailing SARNIA wednesda Only the steamers Sailing p.m. and Wednesda and GEO Informa Agents, o nia or Co

die

that they are short of animals for their work. Prices are very high, as the fol-lowing quotations will show. Heavy draft here and the show of the show of the show of the low of the show of the vicenbly sound horses, \$10 to \$20; set-vicenbly sound horses, \$10 to \$20; set-

LIVE STOCK.

LIVE STOCK. A great many grass fed eattle are being brought on to the market at the present and Many of them are of poor quality, and the second state of the second tend of privations of the second state privation of the second state of the second state of the second state of the privation of the second state of the tend state of the second state of the second state of the second state of the tend state of the second state of the second state of the tend state of the second state of the tend state of the second state of th

Choice exporters-\$7 to \$7.55; medium, 56.35 to \$6.75; ordinary quality, \$550 to

56. Butcher cattle-Choice, 86.50 to 87, medi-um, 86 to 86.28; ordinary, 85.25 to 85.75; Creening, 85.50 to 85.05, 85.50; Ferening, 85.50 to 85.65; bulls, 83.50 to 84; canners, 82 to 85.05, 85.1018, 83.50 Milch cows, choice-845 to 875; springers, 855 to 860; ordinary quality, 850 to 845; curves, 83 to 85.69.

alves, 85 to 86.50. Sheep, ewcs—84 to 85.25; bucks, 83.50 to 4; lambs, \$8 to 88.75 a cwt. Hogs, f.o.b., \$9; fed and watered, 89.25 a

cwt. The Trade Bulletin's London correspon-dent cables: "Canadian bacon, unchanged, 70s to 74s."

MONTREAL HOG MARKET.

MONTREAL HOG MARKET. Montreal, skurday, June Sih.-The mar-ket for live hogs opened firm this week, with supplies comparatively light, and the forears were obliged to pay 810 a towards the end of the first of the recased supplies, the market cased off, and prices declined somewhat, the built of the offerings selling at \$37.5, a drop of one-quarker of a cent a b. Easter prices recipts are for next week, as heavy re-ceipts are for next week, as heavy re-

The demand for dressed hogs is fair, and quotations have remained steady all through the week, at \$15.50 to \$15.75 a cwt. for fresh killed abattoir stock.

EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE. Montreal, Startdray, June 18-There was a lull in the demand after last week's briek trading, and before the week was well advanced, it was quite evident white was quickly evident at the be reduced to aratin. That the local dealers reducing aratin. That the local dealers reducing aratin. That the local dealers reducing where limits were being reduced every day, and on Thursday at IR redeville the offerings were all sold at 10% e at h. This offerings are all out at 10% e. A h. This west selling at around 10%. Now, that we are back to a lower level again, the we are back to a lower level again, the British trade is taking more interest, and a good sized demand has sprung up, which is calculated to keep prices fairly steady until it is satisfied.

GRAND TRUNK SYSTEM DOMINION DAY **RETURN TICKETS AT** SINGLE FARE

Between all stations in Canada, also to Detroit and Port Huron, Mich., Niagara Falls and Buffalo, N. Y.

Good Going Jun. 30 and Jul. 1 Return Limit, July 4, 1910

NORTHERN NAVIGATION CO. Grand Trunk Route

Grand Trunk Route Salking of passenger steamers from SARNIA for SOO, PORT ARTHUR and DULUTH, every Monday, Wednesday and Saturday at 3.30 p.m. Only the Wednesday apd Saturday steamers go to DULUTH. Sailings from COLLINGWOOD 1.30 p.m. and OWEN SOUND 11.45 p.m. Wednesdays and Saturdays for SOO and GEOGIAN BAY PORTS. Information from Railway Ticket Agents, or from the Company at Sar-nia or Collingwood.

die

ia or Collingwood.

The receipts this week were very heavy, the total amounting to \$4,56 boxes, actu-ally 15 per cert. greater than for the or-increased manufacture of \$4,56 boxes, actu-ally 15 per cert. How long this increased manufactures and the second second remains to be seen, but it maintained the matter is that the same. The fact of the matter is that the same. The fact of the matter is that the same. The fact of the matter is that the same could be thrown us out in our calculations and the flush of the make, which is now on, is up against the make of a couple of year, and works flush of the make last of the same should be fully equal to the near further a failing off in the in the near further a failing off in the set of the same should be fully equal to the same should be drop until to same the close butter was offering freely the top prices tended to drop until to the same should be the but to be the same the close butter was offering freely the top set in the close in the coupt in the coupter **CHEREE MARKETS**

CHEESE MARKETS

Stirling, June 14 .- 1035 boxes offered; no

Madoc, June 15.-795 boxes boarded: 435 sold at 10%c; 110 at 10 11-16c; balance re-fused 10 11-16c.

Note as 19-20; 149 ht 19 1710; Daniel 16 17 Hand 10 1136; allen 15.-2000 hores offered; Woodstock, June 15.-2000 hores of white Alexandria, sales at 19:0; 941 hores of white offered; all sold at 19:0; 941 hores of sold colored. The boxes were nearly all clear-dot at 30:5; 845 to 10:5; c. Relieville, June 16.-2005 white offered; :-less 300 at 10:5; as 35 at 16:16 and 430 at 10:5; balance refused 10:5; and 19 546. Breckville, June 16.-206 colored and 19 white offered. Best bid 10:5; c. none sold.

sold. Vankleek Hill, June 16.-1962 boxes board-ed. Price offered was 10%c; all selling at this figure. Russell, June 16.-275 boxes of white and 60 boxes of colored boarded. All sold at War

Kemptville, June 17.-325 hoxes of white and 575 hoxes of colored offered, of which 415 hoxes sold at 10%. Iroquois, June 17.-430 colored and 578 white offered. All sold at 10%. Alexandria, June 17.-491 hoxes of white offered; all sold at 10%. Picton, June 17.-494 hoxes of white offered; all sold at 10%. Kemptville, June 17 .- 325 boxes of whit

sold. Napance, June 17.—1900 white and 500 colored offered. The sales were 1900 at 10% of the balance refusing 10 9-16c. Ottawa, June 17.—962 boxes boarded, 414 white and 546 colored. All but two small lots sold at 10% c.

Mr. A. A. Colwill, of Newcastle, Ont., states that he has recently sold one of the hulls advertised in Farm and Dairy. The other he is keeping for his own use this before advection of the Shorthorn heiters advection of the Shorthorn heiters advection of the Shorthorn but still has a few very choice searchings



Dr. Bell's Veterinary Medical Wonder cures inflammation of lungs, bowels and is every county. Write for a free trial \$1 bottle. This offer only good for 6d ays. Limited to goo bottles. DR. BELL, V.S., Kingston, Ont.



Beveral choice young Sowe sired by Imp. Beveral choice young Sowe sired by Imp. Beveral choice young School of the source of the channel of the source of the source of the source of the brand two year old Shorthorn heifers. First class family. Excellent milking strain. Prices right,

A. A. COLWILL, Box 9, Newcastle, Ont.

and two year olds for sale, at reasonable prices. Several very choice young sows, recently bred to his young stock hog, are also for sale. These sows are sired by his imported boar, and are out of sows that were sired by 'Coleil's Choice." They are also the angle the seven are for and the the seven fit for any show ring. A few matured the second secon These also

AYRSHIRES AYRSHIRES

One young cow freshening about June 25th. One bull calf, dam and gr. dam on sire's side, both R. O. P. cows. Also bull calves from Record of Performance cows. Prices right. JAS. BEGG, Rural No. 1, St. Thomas, Ont

BURNSIDE AYRSHIRES

Derived the art of the second old heifers. R. R. NESS, Eurnside Stock Farm, Howick, Qua

CHERRY BANK STOCK FARM

Have yet one yearling bull fit for ser-ice, a good big fellow with lots of quali-r also three last fall bulls. Females, any ge, and calves of either sex. Write for

P. D. MCARTHUR, North Georgeto % mile from Howick Station. Que SPRINGHILL AYRSHIRES Imported and home bred stock of al ages for sale. Stock shown with grea success at all the leading fairs. RCBT. HUNTER & SONS Maxville, Ont Long distance phone. K-7.1-10 AYRSHIRES OF ALL AGES

Imported and homebred. Write for rices, which you are sure to find attrac-

Box 145

Cornwall, Ont FOR SALE

FOR SALE Starkh dnis Stortin, two year old dyr, shire buil, bred by II, and J. McKee, Ner-eich. Dam, Starkh 2nd, record in 48 hours start and the start brown 1838, 124 lbs, 4 per sent milk, flart priors, 1838, 124 lbs, 12

T. C. TREVERTON, Poucher's Mills, Ont

HOLSTEINS

FOR SALE.—Cornelia's Posch, five times ist prize bull at Toronto and London Pairs; also five of his sons, all from rec-ord of merit cows. Also females of all uces. TF

THOS. HARTLEY Downsview, Ont

LAKEVIEW HOLSTEINS

LARREVIEW HTTP: BITCH Count Hengerreid Payne De Kol beach the herd. His sire, Pietertie Hengerreid Cham. De Kol, is the sire of the world's cham. De Kol, is the sire of the world's the milk in one day, and is the dam days. His dam, drace Payne Ind. has the dam, drace Payne Ind. has the dam world's champion build Monstead, the world's champion build Monstead, the hutter in 7 days. Bull calves for sho

E. F. OSLER, Bronte, Ont.

HOLSTEINS-Winners-in the ring t the pail. Gold Medal herd at Ott air. They combine Conformation and Produc-

Bull and Heifer Calves from our winners for

"LES CHENAUX FARMS" Vaudreuil, Que.

DR. HARWOOD, Prop. D. BODEN, Mgr.

HOLSTEINS **BULLS! BULLS! BULLS!** A less than half their value for the next 30 days. Write

19

GORDON H. MANHARD MANHARD, ONT., Leeds Co., 3-11-10

HOMESTEAD HOLSTEIN HERD

Headed by the great young size, Dutch-land Colantha Sir Abbekerk. Dam, Tidy Pauline De Kol, butter 7 days, 22.44. Sire's dam, Colantha th's Johanna, butter 7 days, 352. Average of dam and sire's dam, 3133 lba. Bull calves offered, one to seven months old, from dams up to 25% lbs. butter in 7 days.

days EDMUND LAIDLAW & SONS

17-2-10 Box 254 Aylmer West, Ont.

RIVERVIEW HERD

Offers bull calves at half their value for the next 30 days. One ready for service, one sired by a son of King of the Pontiac, dam daughter of King Segis, Record, 18.37 lbs. butter, 7 days, as Jr. 2 year old. P. J. GALLEY E.10.6.10

Lachine Rapids, Que,

	S HOLSTEINS
R. O. and R. O. P. c.	Bull Calves, from A. ows for sale. Also 1. born April 24, 1904. (Sire, Sir Henry
Dam, Shady Brook Gerben Parthon- ia.	Parthonia. Dam, Shady Brook Gerben.
Butter in 7 days, at 3 yrs., 16.16.	Butter in 7 days, 26.11.
Sire, De Kol 2nd, Butter Boy 3rd. 43 A. R. O. daugh- ters.	Sire, Manor De Kol 32 A. R. O. daugh- ters. Dam, De Kol 2nd. Butter, 26.58.

E. B. MALLORY, Frankford, Ont

SUMMER HILL HERD REGISTERED HOLSTEIN CATTLE

This year our herd has made two forld's Records, and two Canadian Recw.

Works Records, and two Chandina Rec-jonnie Boncress Ormaby Szi, calved au two year old, gave 16,69 lbs. milik. contain-ing SZB ponnab plutter in 36 daws. (Official states of the state of the states of the states in months after calving, which is works Record for that period Record for that period Record for the states of the states of the states of the states of the states (Bhe will do much better). But will do much better). But will do much better. In b. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 7(3 De Kol 1014, mach 16,47 be. butter in 5(3 De Kol 1014, mac

10. Director un y may, having its variants of old.
There is a statistical of the same more to or the frame and and of leaning barges or marks, world champion, and canadi of frame of the same more to our the size and dam of leaning barges or marks, world champion, and dam of Frame, Champion and an adding a fease dam of Frame, Champion and the same and and of Frame, and the same adding a fease of the size of the same of the same of the weather of the size of the same of the barges of the size of the same of the weather of the size of the size of the barges of the size of the barges of the size of the size of the size of the barges of the size of the size of the size of the phase size of the size o

D. C. FLATT & SON, Millgrove, Ont R. R. No. 2. ETP

LYNDALE HOLSTEINS

We are now offering for sale a 13 mos. old son of "Count D. Kol Preteriji Pani" out of a 20 lb. dam: also a son of Sara Hengerveld Korndyke, from an 18 lb. cow. Both choice individuals, fit for service. BROWN BROS, LYN, ONT.

EDGEMONT HOLSTEINS

For sale, one yearling bull, fit for ser vice; also bull calves from Record of Performance Cows.

T. P.

Q. H. MCKENZIE Thornhill, Ont.

Do you want a first class Cow or Heifer bred to a first class bull? Francy 3rd's Admiral Ormsby heads our herd. Dam, Francy 3rd, Canadian Champion Butter Cow. Sire, Sir Admiral Ormsby, sire of the world's champion 2 year old heifer.



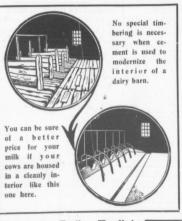
nicle r and modi-arket, quo-rints, d or-n the er is ferior treal rs at : old quo , 11c

0.

se

ago,

FARM AND DAIRY June 23, 1910. Write to Alfred Rogers for free facts about cement's value to you



HERE is your op-portunity to get, for nothing, the inside truths about cement-how little it costs compared with lumber-how to use it so you will be satisfied with the result—where to buy it-what kind to buy. I will tell you all you want to know about cement, and I will not charge you one cent for telling you. Learn all about cement free. Write me now.

All silos are good; but a stave silo is something to bother over from the first day you use it. Concrete silos may seem hard to build; but they are easier to construct than any other kind whatever.

Easily Handled Cement is

There is nothing intricate nor difficult about handling cement. Write me, and I will show you just how to mix and use concrete (which means a mixture of cement, sand and broken stone). If you are "handy" at all, you can quickly learn how to build almost anything with cementfrom a fence-post to a cattle-barn. I will tell you how to go about renovating your house, wagon-shed, barn-any building on your place. And I will save you money, too. Yet you need pay me nothing at all for my helpful advice.

Fireproof and Decay-Proof

Fire cannot destroy a concreted surface. Decay does not affect it. Structures exist to-day, in Great Britain, Italy and elsewhere, that were built of cement more than two thousand years ago. Dampness cannot penetrate a concrete wall. It is an armor against heat and against cold-so a building even thinly overcoated with the right kind of cement is warmer in winter and much cooler in summer than even a solid stone building can be. Yet its cost is trifling.

My Knowledge Freely At Your Service

This advertisement is intended simply to educate you about cement, to tell you a few facts about the building material every farm ought to use for almost any purpose lumber is used for now. I offer you my expert advice and instruction entirely free of cost or obligation to you. You are welcome to it.

> Won't you write me before you build?



FREE Instruction on How to Build Any of these Farm Necessities : SILOS CORN CRIBS

COW SHEDS STABLES WATERING TROUGHS CESSPOOLS SLOP TANKS ICE HOUSES BOX STALLS CISTERNS BARN FLOORS FEEDING YARDS DAIRY BARNS POULTRY-HOUSES And Many Other Farm Structures

JUST WRITE AND ASK ME

from age or from any other cause. You will be mighty well satisfied with anything you build of cement, whether it's a mansion or a watering-trough for the cattle.

Cement Cheaper Than Lumber

Even in first cost, a concrete house, barn,

henhouse, shed-or any other structure-is

actually cheaper than a cheap lumber con-

struction. In the long run cement is ever

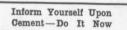
so much cheaper-because it needs no re-

pairs-you don't have to paint it-it just

lasts and lasts, and does not deteriorate

Skilled Labor Rarely Needed

Moreover, it is seldom necessary to hire high-paid mechanics to do any cement work you want done. The probability is that I can quickly teach you how to do the work yourself, with no outlay for skilled labor. Get the right cement-I will tell you about that, too. Use common sense and follow my plain-English instructions, and I can almost guarantee a satisfactory job on anything you want to use cement concrete for. Just write me and get the facts



Simply tell me your name and address, and give me an idea of what you might possibly use cement for. I will do all the restinform you fully upon this important money-saving, satisfaction-giving building material. You can have all the facts freely. Don't hesitate to write me because you are not quite ready to build. You will be ready some day.

> Ask me now for the facts you ought to know.

ALFRED ROGERS CEMENT MAN **315 ELIAS ROGERS BUILDING** TORONTO, ONTARIO