

THE DORMANT SPRAY: ONE OF THE ESSENTIAL OPERATIONS IN PRODUCING CLEAN FRUIT. ISSUED EACH WEEK Rural Publishing Co., Ltd., Publishers ONE DOLLAR A YEAR FARM AND DAIRY

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Ontario Farmers' Views on Public Issues

Government Expenditures to Help City Unemployed at High Wages not Favoured. Free Trade with Great Britain Advocated. Public Outlays on Trunk Highways not Approved. Resolutions

Passed Last Week by The United Farmers of Ontario.

 $I_{\rm MPORTANT}$ resolutions dealing with public issues of the day, from the standpoint of the farmer, were passed last week at the first annual been fully discussed to united Farmers' of Ontario, after they had first unanimously. They were as follows:

The follows: Free Trade with Great Britain The following resolution is in harmony with the resolutions passed re-cently by the farmers' organizations in Western Canada and indicates the practical loyalty of the farmers of Canada, as a whole: "Whereas, in this time of testing for the great Empire of which we form a part, Canada is pouring out its young manhood and millions of dollars in answer to the Empire's need.— "Be it resolved, that in the opinion of the members of The United Farmers of Ontario every effort should be made to bind up the ties that unit us with the Mother Land, and therefore we would recommend that the time has come when we should have complete free trade with Great the time has come when we should have complete free trade with Great Britain."

Make the Manufacturers Pay Their Share

Make the Manufacturers Pay Their Shars During the discussion it was contended that the recent increase in the tariff will enable protected manufacturers to charge more for the goods they sell farmers and others without the Government receiving any revenue from many lines of such goods. This is because they are made in Canada, and little, if any, of the raw material used in them is imported. It was felt that in such cases an excise tax should be placed on these manufactures, as is done in England, which would ensure the Government receiving the full heading of the increase. In the customs tax, The following responying to was benefit of the increase in the customs tax. The following resolution was, therefore, passed:

therefore, passed: "Whereas, farmers are being urged to increase production from the soil, and whereas the first step towards such increase should be the removal of artificial handicaps placed on agriculture.— "Therefore, be it resolved, that in the opinion of this convention the recent increase in customs taxation on imported goods, which will increase the profits on protected manufacturers without adding to the national re-result of the second particular by a corresponding average tax on the outprat The provide on provide the accompanie of the actional rev-ence should be accompanied by a corresponding excise tax on the output of domestic factories, equal to the actual protection involved, a policy which will add to the national revenue without further increasing the handi-cap on agriculture for the benefit of other industries."

Toronto-Hamilton Highway Condemned

(a) on agriculture for the benefit of other mutustres. Toronto-Hamilton Highway Condemned Delegates claimed that it was unfair to tax the province to build an ex-pensive highway from Toronto to Hamilton. It was claimed that the pro-posal to pay a minimum of bc an hour, instead of decreasing unemploy-ment in the cities, would lend to increase it by drawing away laborers in the cities, would lend to increase it by drawing away laborers in tain work so this as agriculture to the cities in order that they might ob-tain work so this is agriculture to the cities in order that they might ob-tain work so this passed. "Whereas, the whole province is to be taxed for the purpose of building a concrete automobile roadway between Toronto and Hamilton; "Whereas, it is proposed that the minimum wage for labor on this high-way, shall be 25 cts. an hour; "Whereas, this action will set a standard in wages with which farmers will have to approach if they are to increase the provincial and federal taxa-tion and at a time, too, when prices of all classes of farm produce and grage should be fixed in the builtin out of uniton on arbitrary standard of wages should be fixed in the builtin of of uniton and the tendency of both the purposed of a farmers as a result of the tendency of both the purposed of a farmers as a result of the tendency of both the purposed of a farmers as a result of the tendency of post-tic purposed of the tendency of both the purposed of the purposed of the purposed of purposed of purposed of the pur

Government Work For Unemployed The burden that is placed on farmers as a result of the tendency of both the Dominion and provincial governments to use public money to provide employment on public works for the unemployed, was discussed. It was contended that as the government is required to pay high wages the ten-dency is to make it increasingly difficult for farmers to obtain farm lab-or, and also to lay an additional burden on farmers through the increased taxes involved. The following resolution was therefore passed: "Whereas pressure is being put upon Dominion and provincial govern-ments to increase the youtume of employment in toward to such claims: "Whereas, and governments show a dismusition to yield to such claims."

"Whereas, said governments show a disposition to yield to such claims; "Whereas, the effect of such yielding must be to add to the drift of labor from the farm, where it is needed, to urban centres, where it is not

"Therefore, be it resolved, that in the opinion of this convention an ab-solute termination should be put to hot-house forcing of urban centres to the end that labor may naturally flow back to the quarter where it is re-quired and where if agriculture is given a square deal it naturally will flow.

The Depressed Horse Market

"Whereas, the Dominion Government has recently placed an embargo on the export to the United States of horses suitable for military purposes, and has prevented purchasers from the British and French military war de-partments from making purchases in Ganada; "Whereas, the effect of this action is restricting home producers to one market, and is tending to depress a branch of agriculture sufficiently de-pressed already; "Therefore, be it resolved, that this convention respectfully urge the Dominion Government to remove the restrictions enforced to the end that production be given its greatest possible stimules." Direct Taxation Endorsed While annroval was not expressed of expenditures which have forced the "Whereas, the Dominion Government has recently placed an embargo on

While approval was not expressed of expenditures which have forced the Ontario government to raise more revenue by taxation, the action of the (Concluded on page 9)



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

Vol. XXXIV

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FOR THE WEEK ENDING MARCH 4, 1915

Have Apples Been too Extensively Planted* A Survey of the Situation from Coast to Coast by D. Johnson, Dominion Fruit Commissioner

VER three years ago I addressed the On- " to face with the conditions obtaining in that tario Fruit Growers' Association on the future of the apple industry in Canada. At that time I told them to go on planting more and more orchards, because the development of the country was such that there would be a constant and strong demand for many years to come.

I have travelled over all the fruit-producing districts of Canada during the past six months, and have been amazed at the hugeplantings which exist. I knew before that Canada had some 25,000,000 fruit trees, but had never realized what these figures meant until I came in contact with the orchards, and it was pressed home to me that there was a day not far distant when Canada would be face to face with over-production.

In the famous Annapolis Valley of Nova Scotia not more than 50 per cent. of the apple trees are bearing, and those that are bearing are still young and far from yielding their maximum amount of fruit. In this valley apples are the main product of the land, and the good care that the growers are giving their trees assures us that Nova Scotia will yet produce twice as much and perhaps four times as much before many years. New Brunswick is also planting, and on the sloping bank of the St. John River are thousands of acres of young orchards that are not vet producing. Quebec is also forging to the front oace more, and many acres of Fameuse and McIntosh Reds are there found producing an apple of superb quality and appearance.

Conditions in Ontario

With conditions in Ontario we are all more or less familiar. We know that in some districts, such as this, the plantings have greatly increased, while in others San Jose Scale has wiped the orchards out of existence. Nevertheless, the fact remains that one-half of our 10,000,000 apple trees are not yet bearing. It is only necessary to drive up and down the concessions north of Lake Ontario and Lake Erie and east of Lake Huron to be convinced that the orchards are just beginning to produce.

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British Columbia was a great surprise to me. I had often heard of the orthards there, but when brought face *An address by Fruit Commis-tioner Johnson to his own people town in Lambton Co., Ont.

province it was a revelation. I travelled hour by hour through solid orchards, kept in a state of perfection seldom seen in Ontario. It is true that they are producing only some 1,000 carloads of apples this season, yet it is only the beginning, as two-thirds of the trees are under five years of age and the other third practically only beginning to bear. The north-west States of Washington, Oregon and Idaho are in a like position, producing now some 15,000 cars. In view of these facts, I can only ask you, as I have asked myself time after time, "What of the future?"

Enough Trees Planted

I do not wish to throw cold water on the fruitgrowing industry, but I do think it is time for us to take stock of the future and see where we stand. I am of theopinion that unless we can greatly increase consumption, there are enough fruit trees planted in Canada to supply its needs for many years to come. Let us take care of the trees we have, produce the finest grade we can, and I believe there is a fair return assured under normal conditions.

I know that some will not agree with me: that they will say I am discouraging orchard-land booms and depressing the price of land. When out west this summer I inquired the price of a certain piece of orchard land and was told in a fnost discouraged tone that it would be hard to get much over \$1,000 per acre for it now, but that a few years ago it was sold at \$2,500 per



No. 9

Mr. D. Johnson, Dominion Fruit Commissioner. In the article adjoining Mr. Johnson discusses present conditions in the fruit industry. After reviewing con-ditions from cosst to coast, he believes that "go slow" is a good rule to govern growers in their future planting.

acre. In Lambton it would not have sold for more than \$100 per acre.

Lambton has been mercifully spared from the blighting effects of orchard land booms. I have met hundreds of people who have been induced to buy orchard lands, such as we have here, at a valuation ten times as great as we ask. Such booms can only have one effect, and that is one of serious loss and discouragement. I trust that such a catostrophe will never fall to the lot of

our county, but that fair and full valuation will always he placed upon orchard lands in this district.

It may be said that we have many thousands of acres yet unplanted. My advice is to curtail planting until such time as the consumption of fruit increases to meet the plantings of the present day. If we are going to have two or three times as much fruit in the next ten or fifteen years as we have at the present time. it is going to take no prophet to tell the final outcome. This year we find thousands of barrels of apples wasting in our orchards. This, of course, was caused by the abnormal conditions, which have never existed before.

The argument is often advanced that 50 per cent. of the



Are we facing overproduction of fruit in Canrist' - Statistics would seem to verify this claim of many growers. Of the spiendidy tilled orbins'de of British Columbia, for instance, two-chirds are under five years of age and the greatery proportion of the romainder are only beginning to bear. This orchard scene in the Okamagna Valley is characteristic of all of British Columbia's fruit areas: Revery planting, too, has been the rule in Eastery Ganada.

FARM AND DAIRY

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Prospects for a Bumper Crop in an Essex Co., Ont., Orchard.

orchards now planted will never produce. This has been the case in the years which are past, but we trust it will not continue.

A more important question than that of production is now before us-that of marketing. Up to the present time very little has been done in this particular line. It is true that the late Mr. McNeill did perform a most valuable work for the fruit growers of Canada in preaching cooperation from one end of the Dominion to the other. The result of his mission has been the organization of large cooperative associations, scattered throughout the various provinces, which have long ago justified their existence. To-day market conditions are so unbalanced that much fruit is left unharvested, yet the cooperative associations are, in most cases, receiving a fair return for their fruit. To my mind, the first and most important step in marketing is the organization of the producers. Now the time has come for these associations to go a step farther, that is, to proclaim to the world the quality of their fruit, or, in other words, to advertise.

Government Advertising

It has often been suggested that this work should be performed by the Government, and last fall the Government expended some \$12,000 on this work, and the advertising campaign which has been carried on over the whole of Canada brought in over 25,000 letters of inquiry. Your county has already given several thousands of dollars for advertising Lambton fruit and fruit lands. I venture to say that if \$1,000 had been spent this year in advertising Lambton apples in the north-west provinces or in the large consuming centres of the east, with definite prices and the names of associations or shippers, who would supply at these prices, every barrel of apples produced in the county would have been marketed at a price of from \$2 to \$2.25 per barrel, f.o.b. shipping point.

Would it not be possible-in fact, I know last year it would have been possible-for associations to have shipped their apples direct to some large consuming centre, and, by spending a few hundred dollars in vigorous advertising, to have marketed their whole crop straight to the consumer, thereby giving our friends in the cities a chance to enjoy the fruits of our orchards at the lowest possible cost? If, for instance, associations had loaded their apples in crates, as is being done largely in the west at the present time, and had their own representatives in Quebec, Toronto, Ottawa, or Montreal, they could have sold carloads every day at \$2 per barrel. This would have returned to the grower a reasonable amount for his fruit.

Cultural Methods in the Orchard"

I N the early days of orcharding in Ontario, the soil, rich in humus and undepleted of its natural resources, gave satisfactory crops of fruit with trees growing in sod. As time west on, with inter-cropping of hay and grain, the soil became depleted of its humus and readily available plant food, and it became more compact and less able to hold moisture, until the trees declined in vigor and productiveness.

Many of these orchards were stimulated into vigor again by breaking up the sod and adding fertilizers mostly in the form of barryard manure and giving cultivation through the growing season. This system, although it doubled the crop in many instances, gave unsatisfactory results in some cases. It appeared to extend the growth of the tree too late in the season and retarded the ripening of the wood and the trees were unable to endure the low temperature of winter without injury. Root killing was also observed on soils uncovered with vegetation when there is very little or no snow covering.

To obtain the good results of therough cultivation and eliminate, as far as possible, the unsatisfactory results mentioned, cultivation should cease at or near the close of the growing season of the tree and the land should be sown to some cover crop. The length of time that cultivation may be safely continued varies in different sections of the province, but a study of the growth of the tree and the temperature in winter are the two factors to be considered when deciding to cease cultivation.

The season of growth in most woody plants extends scarcely to midsummer; most, if not all, of our native trees cease growing very early in the season. This is no doubt the reason why they endure the winter so successfully. Trees that complete their growth early in the season and mattre their wood and terminal bud well are said to be "determinate" in their growth, while those of the opposite habit, like some of the Japanese plums, are said to be "indeterminate." It is, of course, apparent why plants of indeterminate growth are not hardy, as a rule.

It has been observed that practically all of our hardy apple trees are quite "determinate" in

*Extract from an address at the recent annual con

their growth, forming their terminal bud early in June. It has also been observed that the vigcrous growth of a tree can be prolonged past its normal period by excessive cultivation and fertilization.

The active normal growth of the tree is completed early in June. Then it settles down to ripes and mattree the newly mode tissue and store up plant food in its cells for the early forcing of leaf and flower the following spring.

In the colder sections of Ontario cultivation should cease at or about the time that normal growth is completed, say the early part of June, and the cover crop sown. For some time after this, the trees receive the full benefit of the cultivation before the cover crop has made sufficient growth to take up and hold the excess moisture and liberated plant food.

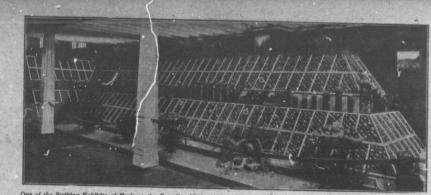
The cover crop to use is best determined by the character and the richness of the soil, and the vigor of the trees in the orchard. If the trees are growing slowly and the land is in a good state of tilth, it is advisable to use a nitrogenous crop, such as red clover or vetch, with applications of fertilizer. If on the other hand the trees are making a luxuriant growth and the soil is a heavy loam, some non-nitrogenous crop should be used, such as oats, tye, buckwheat, and others.

A good combination for most soils where the clovers do not make a good stand is six to 10 pounds Dwarf Essex rape and 20 poinds of common wetch to the acre. The rape should be cut in September, when the vetch will then grow to cover the ground for winter. A cover crop in connection with cultivation is valuable in many ways. It improves the physical condition of the soil, prevents hard or clay soils from cementing or puddling, and holds the rains or snow until they have a chance to soak into the land. It prevents, also, alternate freezing and thaving of the surface, adds humus that improves the chemical and mechanical condition of the soil and renders locked up plant food available.

Some unfavorable reports have come to my notice where cabbages or rape were used as a cover crop. In other cases the results have been very satisfactory, notably in my own orchard and at the Central Experimental Farm, Ottawa.



The Power Sprayer Came as a Result of Orcharding on an Extensive Scale. When the orchard consistent of a dosen or so as ple trees to the side of the farm house even a barrel agrager we consistence agreements. To shay will the orchard it many cases covering the whole farms and the manuel to the for days that Nature allows. The tower, shown on this sprayer in me has? Statement, Ort. and the towers to thoroughly cover large trees with the optical solution.



One of the Striking Exhibits of Fruit at the Canadian National Exhibition in Toronto Last September was the One Here Shown. Exhibit arranged by the Fruit Branch of the Ontario Department of Agriculture.

How the Grower May Increase Orchard Profits

G OOD fruit land is generally cheaper than rich or more level farm land that may be less desirable for fruit production. Proper fruit soil produces trees of good size, and fruits of best quality and in large quantity; thus reducing the relative cost of production. Proximity to market or shipping station, to reduce the cost of hauling, is an essential factor

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Where there is good air drainage or local elevation, spring frosts do not so often injure blossoms or tender buds or fruits, and thus there are more frequent and larger crops, resulting in relative cost reduction

Well-drained soil means healthy, vigorous trees. Wet soil means poor trees, and worst of all, apple tree diseases, such as root rot, collblight, and others. Instead of a good income from a fine crop on healthy trees money must go to replace dead ones, or there will be very serious loss that comes from leaving viacant places in the orchard. Wet orchards should be well drained; but the sconomy of dynamiting is yet to be proved in general, for we know where it has been very unsatisfactory.

Good varieties are quoted constantly in price above poor kinds. Compare to-day's quotations on Stayman Winesap, Rome Seauty or Baldwin, with those of Ben Davis, Smith Cider or Shockley.

Adapted varieties give finer fruits and larger yields than those not adapted to the region, and of course as these sell more easily and for higher. prices, they help to reduce the relative cost. A very important economic consideration is that it pays alf-commercial growers of a community to put their efforts into growing perfectly only those varieties (often but one or two) that are decidedly best there.

Healthy, young trees from reliable nurserymen mean ready, vigorous growth without stunting by transplanting, and large early crops, if properly handled. Trees not true to variety ordered may mean years of loss.

Plant at sufficient distance, and on the square system. The writer now plants all permanent apple trees forty feet apart and all others at twenty. This permits profits from inter-cropping, cultivating each direction, and the development of large trees with full crops.

Low-headed tops cheapen the cost of production by reducing the work of pruning, spraying,

"Extract from an address delivered before the members of the Niagara Peninsula Fruit Growers' AssociaBY PROF. H. A. SURFACE, PENNSYLVANIA

thinning and picking; and prevent heavy loss by wind falls, as well as mulch their own soil.

Reduce the necessity for expensive commercial fertilizers by growing legume cover crops. The writer uses chiefly crimson clover and buckwheat and harvests the latter. One orchard gave 84



A Sprayer to Fit Every Need.

such seems to be the motio of manuficotiverse of survey yumps and servey supplies. The small heared pump exables the farmer with a small orchard on the side. to be effective purying with a machine that represents an effective purying with a machine that represents an effective orchard we can't afford not to spray.

bushels of buckwheat this year. In another the crimson clover was sown with cow horn turnips, and we had a good stand of the former, with over one hundred dollars' worth of excellent turnips, without detrimient to the young trees.

Nitrogen, the expensive element in commercial fertilizers, is not needed where the legumes are grown in an orchard. We need buy only muriate of potash and acid phosphate, and need but little of these where orchards are comparatively young and occasionally cultivated.

Pruning can be done at any time of the year, if not too severe; and necessary severe pruning can be done at any time during the dormant season. Thus it is a "filler" job that can be done with economy when more important work is not pressing.

For cover crops we grow our own seed between the cultivated tree rows in the young orchards, and in any orchard that will not produce fruit that year.

A uniform head of symmetrical trees helps to maintain the income by ensuring fruit where otherwise there would be vacant spaces.

Plant varieties to ripen in succession, and thus keep the pickers engaged.

We spray as many times as are necessary, but no more. This is four (or at most, five) times in the year for pomes, and three times for drupes.

Owing to our low-headed trees the thinning is done easily and quickly, mostly from the ground, and chiefly by women and girls, thus greatly reducing the cost.

There is much less financial loss from fallen fruits from trees with very low spreading tops, because less droppings and less bruising.

Low trees permit economy in time and methods of picking.

Cooperative or wholesale buying of supplies and selling produce helps much in reducing the cost.

Our friends may expect us to recommend the elimination of spraying for the scale by the introduction of scale parasites (of which much recently has been printed), but we can not yet be sure that in all orchards they will do their work as thoroughly as they have in our own and in hundreds of others we have carefully inspected in Pennsylvania. It is surely worthy of careful consideration. We have discovered and published regarding certain entomological conditions, and have been criticised by a few who have been too narrow to understand or believe them, and of course by certain agents of scale-spraying materials. We have seen enough to give firm faith in the adequate reduction of the San Jose Scale by minute internal hymenopterous parasites. If any unprejudiced person will come to Harrisburg, Penn., and go with me to see a score or more of orchards that have been cleaned of San Jose Scale by the parasites, and then not agree that these natural agencies have been efficient in suppressing the scale I am willing to pay the expenses of the trip. Hence, our recommendation to "Reduce the cost of production by the application of modern methods."

FARM AND DAIRY

Dwarf Trees in a Commercial Orchard A. A. DERRICK, YALE-CARIBOO DISTRICT, B.C.

TN January, 1905, I met Mr. J. M. Robinson in Winnipeg. Mr. Robinson was manager of the Summerland Development Co., of Summerland, B. C., and, as he put it, he was down in Manitoba that winter selbing the "cream" of the property. Of course the cream of a proposition, such as Sir Thomas Shaughnessy, et al., were backing up, should be good buying, after the manner of "Shut-your-eyes-and-openyour-mouth" venture; as I was engaged in business in Winnipeg at the time, I decided to buy a lot from the Summerland Development Co., and let them plant and care for it a few years, until I was ready to get "Back-to-the-land." I did so, and did not visit my future fruit farm for two vears.

Of course I knew what had been planted on my lot. Peaches were all the rage then, and they were stuck in everywhere between the stan-



Dwarf Apple Trees Bear Early.

In the orchard of A. A. Derrick, Yale-Garibo B.C., dwarf apple filers yielded eight boxes o thans to the tree even years from setting. Th quality was O.K., the editor of Farm and Dai had an opportunity to sample them, can tes

dard apple trees as fillers. It was from them we were to get our quick returns. I had just come west from the O.A.C. at Guelph, and had some ideas of my own about planting an orchard. I had also been reading Bailey's "Fruit Garden" and Waugh's "Dwarf Fruit Trees."

Dwarf Trees Planted

When I visited my fruit farm two years later, I did not like the peach filler system, so I bought one hundred and ten half dwarf apple trees, that is, trees grafted on Doncin or English dwarf stock. An old O.A.C. friend was taking up residence in Summerland then, and he planted and took care of the trees for me. They were planted between the rows of standard trees and 15 feet apart. So far as I know, mine were the only dwarf apple trees planted at that time in the Okanagan Valley, as fillers.

Two years later, when I came to Summerland to stay, I was very much pleased with my dwarf apple fillers. They were all growing well except five McIntosh Reds, which had died. I do not know whether this variety does not take well to dwarf stock or not, but the other varieties selected are now not only thrifty, but the dwarf stock apparently produces a finer fruit than standards of the same variety.

Of course, one of the main objects in planting

dwarf trees as fillers is the tendency to fruit sooner than in the regular way. They are also much smaller than peach or other tree fillers and do not crowd the space too much. They require the same general treatment as standard apple trees, whereas a peach filler should receive quite different treatment, especially where irrigation is necessary. I have five, dwarf Spy trees, but I do not find much gained by using this variety on dwarf stock. My varieties are principally Yellow Transparent, Duchess, Gravenstein, and Jonathan,

Profits From Dwarf Trees

The year 1914 was the ninth for the standards and the seventh for the dwarfs, but so far my receipts from the dwarfs far exceed those from the standards, and the expense of handling is much less. This year I

picked eight boxes of apples per tree from my Jonathans and very rarely have I used a ladder in picking. The trees were a picture in them-



A Dwarf Apple Orchard in British Columbia

k, in planting his little farm to apples, followed som s,-he used dwarf apple trees as fillers. The row in the directly behind Mr. Derrick is of dwarf trees. In the

selves, and a source of satisfaction at all times. Were I planting another orchard and did not want to utilize the land between trees for small fruits or vegetables, I know of no other filler from which one could reap such satisfaction as dwarf apple trees.

the spray tank being cleaned out every night,

all the water being strained, and a screen kept

over the feed pipe to the pump. We filled the

spray tank about half full of water, then put in

our soluble sulphur, eight to 10 pounds to 40

Season's Test of Soluble Sulphur J. G. MITCHELL, GREY CO., ONT.

The Trappists are Good Orchard Mer

n Farm and Dairy's Poultry Ilustration of the colony poult

OME seven years ago I was induced to ex-S periment with what at that time was considered a new spray, lime-sulphur. As soon as I heard of this spray, I felt confident that it should soon do away with the troublesome bordeaux mixture. The professors at Guelph said that it was not safe to use as a summer spray, and practically forbade its use, but the splendid results obtained with lime-sulphurs over the old spray were so pronounced that the following season it was strongly recommended by growers and 'professors, and became the standard as a fungicide.

However, growers have been asking and hoping that some more convenient way of using the sulphur spray would be devised and we now have this in the latest form called "Soluble Sulphur." In my opinion it is just as much superior to lime-sulphur solution as

the matter is to the old Bordeaux spray.

In the way of convenience there is no comparison. I always used to dread the loading and unloading of the heavy, 600 pound barrels of lime-sulphur, and the men would nearly go on strike when asked to handle it. Two years ago I got the spraying done for about half what it cost the previous year. I used two barrels of the lime-sulphur solution and soluble sulphur for the rest of the spraying. As soon as we used the first hundred pounds of soluble sulphur, I could see there was no use asking the men to go back to the old spray. We had absolutely no trouble with nozzles clogging and never had a stoppage from the time we commenced using soluble sulphur.

Of course I insisted on

gallons. This was well agitated by the time the tank was filled. We put this spray on just as the buds were bursting, in fact on some trees the blossoms were nearly open. In the summer spray we used from one to two pounds to 40 gallons of water, putting the soluble sulphur in when the spray tank was half full of water, and adding arsenate of lead last, two and a half pounds to forty gallons. Doing it in this way there is absolutely no trouble. Where aphis appeared in our orchards we used nearly two pounds of soluble sulphur to 40 gallons for summer spray, and only about

where there was no aphis. Scab and fungi were controlled perfectly in all our orchards. I do not consider it necessary to use the mixture stronger than one and a half pounds to 40 gallons. except for aphis.

Our McIntosh Red apples were absolutely clean and beautifully colored; \$99 apples out of every 100 went into number one boxes. The Greenings were just as nice, having a lovely bright glossy appearance. If these varieties come out in this way there is no need to worry about others. We also had good results in fighting aphis, having practically no loss from, this pest, while in 1912, when we used lime-sulphur. our loss was well up to two thousand dollars.

It is now a recognized Al spray material.

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March 4, 1915

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The United Farmers of Ontario

First Annual Convention Held Last Week in Toronto-Over 2,000 Members Reported and 44 Branches Organized-Many Districts Awaiting Organizers.

"HE farmers of Ontaric are organizing rapidly to obtain a more equitable adjustment of social and economic conditions. This fact was revealed last week at the first annual convention of The United Farmers of Ontario, held in Tor-

The movement is destined to have a far-reaching influence. It was launched last spring at a largely attended meeting of farmers held in Toronto. The real work of organization did not commence until last fall. in the short interval that has elapsed 14 branches of The United Farmers' of Ontario have been organized, and 15 Farmers' Clubs, 13 Granges and two Farmers' Associations have been affiliated with the central organization. This makes a total of 44 local branches, with a membership of over 2,000 that are already affiliated with the central or provincial organization. In addition over 50 districts in Ontario have applied for speakers, These will be visited as fast as organizers can be provided. Within the next year the membership

should exceed 5,000 to 6,000 farmers, located in all parts of Ontario. No one acquainted with the movement ventures to predict what the final out; come will be. It seems assured, however, that if is destined to rival within the next few years the great farmers' movement in western Canada. That is the ideal that the officers of the organization have before them.

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The Farmers' Company But the foregoing is by no means all. Reports presented showed that during the past year the United Farmers' Cooperative Co., Ltd., which had been organized by The United Farmers of Ontario, had conducted a large business and that it was helping to bind the branch organizations into a strong compact whole. A full report of the annual meeting of the company is published on page 8 of this issue.

Spirit of the Convention

The spirit of the convention was expressed by Secretary J. J. Morrison, when he said: "The farmers of Ontario are ready to do their duty. We realize at last that every industry is organized except ours. Other industries have been beating us out be-

cause through their organization they have sifted out their best men, many of them originally from the farm, who are promoting their interests, in many instances, at our expense. We realize this now and are ready to work to uphold our own interests. Our organization at first may be imperfect but we intend to perfect it and to effect a great improvement in conditions at the earliest possible date."

One of the striking statements made was expressed by Mr. Gordon Waldron, editor of The Weekly Sun, who pointed out that the farmers of Ontario are steadily losing their influence in national and provincial affairs because of the rapid increase in rural depopulation. In 1872 there were 10 farmers in Ontario to every 3% of the urban population. In 1882 there were 11 farmers to every 6 city dwellers. In 1911 there were only 10 farmers to 13 denizens of the city. Thus the farmers of Ontario are in the minority, and their numbers are rapidly growing less,

Keen Interest Manifested --- Important Resolutions Passed --- Members Show a

Determined Spirit to Succeed.

while the cities continue to grow in influence and power.

The subjects discussed covered a wide range. As one speaker put it, "The Farmers' Institute has done a good work in increasing production, but it has gone only about half far enough. There is a wide range of subjects that we are not permitted to discuss at Farmers'. Institute meetings, but which we are now finding are of vital importance to farmers. We are free to discuss these subjects here and we must be prepared to do so free from party spirit and with a determination to see that we become strong enough to insure both political parties paying attention to our desires." This seemed to be the point of view of the between 200 and 300 dele-gates who were in attendance. Subjects political in character were discussed but they were not

number of important resolutions relating to these and allied subjects were passed. These are published in full on page two of this issue. Much pleasure was felt over the presence a: the convention of Mr. J. B. Musselman, secretary of the Saskatchewan Grain Growers' Association, who spoke on several occasions, and of Mr. J. S. Woodsworth, of Winnipeg, the secretary of the Canadian Welfare League.

President's Address'

President E. C. Drury of Barrie, made a striking and effective presidential address. "We are told to produce more," said Mr. Drury. "Personally, I cannot see how we can accomplish Lack of labor and lack of capital stand in the way. What can the nation do? Just this: Let it not give artificial aid but remove artificial restrictions. The farmers stand ready to produce more, but we must be set free. There is no other industry in this country that could exist for six months under the restrictions agriculture has faced for thirty years. What we need

is not to be told our business, but to be given just a little economic justice. The remedy is simply to disburden us."

Farmers, Mr. Drury said, are unable to pay the wages set upon farm labor. He urged more definite and practical cooperation with the cutting out of the useless middleman. The useful middleman, such as the local storekeeper, had a very necessary part to play, as he did not come in the "useless" class. "I look forward to the day," said Mr. Drury, "when we will have in every city distributing points. to distribute direct and at no more than cost our farm products to the ultimate consumers."

Mr. Drury made a great hit when he suggested that the government might profitably institute a campaign of education for the benefit of the editors of the big city dailies, who he thought would profit could they be placed on farms for a few weeks and given a practical first hand acquaintance with farming conditions.

Speaking of the recent increase in the tariff, Mr. Drury said that he

did not believe it was likely to improve agricultural conditions. The existing conditions which have brought about the great decline in rural depopulation have grown up during the last 30 years under the present high tariff, which has been maintained hitherto by both political parties. "For my part," said Mr. Drury, "I cannot see how a further dose of the same medicine is going to improve matters. Instead, it seems to show a lack of knowledge of the fundamental causes of existing conditions on the part of the government."

While making it clear that farmers are workingmen themselves and therefore are in a position to sympathize with working men in the cities, Mr. Drury denounced all such attempts on the part of city municipalities and the government to create work for the unemployed as building concrete highways from Toronto to Hamilton and conducting unnecessary public work and paying the working men a minimum of 25c an hour. He said that such action would

(Continued on page 12)



Directors of the United Farmers' Cooperative Co., Ltd.

Diffectors of the United Farmers Couperative Constant and the Couperative Couperative Couperative Couperative ast week in Toronico, especially for Parm and Dairy are New C. Coup. In the from ow, from left to right, are shown B. C. Durry Barrie W. C. Couperative Corrison. Arthur, Ont. (the scoretary): Annon Grob, Presion (president) and govern amager): George Catalaw, Warkworth, Scoond rows B. A. Beck South Courges, isa avrence Schnury, Park Inew C. E. Birkett (with glassed, Toronic (the treasurer) and). Forest, Ont. This company hand result for the science of the inner annuary alone. A report of its operations is published on Page 8 of this amus man). Forsch

handled in a party spirit. both political parties were praised and condemned for various acts. Thus the gathering showed its independence of thought.

Character of the Gathering

The delegates were from all parts of Ontario, from Glengarry County in the east, to Essex County in the south-west, and the Temiskaming and New Ontario districts in the north. Bruce county was particularly well represented. Delegates appeared to be present from most of the counties of the province. Most of them represented local farmers' clubs and subordinate granges and used their note books freely in order that they might return with full reports for the members of local organizations.

Subjects Discussed

The dis. entred mainly around tariff matters as mate to the farmer, the Madein-Canada canada improving the methods of organization, the tax burden carried by farmers, and the proposal to tax land values. A



SYDNEY BASIC SLAG

To get the best results out of your land you must use Fertilizer. Practically every farmer now realizes this. The question then is what is the best Fertilizer to use. Hundreds of the leading farmers in Ontario have used Sydney Basic Slag during the last two years and have got as good results as from Fertilizers costing from \$10 to \$15 per ton more money. If we have no agent in your district we will send you a ton direct from the factory for \$20, delivered free at any Station in Ontario, cash with order.

Descriptive literature on application to

The Cross Fertilizer Co., Ltd. SYDNEY, NOVA SCOTI/.

AGENTS WANTED IN UNREPRESENTED DISTRICTS

BURLINGTON

Steen Truss Barns Ontario Farmers Prove Good Business Men

The Annual Meeting of The United Farmers' Cooperative Company. Limited-A Large Business has Been Done-Encouraging Reports Presented-Extension of the Business Advocated.

MARKED success has attended the efforts during the past year of The United Farmers' Coop-erative Company Limited. This the company which bids fair ere long the company which bids fail etc. Jug to become to the farmers of Ontario what the great Grain Growers' Grain Company, of Winnipeg, has been to the grain growers of Western Canada

A year ago when it was decided to organize the farmers of Ontario into an organization to be known as The United Farmers of Ontario, it was United Farmers of Ontario, it was also decide to form a company to be known as The United Farmers' Co-operative Company Limited. This company was to assist the local farm-ers' clubs, subordinate granges and other farmers' organizations affiliated with the United Farmers of Ontario in the purchase of their supplies. It was hoped in this way to eliminate some of the profits of the middlemen, and to enable the farmers of Ontario to save thousands of dollars a year through cooperative effort.

On Wednesday night of last week On Wednesday night of last week the first annual meeting of the com-pany was held. It took place the evening before the annual convention of the United Farmers of Ontario. The room was filled with shareholders of the company, who were in at-tendance from practically all parts of Ontario, including New Ontario. These shareholders were anxious to find what the company had been do-ing during the past year. At the close they appeared to be thoroughly satisfied with the reports presented.

Financial Statements

The reports presented showed that for several months after the company was organized last March, the officers were kept busy obtaining their sharter, adopting their by-laws, preparing for the business to be done by the company. The real business of the company. The real output of the company did not commence untill fail. In September, so ies amounted to \$827, in October to \$6,256, Novemto ber, \$8,214; December, \$17,970; and January to \$34,761. February's sales will show a large increase over those of January. Thus it was shown that e sales of the company had doualmost every month.

INCREASE YOUR PROFIT'S BY SPRAYING USE ONLY THE BEST SPRAYS

SOLUBLE SULPHUR

The Scientific Powdered Spray Convenient and Economical Safe and efficient. No leaky Barrels-No waste-No freez-Barrels-No Keeps indefinitely-Sticks ing. Kee like Paint.

DON'T PAY FREIGHT ON WATER See our special Bulletin on Soluble Sulphur. Let us show you what thousands of Ontario's best Fruit Growers say of Soluble

LIME SULPHUR

The clear and reliable Solution -Highest in Baume test-Uniform-The Pioneer Brand-Old and Reliable.

ARSENATE OF LEAD

The kind that mixes easiest. Highest Analysis in Arsenic-Kills best and quickest. It sticks and does not burn foliage. Guaranteed.

Sprays That Have Quality-Niagara Brand

Niagara Brand Spray Company, Limited

SPRAY PUMPS The kind that have powe BEAN PUMPS are famous for

capacity-Pressure Durability Efficiency and low cost of main-

THE DUPLEX leads all Power Outfits in these necessary re-

LITTLE CIANT-Most Power-

Ask for Catalogue

MACIC No. 9.-Largest Hand

ful Barrel Pump.

ONTARIO

Owing to the long period during the first part of the year, when it was impossible for the company to do business, the company was imable to show cear profits on the year's op-erations. During the month of De-cember, however, it came within \$25 of meeting its expenditures. In January it showed profits of \$181 on the month's operations. For the five months from September to January inclusive the loss on current expenses amounted to only \$216. As the volume of business increased the ex-pense of doing business had decreas-ed from over three per cent. in October to less than one per cent. in Janu-ary, notwithstanding the fact that cousiderable of the expense was chargeable to organization work President's Report

March 4, 1915

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President's Report The meeting was presided over by the president of the company, Mr. W. C. Good, B.A., of Paris, Ont. Al-though a busy farmer, Mr. Good bas devoted much of his time, during the past few months particularly, to the affairs of the company. In his pre-sidential address, Mr. Good pointed out that the company had had great difficulties to conteal with. One of these was the difficulty of obtaining trained men for positions of responsi-bility. Men were required who were Men were required who were not only skilled in the special work which they had to undertake, but who also understood the true principles of cooperation and who were ready to

give unselfish, zealous service. As a means of strengthening the work of the company, Mr. Good sug-gested the conduct of a campaign of cooperative education through the agricultural press, the issuing of an official organ or bulletin intended to give information and inspire the local the stimulation hes and the local branches.

Good pointed out that the local associations have two difficulties to contend with, first the question of arranging methods of financing, and second the question of warehouses. He thought that the central company should endeavor as far as possible to assist the local branches in overcom-ing these difficulties. In conclusion, he pointed out that the chief benefit derived from the cooperative move-ment was in the development of character which enabled men to work together harmoniously and unselfishly for their joint interests. Directors' Report

The report of the Board of Direc-tors was presented by Mr. Anson Groh, of Preston, the first vice-president. The report stated that the business of the supply department was in a very satisfactory condition, and promised that before long a large and promised that before long a large part of the indebtedness incurred in connection with the work of organiza-tion, would be wiped out. In part, the report read as follows: "We are com-ident that with our perfected organ-ization we shall have added business in other lines such as binder twine in other lines such as buildt the sheet metal goods, fencing, fertilizens implements, vehicles, seeds, etc Therefore, if we do nothing more than confine our altention to those lines for which we have already rade arrangements, our prespects are most gratifying, and if a follow up the work we have commenced and in ad-dition give some attention to the sale of farm produce, our usefulness should greatly increase."

'Up-to-date we have not been able to give sufficient attention to the sell-ing end of our business. Either more capital will have to be subscrib-(Concluded on page 24)

Ont: rio Farmers' Views on Public Issues (Continued from page 2)

government in raising a portion of the revenue by a dire" tax was en-dorsed, because it will. Is the pub-lic to see how the money arised and how much, which would not be the case were indirect taxation levied. The following resolution was therefore passed

passed: "Resolved, that we, the organized farmers of Ontario, view with pleas-ure the courage of our provincial -tressarer in recommending a direct tax to meet our provincial requirements

"While much has been said against direct taxation, it has, nevertheless, much more to commend it than many of the indirect systems of taxation which have been employed to produce a revenue; and we, as the organized farmers of Ontario, desire to be placed on record as being heartily in favor of any direct equitable form of direct taxation.

"We believe, further, that as an emérgency measure, a more generous contribution to our provincial revenue might be had from a graduated in-

Railway Bonuses Denounced

"Resolved, that in the collective judgment of this body representing in annual convention assembled. The United Farmers of Ontario, that the policy so largely pursued in the past half century of granting governmental assistance to private interests to assist assistance to private interests to assist in the construction of railways, is pernicious, and against the best in-terests of the people as a whole; "And, further, that we urge upon our governments, both Dominion and

Provincial, that no further aid of any

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Provincial, that no further aid of any kind be granted to private individuals, corporations or companies, in the construction of rain vals. "Resolved, further, vin: copies of this resolution be sent to Sir Robert Borden, the Hon. Frank Cochrane, Minister of Railways, and Hon. Mr. Hearst, Premier of Ontario."

Let Cottonseed Meal in Free

Let Cottonseed Meal in Free "Thasmuch as the importation of cotton seed meal is subject to the re-strictions of the dumping clause of the Canadian customs tariff, as though such meal were manufactured in Canada, although such meal is nor and cannot be manufactured in Can-ada. Therefore be it resolved that is the ascertained if the interpretation of the customs regulations restricting this importation is correct that steps interpretation is correct that steps

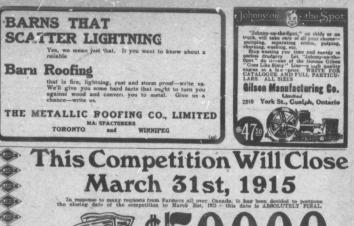
"Further, be it resolved that if such interpretation is correct that steps be taken to alter the regulations. "Further, inasmuch as a tax is be-ing imposed upon cotton seed meal, when such meal can but stimulate the production of live stock at this need-ed time, therefore, be it resolved that the attention of the accommentate the attention of the government be called to the matter and that the government be respectfully asked to leave cotton seed meal free of duty."

Changes in Train Service, Cana-dian Pacific Railway Effective March 8th, 1915

Literity maken bin, 1918 Train 606 leaving Havelock 830 a. m., arriving Peterborough 3.17 a.m., and train No. 606, leaving Peterbor-ough 6.30 p.m., arriving Havelock 7.18 p.m., will be withdrawn. On and after effective date, above trains will runs. only between Peter-borouch and Port McKicholl. Particulars from Canadian Pacific Ticket Agents or write M. G. Mur-phy, District Passenger Agent, Tor-onto.

Don't think you can buy cheap food with good flavor. If you buy bran at \$2 less because of mu tiness, you lose \$4 or \$5.-J. H. Stisdale,

FARM AND DAIRY



The above sum is divided into eleven (11) prizes, as follows:

First prime-5100 00 in cash, Second prize-350 00 in cash. Third prize-350 00 in cash. Fourth, fith, and sixth prizes-51000 in cash each. Seventh, Bighth. Ninth. Tenth. Eleventh prizes-5500 cash each.

In addition, the winners of the first, second and third prizes will receive a further prize of one hundred dollars (\$100.00) e.ch. provided they purchase a new McLaughlin Corr suring 1915.

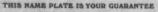
No entrance fee whatever. Any Farmer, Dairyman. Market Gardener, Stockman, or any member of their family, or any person actively and legitimately engaged in Agriculture or resident on a Farm is eligible to win a grand cash prize.

McLAUGHLIN CARS

are built in Canada, by a Canadian Company with over forty-five years' experience in successful which monu-

Each Car is equipped with the famous McLaughlin Buick VALVE-IN-H'AD MOTOR, noted for its Silence, Economy and Power.

The literature describes these cars in detail and will gladly sent on request



1915 **<u><u><u>CLAUCHI</u></u>**</u> CARS

McLaughlin Carriage Co, I

All residents of towns and cities absolutely barred. The prizes are offered for an article giving the best teons or arguments

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"WHY AN AUTOMOBILE IS PROFITABLE TO A FARMER."

There are absolutely no strings attached to this con test but we want to know the views of people on farm who would like to have an automobile or who have one The judges will be:

Mr. John Weld, proprietor Farmers' Advocate, London, Ont.

Mr. George Bertram, Vice-President Canadian Farm, Te

F. Albany Rowlatt, Advertising Specialist, Toronto.

Mail your essay as soon as possible, but not later than March 31st, 1915

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10 "Pass	C25 Touring Car, 28 H.P., 4 cylinder motor, Sinch wheel base, \$1,258, Lo.0. Oshawa. ed and approved by the Canadian people."
McLaug	Chlin Carriage Co., Ltd
I wish	h to enter my name as contestant for your ompetition.
Name	
Add	Ireas
	Province
	Occupation
	Peterboro Farm and Dairy, March 4th.

FARM AND DAIRY

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No Duty to Pay Made in Canade HEARD SPRAMOTOR CO. 2225 King St., LONDON, CAN.

Progressive Jones says : "Be Sure to Use Well-Mixed Fertilizers"

NE day a man said to me, "Jones, why don't you tell the farmers to be sure and use well-mixed fertilizers ?"

Well, I thought I had done so, but perhaps I didn't do it often enough. You see, friends, it's important to use well-mixed fertilizers. Otherwise, your fertilizers will be strong in some places and weak in others, and crops fertilized with it will show uneven growth. Now, I've been at The Ontario Fertilizers Limited's factory and have seen



being mixed. I have never seen a more thorough job. Every pound of the fertilizer is in exactly the right proportions. And the fertilizer is finely ground and in good dry condition. It is in the very best possible shape for use on the field.

Remember, friends, that cheap fertilizers are poor investments. You need the very best you can get. And if there are any better fertilizers than Harab Fertilizers, I don't know their names.



The Ontario Fertilizers Limited, West Torontop Canada

Fertilizers are preferred by many farmers. They are excellent, well-mixed fertilizers. The Ontario Fertilizers Limited will supply you with either

DAVIES'

Seed Sowing in the Vegetable Garden

A PART from enriching the soil, A part from enriching the soil, firm seed-bed. This is absolutely essen-tial for success. Beyond a fine firm level seed-bed, a sufficiently dry soil to admit of implements being used without ologging is necessary. Sowing in a pasty soil means failurd. in a pasty soil means failure.

in a party soil means failure. The depth of swing of seeds is re-gulated by the necessity of covering them with just enough soil to keep them moist, without preventing free access of the oxygen of the atmos-phere, so that the thickness of cor-ering depends on the aize of the seeds and the porosity of the soil. Too deep sowing is very injurious. The deep sowing is very injurious. The finer and moister the soil, the shallow-

The particle are very injurious. The form and moliser the solid like shallow-for mark moliser the solid like shallow the solid like the particle solid like the solid like solid like the solid like solid like the solid like solid l

Moisture of Germination

Meisture of Germination A continuous supply of moisture is requisite for germination. If the soil is loose of tumpy, vaster cannot rise to the seeds by capillary attraction, and they may not be in close contact with the soil, so that the seed-bed should be the soil so that the seed-bed should be then soil over seed of turning down the soil over seed of turning down after sowing. As this firming down after sowing.

of the soil enables water to rise freely from the sub-soil, it is important to restore the loose surface-mulch by tillage directly the seedlings have ap-

The new and-son, it is a unpertaint to sender the analysis of the sender of the sender

artificial fertilizer in the drill is de-diddly riky. Sowing in lines by means of a drill saves time and labor, greatly reduces the cost of after-tillage because ad-mitting of the use of wheeled imple-ments, and ensures better preparation of the land, since a drill cannot be worked in lumpy, ill-prepared soil. Seed-beds and seeds sown in frames and pits require lightly ahading dur-ing the heas of bright days; especial-by during late spring and in summer.

Shall the Producer Retail His Fruit? Prof. J. W. Crow Answers in the Negative

Prof. J. W. Crow Am Torganisations going into the relation reganisations going into the relation statute of the relation of the originations going into the relation with a scheme of distribution to ho orither desirable or practicable. Pro-duction and scilling are two different type of men. To see fruits for which the producer receive less than \$1 a barrel sold at \$2 to \$8 looks like a big prizes on any product. The expense of distributing farms products at least is in the retailing. The profits of the producer the science and and origination of the selling prizes on any product. The expense of distributing farms products at least is in the retailing. The profits of the producer the science and and the science and the selling prizes on any product set least is in the retailing. The profits of the producer the science and and the science and the selling of the science and the science and the science and the prize departmental stores, and they do it by virtue of a great turn over. There are over 1,400 fmit stores in Toronto. How many could be siminated by a better system of basi-ses of How many average fruit stores in would it erguing the do as much basi-ses of How many average fruit stores in the science and the similar science and the science are science and the science and the science and the science and the science are science and the science and t

eliminated by a better system of busi-ness? How many average fruit stores would it require to do as much busi-ness as Eatons? There are too many men in the retail business. It is an easy business to get into and the ro-tailers are crowding it to the limit and at little profit to themselves. We must eliminate more of thess unneces-sary retail dealers who must have a large margin of profit in order to live. live

This is a problem for the consumer This is a problem for the consumeration of the weak of the second signal and the second signal and the second signal and the second sec day, however, our ciric governments will take up the question of market-ing and realize that it is a public question. Then prices will decrease and consumption increase.

swers in the Negative The grower follows this apples through his cooperative organization to the wholesale market. that we can effect a arting in the side of putting the apples on the market. The rest is on the consumer's side of the fence. We cannot influence that events in othey consumer's side of the fence. We cannot influence that events in apples in cortain quantities will be available the next work, and that evertain apples should enter into consumption at that time. For in-stance, we could advise the consumers that winter apples, unclean the Side statice, we contra survise the consumers that winter apples, such as the Spy, should not be consumed in the fall. By keeping consumers informed in this manner we would increase consumption.

Here is a hint from the world of business. On extensively advertised products the gracers may be advertised advertising our crops. I don't believe that we can reach the consumer by lowering the price on our a ples. It takes a drop to the farmer a long time to reach the consumer. Supply, demand and value of the product de-termine its price. We can increase the retail dema d by advertising. Otherwise let us lew retailing alone Otherwise let us leave retailing alone

So far as rural municipalities are concerned the firmers themselves must see to i. Liat a policy of wise economy is maintained. There is grave danger that the credit of these municipalities will be exploited for the reckless extension of electric rail-ways and automobile roads. This we are not vigilant, the forces wid-have exploited almost every source of Canadian credit in the pass will en-deavor to exploit the credit of the rural municipalities, as yet relatively unimpaired.-W. C. Good, Brant Co., Ont. Ont.

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JNO. 17 Jarv

Davies' or Harab brand. Just state your preference. Also ask for either the Harab or Davies' Fertilizer booklet, Either is free on request.

10



Won 1st, 3rd, 4th and Special on three entries at Canada's largest show at Guelph. We have a choice let of pens mated for this season's trade.

Eggs at Reasonable Prices Write for Mating and Price List W. E. PAKENHAM Drawer 10 NORWOOD, ONT.

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

BEULAH FARM WHITE WYANDOTTES-America's greatest laying strain. Win-ners at the principal International Reg Laying Competitions. Illustrated cata-logue free.-Moleod Bros. Box D. Stoney Oresk. Ont.

FOR SALE-Stook and Eggs for hatching Houdans. R.O. and S.O. Minorons, Barred Rocks, all from our prisewinning and bredt-loigy strains. Also Bred-to-lay White Leghorns.-O. Day, Highgate, On.

EGGS, BUTTER LIVE POULTRY Bill your shipments to us by freight, Ad-vise us by postal and we will attend to the Egg Cases and Poultry Coops af lied Wm. DAVIES Co. Established 1854 TORONTO, ONT.

SWEET PEAS Should be planted soon; we get ours to bloom from June till the end of September! All Ganadian grown seed, gaaranteed true to color and over 5% geminate. Analy varieties not yet on the market, some having double stand-the market, some having double stand-list of the colors and varieties NOM. "OTAMOT"

"OTAMOT" A new variety which is undoubtedly the finest easing tomato in America. A very heavy bearer of perfect fruit and a make the variety of the second second Send postal HIGHT AWAY, for full particulars, and don't be too laise for our COMPETITION. HILLSIDE FRUIT FARM, SIMCOE, ONT (Dept. 8)

Strawberry Plants

Orders now taken for well trimmed plants from pedigreed stock : Senator Dunlap, Haverland, Parcons Beauty. Prices right. THE LEAVENS ORCHARDS Howard Leavens Bloomfield, Ont

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Seasonable Poultry Pointers

Geo. Sin lair, Ontario Co., Ont. Early hatched chickens are the best fall layers. We can overdo the earliness. February chickens start to lay too early. I find that when

to lay too early. I find that when they lay in August they are then ready for the fall moult and eggs cease, for a period. March chickens will keep on laying all winter. Pullets that have been forced in their growth lay earlier than do those who have been given free range and plain food. I prefer the latter me-thod. Early chickens on free range develop big frames and make great winter layes. winter layers.

One disadvantage of the incubator on the small farm is that all of the hatch for the season may be had at



A Substantial Chicken House

Originally it was the base of a substantial tree such as grow only in British Colum-bia. Mr. H. Allister Thompson, one of "Our Folks." has extended its user/unres in the novel manner shown in the illus-tration.

one running. All of the pullets are of an age and start to lay together. Likewise they stop together. If one has a regular trade demanding a regular supply of eggs, it is better to have pullets of different ages that will even the second start of the second start will be the second start of the second start will be second as a second start of the second start will be second as a second start of the seco have pullets of different ages that will provide a constant supply of eggs. It is for this reason that I prefer to hatch in small lots by the natural method than at one running in the incubator.

I force feed my late hatched chickens and fit them for market, pullets and cockerels alike. Late pullets will not lay till spring and it is not pro-fitable to feed them all winter to get cheap summer eggs in return.

Sex in Geese

<text><text><text><text> tinguishing sign.

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The heavy weight among Fences is the "Ideal." All the wires are full gauge No. 9 hard steel wire, and each and every wire is heavily but evenly galvanized. Weigh it and others. The scales will prove the most weighty argument we can offer for Ideal Fence. The more closely you examine I deal Fence and weigh the facts the more firmly convinced you will be that it is the fence to buy for a permanent investment. Why not have a continuous chain of steel around your farm by erecting Ideal Fence on Ideal Steel Fence Posts. A postal with your mane and address will bring you our catalogue No. 5, giving valuable Fence information and reli-ing you more about Ideal Send for it today. It only and cuntains infor-you many dollars

The McGregor Banwell Fence Co., Limited

Walkerville, Ont.



This Free Book Will Save You Money

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(12)

It will start you on the right road to profitable poultry raising. Show you how to obtain the experience of suc-cessful poultry raisers. How to build your own broaders at small cost. The best Hover. The kind of feed to use for growth and winter eggs, and "Rea-sons Why" the guaranteed

Prairie State Incubators hatch the greatest number of strong, healthy "chicks that live." It tel you where you can dispose of all the poultry, eggs and butter that you ca produce, at the highest cash prices. "Write for the Book today Gunn, Langlois & Co. Limited 15 St. Vincent St., Montreal



The United Farmers of Ontario (Continued from page 7)

only tend to draw working men away from the country to the cities and thereby aggravate ra'her than solve the problem of unemployment, while at the same time increasing the burden on the farmer and making it more den on the farmer and ming it mode difficult for him to obtain farm help and thereby enlarge b's production, as he was being advised to do. "Our chief hope," said Mr. Druty, "is in meetings of this kind where we can come together and discuss our pro-blems, come to sane conclusions and promote effective remedies."

City Distributing Centre

In answer to a question as to what the central organization was doing towards establishing a city storage plant to which farmers could consign their produce for sale, Mr. Morrison replied that nothing had been done beyond finding that it would be possible to rent a cold storage plant if required. He said that he hoped The equired. United Farmers' Cooperative pany would be able to deal with the

pany would be able to deal with the matter during the coming year. Mr. W. D. Smith, of Orono, said that Torono should be urged to es-tablish a municipal market where goods could be consigned for sale, and where householders could pur-chase, and if necessary store goods in cold storage at a reasonable charge until required. Mr. R. H. Halbert of Melanchton,

who announced himself as being a Conservative, and who later was elect-ed president of the organization,made a stirring appeal to the delegates to stand together irrespective of party politics. "Talk about patriotism," politics. said Mr. Halbert, "it is not patriot-ism to let combines and mergers, the railways and protected manufacturers plunder the people. Our govern-ments have given \$50:00 to the rail-ways in bonuses for every dollar they have given to agriculture. The time has come when we should realize our condition and march up to the front door of parliament and obtain the legislation that our industry re-

Retaliation by Railways

Details of cooperative purchasing of cottonseed meal at a saving of six dolhars per ton to the users, were given by Mr. Cohoe of Norwich. Mr. Cohoe stated that when the Dominion Railway Commission granted his firm tebate of two cents per hundred-weight which the railways had un-lawfully collected on imports of cottonseed meal, the companies immediately retaliated by increasing the freight rates on this article by two reight rates on this article by two cents per hundredweight. When his farmers' club had been instrumental in importing some cottonseed meal from the southern states the local dealer had induced the government to send an official to inspect it in the hope that it might be condemned on the ground of quality when the high tariff wall had not kept it out

Secretary's Report

The financial statement of the as-In a number of the secte-tary-treasurer, J. J. Morrison. It showed receipts from membership fees of \$52.75, with no disbursements, leaving a balance on hand of \$52.75. The assets included the cash-on hand and fees due from branch associations estimated at \$436, or a total of \$488.75, with no liabilities. Officers Elected

Officers Elected The following officers were elected : Hon. Pres., E. C. Drury, Crown Hill; Pres., R. H. Halbert, Melanchton : Ist Vice-Pres., A. J. Reynolds, Sol-ina; 2nd Vice-Pres., B. C. Tucker, Harold; Sec-Treas, J. J. Morrison, Arthur; Directors: W. H. Hunter, Varney; Gordon Salisbury, Camp-bellford; E. A. Varney, Autus-ville; R. H. Johnstone, Omemee; F.

Gardner, Samia; Auditors: T. H. Adams, Essex; J. F. Breen, Melancha ton.

Taxes on the Farmer

An impressive address on the sub-An impressive address on the sub-ject, "War Time Revenues and the Farmers' Relation Th.reto," was given by Mr. A. W. Roebuck, of Tor-onto, Mr. Roebuck showed from municipal and governmental figures that municipal, provincial and Domis-ion taxes on each individual in Canade ion taxes on each individual in Canada amount to \$37 a year, or in the case of a farmer's family, consisting of five people, to \$186 a year. Many of these taxes are paid without our real-izing how they are paid. For instance, every time a fargmer enters a store every time a fagner enters a store and purchases a protected article, he may be paying anywhere from a few cents to several dollars in taxes either to the Government or to the protected manufacturer, these taxes having been added to the cost of the article by the importer or manufacturer. The average Canadian tariff soft the about 48 per text. The average 1.1 Canadian to 1013 was \$1,105,000,000. On most, if reat all, of these articles the protected

1913 was \$1,160,000,000. On most, if cot all, of these articles the protected manufacturers in Canada were able to charge the public more because of the protective tariff. If they were én-abled to advance their price by only abled to advance their price by only 20 per cent, the additional burden on the family amounted to \$185 a year. This money all goes to the protected manufacturer. This made a total of \$395 per family in taxes paid by the average farmer's family in a year. Mr. Roebuck condemned both political with the situation fairly, and praised the farmers of western Canada for the outspoken stand they have taken on uriff questions. In conclusion, he tariff questions. outspoken stand they have taken on tariff questions. In conclusion, he contended that were a tax placed on land values it would tend to lift a great burden off farmers, because the most valuable shand is all located in our urban centres. Land Values Discussed Following Mr Readwick, address

Following Mr. Roebuck's address, an interesting discussion took place on the question of taxing land values. Mr. J. W. Bengough, of Toronto, advocated the taxation of land values, which he stated were the great-est where population is the thickest and lowest in country districts where population is scarce. The other side of the case was presented by Mr. population is scarce. The other side of the case was presented by Mr. Gordon Waldron, editor of the Week-ly Sun, Toronto, who contended that the taxation of land values was impractical, that it was heling pushed by a few extremists. These men, he by a few extremists. These men, he said, would get the farmers' organi-zation into difficulties and discredit with the public were they to induce it with the public were they to induce it to endorse the principle of the taxa-

with the public were lary to mouse a tion of land values. The second second second second second second large second seco

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tional tax on land values. By means of a blackboard Mr. Cowan showed how land values are created by a community, and not by he individual, and therefore properly belong to the community. He showed hat every time farmers shipped their produce to Toronto to buy articles produce to Toronto to buy articles creating land values in Toronto and (Concluded on page 16)



In Ontario Government Bulletin No. 206. entitled "Dairying on the Farm." this advice is given: "In choosing a separator it is ad-visable to select one that is simple in construction, strong, durable, with reasonable care, and having all parts, which come in contact with the milk, easily washed."

The writer of this Bulletin might eadily have had the

Standard

cream separator in mind for he chose three of the points on which the standard is unbasishe. The simpli-triumph. The durability is insured by use of the hichest grade materials, sent manufacturing methods, rigid inspections running tests at he factory, polask oil system, etc. Its boyl and diges con-tain no crevices or places that are howly and diges con-tain no crevices or places that are boyl and these the methods are at sea our of the trick at he flowers.



March 4, 1915



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FARM AND DAIRY

The Community Beautiful

The community Beautiful The releasers of Calhon Co., Mich., have a suggestion, the adop-tion of which would also bring in a nice little revenue to the government. Several thousand of them have aigned a petition asking that \$1,000 be appro-priated each year for the planting and care of fruit trees along be highways where state reward roads have been by the Central Fruit chosen or used by the Central Fruit Cosen or de-cation, the Inortical Society and the Battle Creek Chamber of Com-merce. merce

merce. There are now 112 miles of these roads in Michigan. The repair gangs that are at work keeping the toads in condition could also care for the trees and fruit along the highways without testis supernee to the county. The protect the sides of strong out and only growing, but would in the surrour growing, but would in the same erosion, but would in the same of living companignable. companionship.

Save Your Wood Ashes By A. R. Whitson

Don't waste wood ashes. Apply

Mon't waste wood asnes. Apply them, as produced, to acid soils. Wood ashes contain a large propor-tion of lime which makes them of value in correcting acid soils. Often times land intended for clover or altime sond intended for dover or al-faffa can be better prepared for the crop by a top dressing of fresh wood ashes, either hard or soft wood being equally satisfactory. Such a treat-ment will be of especial value on marshy and sandy soils.

marshy and sandy soils. If not allowed to lerch out wood ashes are also rich in potash and so form a home source for a much need-ed alement. Practically all of our potash aupply has been imported into this country from certain of the countries of Europe now at war which fact has caused considerable concern with many here who purchase in large unantiles.

Whether or not it will pay to a Whether or not it will pay to use askes for agricultural purposes de-pends upon the distance they have to be hauled. When buying askes the purchaser should satisfy himself that the makerial is neither adulterated nor. full of coal residue.

Easy Method for Asparagus Growing

Samuel Armstrong, Peterboro Co., Ont. Asparagus is the earliest and one of have, and it should be grown much more extensively than it is. The have, and it should be grown mach more extensively than it is. The trouble in growing asparagus in the ways ordinarily recommended is to keep down the grass. Until recently all 1 have ever read in farm papers and seed catalogues on the subject was to plant in rows and give clean cultivation. This method is all right for the market gardnener, but the far-mer must have an easier way. For shoul 25 years we grow as

mer must have an easier way. For about 25 years we grew as-paragus with but fair success until two years ago, when we oversed the bed with a heavy coast of coarse man-ure in order to smother out all grans. The result was that last apring and summer we had a crop of the finest bits and applications of the second bits and a provide the second bits and the second bits and a provide the second bits and the second bits and a provide the second bits and the second bits and a provide the second bits and the second bits and a provide the second bits and the second bits and a provide the second bits and the second bits and the second bits and a second bits and the second bits and the second bits and the second bits an

A plan suggested in one seed cata-logue, T think it was Simmers, meets my experience and ideas exactly. It says: "Set plants 13 to 15 inches apart each way, cultivate first season, then in the fall or early spring cover about four inches deep with coarse manure, and continue to do this each year."

As we cannot tell how long an as-paragus bed will live, a small plot say 15 feet square, set apart and treated in this way will keep a family in more than they can use during their whole lifetime.



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"WHEN I bought my first manure spreader,

I was thinking more of my horses than I want all right. I bought a 'light weight' machine. It went all right sempty, or with a half load, but it warped and jammed is after a few full loads that soon the hores couldn's that any length of that has a some weight if it is to de good work and it is any length of that has a some weight if it is to de good work and that any length of that has a some weight if it is to de good work and that any length of that has a some weight if it is to de good work weight call a besty machine. The beaution of the some weight when easity weight, as my meight and when he have been weight the hores, better for the land, and better for my pockethode." This farmer owns a Deering manure spreader built for efficient work, and field-tested in every feature. The weight is put into along. It prevents jamming, twisting, warping and sagar. Sim show what the feature on Deering preaders are put there for, by and the feature on Deering preaders are put there for, by and the information and we will give you our agent's name. was of my land. I bought a 'light weight' machine. It

International Harvester Company of Canada, Ltd

Lundon, Ont. Quebec, P. Q.

milton, Out.

Montreal, Que. St. John, N. B.



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Potatoes---A Money Making Side Line

W NAT system of farm manage-ment will, on the same ment will, on the average, yield greatest returns? Only a few years ago replies to this question were mere guesses. It was Prof War-ren of Cornell University who first made a thoroughgoing investigation made a thoroughgoing investigation of the subject. His conclusions were that men who graw a little of every-thing, had a few cows, a few pigs, and a few bens, couldn't qualify as financially successful. In fact many of this class were not even making a their investment. Perhybigs the most astounding feature of Prof. Warrer's conclusions, after invoiring minutely conclusions, after inquiring minutely into the management of several hun-dred farms, was that the strict spe-cialists were in many cases financial failures, and in no case did their labor income or return on investment rank high. The men who were mak-ing the most abundant success on the farm were the diversified farmers who had a cour of main lines, perhaps had a cour of main lines, perhaps three, wh. y pushed with might and main, on the side what they crops." called "mc.

Many investigations have been con-ducted since Prof. Warren's pioneer enterprise, and the results have in-variably been the same. As I run over in my mind the successful far-mers I have known, this same rule applies. As I examine more minutely into the moneymaking crops that are features of every highly successful farm, I find that potatoes in my home province, at least, were the most pop-ular of all money crops. The farmers in our neighborhood grew cabbage, parsnips, carrots and turnips, but potatoes were an easy first,

Most Desirable Acreage

The area in that Nova Scotia community varied from two to 20 acres munity varied from two to 20 acres of poratoes per farm. I would esti-mate that the average of a 100-acre farm was five acres. This acreage we found could be handled without employing extra labor, except for planting and harvesting. When potato seed was to be dropped, or the potato crop to be dropped, or the potato were always empty. This undesir-able feature of the potato as a money crop has now been largely obviated crop has now been largely obviated by up-to-date machinery, the potato planter and the potato digger simpli-fying the work wonderfully. In the ownership of these machines there is wonderful chance for cooperation. he farmer who handles 20 acres of The potatoes can afford to have potato planting and harvesting machinery

If I were to put down in figures the cost of every operation from the plow-ing of the land to the digging of the crop, the profit from potatoes would not look so large as it really is. Very seldom did we harvest less than 200 bushels of marketable potatoes to the acre. At 40 cts. a bushel this repre sents a return of \$80 an acre. This This is a low return. I can vemember years when we harvested 250 bushels and sold the whole crop at 60 cts, a bushel, and realized \$150 an acre, gross receipts. I would estimate that taking all time into consideration, it cost \$40 to \$50 to plant, fertilize, cultivate and harvest an acre. Here was the point, however, that made potatoes so profitable to us. We grew the crop with practically the same help, both with horse and man labor,

of his own. The man with five acres can better afford to cooperate with a neighbor in the ownership of imple-

March 4, 1915

as would be necessary to run the farm. To eliminate potatoes from our crops would not have reduced our expenses materially, and their addi-tion to the crop list increased the in-come very materially.

The ideal acreage of potatoes on any farm, except the special potato farm, is the maximum acreage that could be handled without involving ... greatly increased outlay for labor. crop handled in this way is what I call a side line money crop. I believe that on most 100-acre farms the acreage will figure down to about five acres.

I will mention only two points in I will mention only two points in the handling of the crop-the utiliza-tion of fertilizers and of horse labor. Potatoes, of all crops grown on the farm, will give best results from the application of commercial fertilizers, and we or our neighbors never attempted to grow potatoes without commercial fertilizer, even when the soil was otherwise in good tilth. As a general rule we used prepared brands, 200 to 400 pounds to the acre. We planned to do practically all of the work once the seed had been dropthe work once the seed had been drop-ped by horse power. Where cultiva-tion is followed rigidly each week, very little work with the hand hoe will be needed, if indeed any is need-ed. Of course he up-to-dist potato grower considers spraying for blight just as important as cultivation to atiminate weeds and conserve moni-ure. Where he the choices of mposetoes are one of the choicest of money-making sidelines:-FE.E.

Early Potatoes and How to Grow Them

James Anthony, York Co., Ont.

James Anthony, The best soil for early potatoes is subsoil. The best crop to proceed the potatoes is clover. As soon as the clover is removed the soil is covered with a thick carpet of manure. This is left to leach into the soil, with the left to leach into the soil, with the result that the early fail made the field covered with a long and thick after-crop of clover. The field is plowed in the early fail, about air, inches deep. An the spring it is disked and replowed and the soil thoroughly worked up in order that it may be deep and mellow. It can be readily seen that it is crammed full of humus. The Early Eurolea gives the best of

crammed full of humas. The Early Eurekas gives the best of satisfaction. About the middle of March the seed is put, one rew deep, into crates. As far as possible the potatees are shood seed end up in the crates. The crates are placed in a fairly aarm room in order that they may be well sprouted by planting time. time.

As soon as the danger of frost is believed to be over the potatoes are taken to the field and planted. A potato planter with a fertilizer at-

Tork 0... Ont. achiments is used for making the marks for the seed and for depositing for the potential of the seed and for depositing the seed and for depositing the marks of the seed and the seed and the in the marks by hand, about 12 or 14 makes apart, and covered lightly by mad. The senial or aised and the median sized seed is planted whole in year and the series of a low to the seed. The planting and covering encourtages where the series of a low term of the head of the seed and the planting and covering encourtages where the series of the seed, and, bound the seed of the seed, and, should a forsi threaten, the sprouts and the series of the seed, and, should a forsi threaten, the sprout should a forsi threaten the seed, and, should a forsi threaten the seed and of threaten of the seed and the threaten of the seed at the bar threaten of the seed at the bar profits the seed at the bar in profits thes a month later on.

largest profits. A week at the be-ginning of the season may mean more in profits than a month later on.

The United Farmers of Ontario

(Continued from page 12)

a comparatively few landowners are in the matter being dealt with ulti-seizing for their own benefit all the mately by the central organization. Wealth fluis created, During the past four years land values in Toronto Mr. Geo. Keen of Brantford, gave alone had increased by \$\frac{1}{200,000,000}, an address on "Successful Cooperaor by an average of \$40,000,000 a year. This money did not drop out of hea-ven, but was taken out of the farmers ven, but was taken out of the farmers of the country and the consumers in the cities through the enormous rents charged by city landowners. Mr. Cowan was asked what would prevent landowners from adding a tax on land values to the cost of goods just as they would be prevented from doing this by the fact that in all cities there is a large amount of vacant land, there is a large amount of vacant land, there being some 2,000 acres in Toronto being some 2,000 acres in Toronto alove. A tax on land values would force this land into use, and by en-couraging the erection of buildings would tend to decrease instead of in-creasing rents. Those present saw that the subject was a big one, and were improved by the big one, and were impressed by the hearty endors-ation given it by Mr. J. S. Woodsworth, of Winnipeg, who spoke on behalf of the western farmers. It was half of the western tarmers. It was felt, however, that it was a matter that required further consideration, and therefore no resolution dealing with it was passed. The Duty on Fencing W. H. 1. Dutyming of Forget who

The Duty on Fencing Mr. H. J. Pettypice, of Forest, who publishes a local paper, showed the way in which the new tariff is going to affect the farmer. He stated that the day before the tariff increase was announced he had an advertisement what from a fence commany quoton hand from a fence company quot-ing certain prices for fencing. The day the new tariff was announced he received a telegram cancelling that advertisement. Shortly after he received a new advertisement, in which he noticed that the price of the fenc-ing had been increased 5c and 6c a rod for every grade. He pointed out that this increase did not go to the government, but to the protected

manufacturer. Mr. Wm. Bacon, of Orillia, spoke on "Our Trade With the Mother-land." He urged the practice of real patriotism by more extensive buying of British-made articles

Strengthening the Organization . Mr. B. C. Tucker, Harold, Ont., secretary of the Minto Farmers' Club, spoke on the subject, "What Can the Central Do to Help the Local Asso-ciations?" He urged that the central association should give the local as-sociations something definite to do, and advocated the publication by the and advocated the publication by the and in this connection showed it, central organization of a bulletin in westering Canada a few men had-which would keep the locals in jouch been about the commutation over \$200, a representative in the city of Torento. through increasing hardwalles which who has assisted them in selling their they had none practically nothing to live stock. He thought that the cen-tral association should promote this work for the benefit of all the locals. pey, made one of the best speeches This suggrestion led to considerable of the correction. One delegate har-discultation, and will probably result ing expressed the fear that harm

.

Mr. Geo. Keen of Brantford, gave an address on "Successful Coopera-tion in Great Britain," which he il-lustrated with lantern slides. This address was a revelation of the ex-tent to which cooperation has succeeded in Great Britain. The sales of the Cooperative Wholesale Society of Cooperative Wholesale Society of Great Britain last year amounted to \$656.179,475. and the profits to \$71.-302,000. The capital of the society was \$230,568,68, or more than the combined capital of all the chartered banks in Canada. This great organi-zation was started by a few miners, who got together under great diffi-culties about the middle of the last century, and arranged to buy together in a very limited way. Movement in the West

^mMysment in the west ^aMr. J. B. Musselman, the secretary of the Saskatchewan Grain Growers' Association, described the great suc-cess that has attended the farmers' movement in Saskatchewan. The total population of Saskatchewan is less than the population of the city of Toronto, nevertheless the farmers have 1,000 local organizations and nave 4,000 local organizations and more to be organized. This year they held a four days' convention at which there were 1,800 delegates. The Sas-katchewan Cooperative Elevator com-pany controls 215 elevators, and last year handled 20,000,000 bushels of grain and made a profit of \$286,000. All the stock is owned by farmers. They have a municipal hall insurance commission, which last year carried \$25,000,000 of insurance and made a profit of \$250,000. The premiums are paid by a tax on land values "Can't Competers"

Mr. Musselman made a hit when he described the protected manufacturers as "Can't Competers." He said that while the farmers of Canada had to sell their produce in the markets of the world, our manufacturers shout that they cannot compete with the manufacturers of other countries, and therefore that they must be protected, which means that the farmer must help them by paying higher prices for the goods they manufacture "They talk about the inefficiency of the farmer," said Mr. Musselman, "yet the farmer seems to be about the only class in the community that is able to compete with the rest of the world." Mr. Musselman endorsed the principle of taxing land values, and in this connection showed the in-western Canada a few men had-been able to accumulate over \$200,-000,000 in wealth in a few years through increasing land values which hav had done precisely exciting the

Dairy Farming on Sand

One of Our Folks who is making good on a farm of thin, sandy learn, recently wrote Farm and Dairy teiling of his success with dairy catle. His letter is published on page 5, Dec. 31st. Mr. Rutherford's success under adverse conditions may well act as an inspiration to the many of us who are more favorably situated but, perhaps, not do-ing so well.

ing so well. Mr. Rocherford was glad to pass on his experience for the encour-agement it may give to others. He himself was not unrequited. Im-mediately we extended his subscription with the encour-been accompanied by a photograph of his herd or building. Mr. letter erford's subscription would have been extended for the full year. The same privilege is extended to all of Our Felks. Acceptable let-ers of 300 words or more describing successful farm practice, or deal-ing with any topic of agricultural Interest, entitle the subscriber to a six months' renewal to his subscription. Our women folk can secure the same renewal by writing for our Household Department or Home Club. Several have already availed themselves of this offer. We would be glad to hear from yeu.

might result if political questions were discussed, Mr. Woodsworth re-marked that the farmers of western Canada had got far past that stage. He considered the politicians instead of being the masters were the ser-vants of the farmers. He contended there is no such thing as an "inde-pendent farmer," as social and economic conditions govern the welfare of every farmer, and unless farmers are willing to relinquish their so-call-ed independence, they're going to be crushed under the industrial revolution which has now struck the farmers as it has every other class in the community. Farmers are mixed up directly and inextricably in the bank-ing, railway, marketing, and manu-facturing problems of the country, and unless they work with their fel-low-farmers to advance their united interest they will all suffer the con-sequences. In western Canada the farmers have taken a strong stand against the combines and merzers tion which has now struck the farmers

larmers nave taken a strong stand against the combines and mergers that are bleeding the country. Secretary J. J. Morrison made the closing speech. He showed that the success of the inovement is going to depend on the lovality of the individual farmers in the local association and on the lovality of these associations to the central organisations. He could the central organization. He said that he had found from his visits to all parts of the province that the farmers are ready and anxious to or-ganize. The organization has now created and is ready for the affiliation of the local associations. The future, he said, was full of promise, and he expected that the coming year would

blow great progress. Different delegates spoken to by the editor of Farm and Dairy stated that they were delighted with 'the convention, and intimated that they were returning home determined to push the movement towards a still reater success

0.4.C. He. 72 OATS FOR SALE Grown on field that won First Prize from Eldon Agricultural Society. Good clean seed, true to name. Price \$1.25 per bus, f.o.b. Woodville, Sacks free. GEORGE McKAGUE, WOODVILLE, P.O., Ont.

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FARM AND DAIRY

AND RURAL HOME PUBLISHED EVERY THURSDAY

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UNITED STATES REPRESENTATIVES STOCKWELL'S SPECIAL AGENCY Chicago Office-People's Gas Building. New York Office-Tribune Building.

CIRCULATION STATEMENT

The paid subscriptions to Farm and Dairy success takes. The actual dividual of each last, including interpretation of each last, including input in arrans, and annihes copies, writes from 55,00 to 19,000 copies. No subscriptions are accepted at less that the if entiretyping de-mans, showing its distribution of the paper, showing its distribution by constite and pro-trees, will be mailed free on request.

OUR GUARANTEE

OUR GUARANTEE We guarantee that every advertiser in this issue is reliable. We are able to do this because the adver-tising columns of farm and Dairy are as enveluity our enders, we turn advertiser herein deal dishonesity with you as one of our path - addwards anthorships. We remensions occurs within one month from date of this securities is reported to us within a week of its accurrence, and that we find the facts to be as stated. divertisery on state: "I saw your advertisement in a renders of the path of the security of the security and the security of the security of the security of the advertisery on state: "I saw your advertisement in a render shall not alv their the

Arms and Dairy." Rogues shall not ply their trade at the expense of be subscribers, who are our friends. through the folium of these columns, but we shall not attempt to rijust triffing disputes between subscribers and hono-his business men who adverties, nor pay the debts of the business men who adverties, nor pay the debts of

he Rural Publishing Company, Limited

PETERBBORO, ONT.

"Read not to contradict and to confute, nor to lieve and take for granted, but to weigh and con-lier."-Bacon.

Dealers at Fault

RETAIL grocer, speaking in Toronto recently, infers that Ontario fruit growers are not giving the middlemen a fair deal. Among other things, he complains of fruit shipped too green, berry boxes only partially full, and occaionally the top layer of a barrel or box not a ir representation of the contents. A glaring mparison is drawn between the methods adoptd by Canadian and United States producers, and he comparison is not altogether complimentary to the Canadian grower.

So much for the middleman's side of the question. As turn about is only fair play, Farm and Dairy begs leave to advance some complaints from the producer's standpoint. Perhaps our greatest complaint concerns the absolute ignorance of many fruit vendors, of the goods they are handling. It is said with truth that the average consumer knows only two varieties of apples, Spys and Snows. The average retailer is not much wiser. Many splendid varieties of apples are grown that the consumer would appreciate and ask for did he know about them, but because of the prevailing imporance of both consumers and middlemen it is difficult to market these varieties to advantage. We have talked with middlemen who did not know the difference between a Wagner 'and a Ben Davis, while they actually stand at the opposite end of the scale so far as quality is concerned.

Another serious mistake often made by middlemen, and which tends to make splendid varieties unpopular, is selling out of season. Many varieties are exposed for sale in the fruit stalls as much as three or four months before they have reached their best. Other varieties are sold after they are past their best. The consumer is thus

FARM AND DAIRY led to brand as undesirable, varieties that at another season would please him.

Probably the difficulties that we have mentioned will never be completely settled until producers take matters into their own hands and educate consumers as to the varieties to be used and when to use them. This object might be compassed by running display advertisements in the city newspapers mentioning varieties desirable at that date. Such an advertising campaign could be conducted only by a strong producers' organization such as is not yet in existence in Canada. In the meantime let not our friends the middlemen forget that there is "cause for kicking" on both sides of the fence.

Reduced Planting Advisable

N OT one-half of the apple trees planted in Nova Scotia are yet in bearing. In British Columba two-thirds of all fruit trees I anted are under five years old, and of the remainder only. about one-third have reached a profitable bearing age. Heavy planting has been characteristic of the fruit growing sections of Ontario. Even Ouebec and New Brunswick have been adding to their area under trees. With these facts before us, it is not difficult to forecast a greatly enhanced production within the next few years.

What of the market? Last year fruit growers. experienced difficulty in disposing of their apple crop at any price. This difficulty cannot all be attributed to war time conditions. The year before, with the apple crop a partial failure, the market was dull. Taking a broader perspective of the market situation we find that in the last four-score years the apple industry has been subject to what may be called "cycles of production." Periods of high prices have been followed by heavy planting, and these in turn were followed by years of stagnant markets, with still another revival when the development of the country had provided a market for the surplus production. If history is to repeat itself we are now ready for a period of low prices to follow the heavy plantings of the last few years.

" The situation is not one over which the grower, need be unduly pessimistic. At the same time, further plantings on a commercial scale would be unwise. Those who have orchards would be well advised to give them the best of care, study efficiency of production, economy in marketing, and thus endeavor to make the apple more of a staple-food product than it now is. One class only do we know of who can afford to make plantings-a small orchard is an asset on any farm, and those who have not an assortment of tree fruits for table use cannot invest money better than in trees for setting this spring.

Let Manufacturers Contribute

C O far, Canadian protected manufacturers 0 seem to be the only ones who are not asked to contribute materially to additional taxation burdens. The placing of a small customs duty on some of their raw material, which was formerly on the free list, is more than made up to them by the increased protection afforded their finished products. When they manufacture for export ninety-nine per cent. of the new duty on raw materials is refunded to them. Far from losing by the new Dominion taxes, manufacturers actually stand to gain.

Is it quite right to deny to our manufacturers the right to assist the Empire at this time? None have been louder in their professions of lovalty. As a means of allowing this class of the community to contribute to the added burden of the country, Farm and Dairy would suggest that an excise tax be levied on all goods manufactured in Canada affected by the new tariff. equal in amount to the increase in the customs

March 4, 1915

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tariff on imports. The effect of the increase in the tariff will be to shut off imports and reduce revenue. Hence, under the present armangement, for every dollar that goes into the public till, four to ten dollars will be collected by the protected manufacturer on the increased price of his goods. Under the scheme that we are suggesting-an import and excise tax combined -the whole amount, or five to eleven dollars, would be collected for the Government to meet current expenses. Consumers, when paying the increased price demanded for goods," would then have the satisfaction of knowing that they were contributing to the Government and not to private corporations. The manufacturers, in supporting such a scheme as Farm and Dairy is suggesting, would prove that theirs is no mere lip loyalty. And think what it would mean to the country, an increased revenue of perhaps \$100,000,000 or more instead of the \$20,000,000 on which Minister of Finance White is calculating.

Fewer Cows-More Milk

T HE Breeders' Gazette tells of a dairyman with thirty cows who sold five of the least productive and gave their feed as an addition to the remaining twenty-five. The result was, a decided gain in total amount of milk. The results were so encouraging that the man wen' further, selling five more cows and giving the remaining twenty the same feed that had gone to thirty. Again his total milk yield increased.

We believe it was Mr. J. He Grisdale, Superintendent of Dominion Experimental Farms who claimed recently that the average milk production of the country could be doubled by better feeding. To prove his contention, Mr. Grisdale had herds of ordinary breeding bought for some of the Experimental arms, where, under liberal feeding, they more than doubled their production.

A cream separator agent was trying to place a hand separator with a dairyman who milked ten cows. Ready money was not available, but the farmer was persuaded to sell one of the cows to secure the cash necessary and give the feed that he had originally fed to ten to the remaining nine. He found that he was getting as much milk from the nine as he had got from the ten. and he had a cream separator as well.

Some err on the side of over-feeding. But for every one who in feeding matters commits the sin of commission, there are at least one hundred dairymen whose failing lies along the line of omission. We wonder how many there are even among Our Folks who might profit by reducing their herds in numbers, and feeding more liberally to those remaining.

Wayside Jottings

It is well enough to grow crops. If when we come to sell the stuff, however, we allow the other fellow to trim us, where is the advantage in producing more

In New Brunswick farmers are selling their potatoes at thirty-five cents a barrel. In Montreal the consumers are paying their grocers one dollar and eighty cents a barrel. In other words, the Montreal consumer is paying five times what the New Brunswick producer receives. Can such a spread in price be justified?

There is a world of difference between living and making a living. Many make a splendid living but never really live. They get their viewpoint distorted. They come to regard the making of a living as the first object of living. Those who get the most true joy out of life are those who regard the accumulation of material necessities as of importance only in so far as it enables them to enjoy life.

FARM AND DAIRY

Dominion Grange and Farmers' Interests

A Successful Annual Meeting Held in Toronto Last Week-Officers Elected.

F OR 40 years the Dominion Grange has advocated measures which it believed to be in the best inter-eats of the farmers of Ontario and of Canada. During that period it has seen many other farmers' organisa-tions pass out-of existence. If has continued, however, to outlive all viewithe 40 den annul meeting of the remease are held in the Carle Dit week the 40th annual meeting of the Grange was held in the Carls-Rite Hotel, Toronto. It was well attended by members of its own organization at the morning session. At the after-noon session there was a still larger attendance, a considerable number of members of the United Farmers of

members of the United Farmers of Ontario being on hand. Owing to the fact that the Grange has in a large measure identified itself with the United Farmers of Ontario, the proceedings at its annual meeting this year were not as important as otherwise would have been the case. otherwise would have been the case. Most of the important discussions and reports were held over to be settled at the convention of the United Farmers of Ontario, which was to be held on the two following days.

Officers Elected

the two following days. Officers Elected The following different were alcohed: Master, W. Wardell, R. No. 1, Marting W. Wardell, R. No. 1, Marting M. S. Wardell, R. No. 1, Martine, Correser, R. H. Hal-bert, Malanchen S. Schwarz, C. M. New Withy Chaptain, Chas. 8 w. Weith, S. Thomas, Stoward, C. H. Neid Char, Golsein, Gatekeeper, J. A Graveell, Palmersban, Cores, Mrs. Ponnd, Ayiner; Pomona, Miss Futch-ron, Palmerston, Stewards, C. M. Middlemarch, Flora, Miss Futch-ron, Palmerston, Stewards, Miss Hut-Robinson, St. Thomas. Executive Ommittee: Measres. W. C. Good, Paris, J. C. Dickson, Moorefield; E. G. Dray, Barrie, Robox, Ruthven, Carbon, Barrie, Robox, Ruthven, Carbon, Palmerston, Steward, W. M. Marker and Berceitary. Audi set, H. Adams, Sawe, Yen, Mer-Carbon, St. Thomas, Sawe, Yen, Mer-Carbon, St. Thomas, Sawe, Yen, Mer-Carbon, St. Thomas, Sawe, Yen, Mer-Carbon, St. States, Sawe, M. Marker, Marker and Berceitary. Audi Sawa, Sawa, Sawe, Marker, Marker, Marker, Marker, Marker, Sawa, Sawe, Sawa, Sawe, Sawa, Sawa,

The treasurer's statement showed total receipts for the year of \$910.86 and expenditures of \$708.04, leaving a balance of \$202.82. Out of this some the convention expenses had to be defrayed.

Master's Address

The address of the Master, W. C. Good, B.A., of Paris, Ont., was pub-lished almost in full in last week's issue of Farm and Dairy. It dealt with economic and social conditions "in economic and social conditions t at are working against farmers as a class and showed why farmers will be unable to respond to the call for increased production to the extent that they otherwise might. It was a splendid address, and greatly appre-clated.

Secretary's Report

Secretary J. J. Morrison reported that no exception had been taken by any member of the Order to the union of forces which had taken place dur-ing the year between the Dominion Grange and the United Farmers of Ontario. He advocated the continu-United Farmers of Ontario. In due time the organizations may completely unite

In the Grange the fees of man are \$1, of women 30c and of juniors 20c. Half of all members' fees are sent by the subordinate granges to the Domin-ion Grange. The same procedure is followed in the United Farmers of Outario, except that the United Farmers have not as yet induced order that the identity order that the identity may be fully maintained, it was de-cided that subordinate granges should forward all their fees direct to the

ted. who would then over whatever propor-tion was needed for alliation pur-poses to the Dray for alliation pur-poses to the Dray for alliation pur-poses to the Grange shorts and own nae all fees received to its own nae all fees received and the conventions of the Grange and the conventions of the Grange and the United Farmers of Ontario will hay the rai-way expenses of the delegates from the subordinate granges who are affiliated with it. An Old Mamber

An Old Member

An Old Member A Old Member A Detter from John Ramay, of Gambellivite, enclosing his member-ally five of \$1 was read. Mr. Ramay his next of age, and eithough ho-hos next of age, and eithough ho-ings for years is in out of the provide of the second second second turneed home from the hospital. It co-to the second second second second here A resolution was passed or, provide this order was given when years of the order was given the order was the order was of t

Howick Grange of has paid its dues regularly every year since 1875, al-though for some years there have been only four members in this grange. Ontario People's Sait Company

Only over memory in this grange. Ontario Respits Sait Company In 1888 the Dominion Grange was people in the starting the Ontario People in the Sait Company at Kineardine. Two of the Domagnay at Kineardine. Two of the Domagnay the starting of the erboro, and Mr. John Tolinity, of the erboro, and Mr. John Tolinity, of the erboro, and Mr. John Tolinity, or the peotively of the company. They are the only surviving members of the or-iginal board. This company has had to face very strenuous opposition dur-ing its existence, but has survived its and most years has been able to show a profil. It was stated that the price of sait to-day would be \$2 to \$2.26 a ybi. even it not for this company. bbl. were it not for this company bbl. were it not for this company. Farmers were urged to give it every possible support. An idea of what it ... has accompliable may be gained from the fact that in 1884 there were 34 saft wills in Ontario, whereas to-day there are only three or four. Mr, J. B. Musselman, secretary of the Saskatchevan Grain Grovers' As-wrighton subject at the afternoon sec-

sociation, spoke at the afternoon sessociation, spoke at the alternoon see-sion, bringing a message of encourage-mont from the farmers of western Canada. He denounced the "Made in Canada" campaign on the ground Canada' campaign on the ground that any patriotic campaign of that character should be made broad en-ough to include the Empire. Only a selfish purpose would strive to lead us being physics would be and the most to buy goods from the Mother Loand at this time. This practically concluded the convention.

Summing up the place of the far-mer in the Canadian dairy industry, we may say that in the past he has been a hewer of wood and a drawer of milk to the factory for mighty little returns, but times are changing, the returns, but times are changing, and the dairy farmer is changing with them. At present, and in the future, he will demand a greater share of the price paid for dairy goods by the consumer. If he does not get is, there will be something doing all the time until he does get i. When farmers have more more more as a result of their labors, they will nd more, which will increase trade spend more, which will increase trade and manufacture, and result is such a forward stride in the welfare of Canada as she has never known. To keep farmers in the position of men-iuls is a suicidal policy.—Prof. H. H. Dean, O. A. C., Guelph.



THE SEED CORN WITH VITALITY is the kind you have always wanted and is the kind you will eventually buy. Beak be a clied for buyer (GROP OF YOUR NEIGHENG) and your own in the mass be a clied for buyer (GROP OF YOUR NEIGHENG) and your own in the mass of the second of the second buy from a sum-move the hater of this own weed or who is carclease about the reputation. More than the SORS have sever and one bushed of low testing, weak go with WALKER SORS have sever and one bushed of low testing, weak go with the SORS have sever and one bushed of low testing, weak go mine that the sever and one bushed of low testing, weak go with TALL where it is TOO LAND THE EOR with half fail of poor slage, you will remember this advertisement and one with half fail with the WALKER WOU and YOU wart the Eone with the fail

order for 1956. of the following varieties. The first four are Dent varieties and are the only Dent varieties that have been given a standard by the Ontario Corn growers'

oolaiton. I-WISCONSIN NO. 7-White Dent. I-WISCONSIN NO. 7-White Dent. 3-WHITE CAP-Yellow Dent. 5-LONGFELLOW-Flint.

SHIPPED ON THE COB in boxes 70 hos. not. Price \$3.00 per bushel F.O.B. Walkerville, Ont. Money order together with shipping instructions must accompany order.

Note in this issue our winnings at the Corn Show-Sweepstakes' Prize, 1st on W.C. Yellow st. 1st on Bailey, 1st on Golden Glow and other Awards. This is the class of corn we grow. WALKER SONS

WALKERVILLE, ONT.



IDATIENCE and determination will win for us nine battles out of ten.-W. S. Royston. ...

Jim Botts Escapes Reprobation J. de Q. DONEHOO

(New England Homestead)

BROTHER Colder took Jim's case up and labored with him faithful for more than a month after the meetin' was over, but nary a bit of headway did he seem to make; for that there feller had got it into his head that he'd done committed the unpardonable sin, and so there wasn't no hope for him, neither in this world nor in that which is to come. And, oh, Lordy, the way he took on over it was somethin' pitiful to see Now this made everybody what

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East knowed anything about Tim good and tired, sorry as they felt for the feller. He was a younger

brother of Dink Botts, which same was a strong character and powerful ugly when he was riled, all along of the he high opinion he had of him self, thataway. But Jim lean ed just a leetle too much the other side, bein' milder-than dripped curds, and the doggondest, bashfullest critter around that ever skulked seemin' to apologize that to apologize to the public for bein' alive and not a-layin' in the cold and sil-ent tomb. Of course, then, when he got religion, or rather, when he got to worryin' about his soul at that there meetin' it took him in the meek and accusin'-of-himself way. And the fact is that if he really was the kind of a sinner he called himself, there wouldn't be no more chance for the rest of us at the Day of Judgment than there is for a bob

tailed d steer in the skeeter season, he never had shown enough spunk to do anything that anybody ast him not to do, lettin' alone breakif he knowed it, the laws of the Almighty.

when the preacher had kept on all this time, a-groanin' and a-tra-vailin' with him in the spirit, a-laborin' to pull him through-a-tryin' him with the promises, and the fruits of repentance, and everything, and when Jim would only shake his head mourn-Jim would only shake his head mourn-ful-like and still 'low that he was as certain of bein' lost as a yaller dog is of fleas, then all of a sudden a bright idea come to Brother Colder, and he says, says he :: "My dear brother, I've done

at last. We'll settle this here there in two minutes. The way to matter in two minutes. prove your acceptance with the Lord is this: What'd you give up for His sake, if He ast you to do it? If you're willin' to give up all your idols, there ain't no matter of doubt about it: you're in a state of grace and there ain't nothin' that can phase you."

Jim kind of chirked up at this a reetny bit, and he says, hopeless-ike, "Thank you kindly, Brother like.

Colder, but I don't really think that nothin' can pull me through. Yet, if it comes down to givin' things up and forsakin' idols, I don't think there's anything I wouldn't do for the Lord's sake."

Lord's sake." "Very good, Brother Botts," says the preacher; "come, let me prove you. Could you, or could you not, give up every cent of property you have, and make up your mind to go have, and make up your mand to go through life as pore and miscrable as Job. if you was called to do it?" "I shore could," Jim speaks up, a-brightenin' like everything. "I'd do it and jump at the chance, if I only

it'd be easier than any of them for you to renounce

Jim braced up at them words as he'd never done before, and he looked mighty nigh happy. The preacher had hit the spot with him at last; and he begun to feel that, after all, there might be a sneakin' chance for him, so he answered hopeful-like:

"Oh, I can't never thank you enough, Brother Colder. You've given me the first light I've seen for many a day. But that other idol-what is 11 72

"Why, it's women, of course," the reacher he answers. "They're the preacher he auswers. great idols of the world, as every-body knows, seein' what they done to Samson and Solomon, and pretty near all the rest of them, a-turnin' away their hearts. Could you give up all idea of ever havin' a wife or a sweetheart, or lovin' one of them and hav-in' them love you, if it was required of you?"

When he heard that question, Jim looked sc happy for a minute that it 'peared like he was a-goin' to shout, and then in two shakes of a lamb's tail a shadder come across his face and there he was back ag'in in the and there he was back ag in month. And he spoke to the preacher, like the Old Boy was just about gettin' his claws on him :

his claws on him: "Alas, Brother Colder, you know I couldn't only give up women, but I'd be more than glad to do it. I never had a girl in my life, and I wouldn't take forty thousand dollars and have one, I'm that bashful and skeered of them. But it's done come to me like a condemnation, that my



Two Four-Year-Olds at Bethanbreck Orchards, Halton Co., Ont. On the Right is an Alexander, Two Years Set, Bearing Thirteen Apples.

knowed it would save my sinful soul." "Splendid," Brother Colder goes on, a-smilin' now, "we're comin' fine. And couldn't you, too, give up every earthly ambition and honor-the post office, for instance, that I've heard ou mentioned for, and bein' a deacon in the church in time to come, and everything of that kind "

"That wouldn't worry me a bit," Jim, he 'lows, lookin' happier still. "I'd be more than willin'."

"Ad be more than willin," "And could you ever give up health and strength," the preacher ast next, "and be a pore cripple, or an invalid, without repinin'?"

The feller thought a minute deep and carnest, then his face shone, and he says, says he, "Yes, I could stand even that, if I knowed it would save

me... Brother Colder he beamed then, and he said, said he, "My dear young brother, there ain't no manner of doubt in your case, and I can prove it to you out of the Good Book, from kiver to kiver. You're in a state of salvation, you are, by the sign of the idols you've given up-mighty nigh the whole bunch, for I've done named every last idolatry, 'ceptin' one. And knowin' you as I do, I'm sure that

idol's the other way. I don't know whether I'd be willin' to court and marry a girl, if the Lord told me to dc it to save my soul. No, 1'm afraid I'd rather be d-d than do it. ain't no use, though I do appreciate the trouble you've took to try to pull me through. I've done committed the unpardonable sin, and I'm a ves-sel of wrath."

The preacher was that surprised at this here fool idea that for a minute he cidn't know which way to look Surday; and when he got to talkin' it over with Jim, he found that the more he argued, the more that feller stuck to it. So at last he fell in with this crochet and went to provin' to him that if he made up his mind to the sacrifice he was sure of salvation; and he reasoned with him that couldn't be such a terrible hard thing to do as he thought it was. He won toy; for Jim at last give in that if he could do this for the Lord's sake, the promises would reach him, and he'd know he hadn't committed the unpardonable sin. But Brother Colder had a hard time a-wrastlin' with him and a-makin' him give up his self-will about being scared of

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Finally he says to Jim, says he, "You're a curious kind of a critter, anyhow, you are; I'm plumb disgusted with you. Take, for instance, little Susie Evans, what lives near town on the place next to you all. You've seen that girl all your life, and why, in the name of creation, you shouldn't be proud and happy to make love to her proue and nappy to make hove to her and ast her to marry you, I don't understand. I don't see any reason, neither, why she wouldn't lock at you favorable, if you only showed a little gumption and brace, and, and that girl—why, she's out a complexion like Deaches and cream here smerre peaches and cream, her eyes brighter than any star, and are she's just as sweet and purty and healthy and wholesome as any bein' on earth could possibly be. And then she's as good and even-tempered and cheerful and industrious as she is nice-lookin' and as full of fun as a young kitten. Why, man, what's the matter with you that you think it would be an afflic-tion from the Lord to court a girl like that?"

Jim Agrees to Try to Court Susie "It's curious, ain't it?" asts Jim, mournful-like, as if he was just about to be strung up. "But I was thinkin" about that very girl, when you was a-arguin' with me, Brother Colder Yet if I was to go near Susie she'd laugh at me, and I'd nearly die; for I'm so bashful that I'd get red in the face, and fidget and stammer, and not know what I was a-talkin' about. Why, I wouldn't take anything to do why, I wouldn't take anything to do if; A purty near beiever I'd rather be lost than try. Now, if it was some ugh oid maid-Miss Nancy Shay, for instance, I believe I could possibly do it, but that wouldn't be givin' up my dearest idol," he add-

ed, sad-like. "Oh, you make me ever-lastin' tired, you great big baby," snotts the preacher at discussed with Jim this, so disgusted with Jim that he had to hold himself in that he had to note himsen in not to kick him, which same is mebbe what he had ought to have done just then. But still he was kind of pleas stull ne was kind of pleased, too; for he saw that the fel-ler had at last got the idea fixed firm, that if he courted and married that purty girl he spoke about, he'd be saved. And it struck Erother Colder that, if he brought it out that was it'd he an acte meet iob way it'd be an extra neat job. both comfortin' Jim's soul by gettin him into the church and at the same time doin him a mighty good turn; for a sensible wife was shore what that feller needed to make him

spunk up and keep fool ideas, like he'd been havin', out of his head. So the preacher he as usual kept on a-laborin' away on the case, and, dog my cats, if he didn't at lust make him agree to go a-courtin' of Susie Evans and try to marry her, a persuadin' him that this 'd be a sure proof that he hadn't courtaitted the inpardonable sin, because then he'd e a-doin' for the Lord's sake the thing that he most hated to do. And he got Jim so worked up over it that he made him promise to begin that very evenin' if it killed him.

Now mebbe Susie Evans wasn't surprised when Jim showed up at her prised when Jim showed up at her house about seven that night. There he was, with his best clothes on, and his boots lookin' like a stove that had just been polished, and his hair plastered down on his head as if he'd used tar on it; and when that girl come to the door, he stood there like an idiot, his face redder 'n a boiled beet, and he couldn't say nothin' for over a minute, when at last he blurted

over a minute, when at has ne burred out, "13--is your pa at home, Susie?" "'No. Jim, he ain't at home," an-wers Susie; "he and ma just went up to town for a little while, and left (Concluded on page 31)

*********************************** The Upward Look Also we must not forget the thanks-giving. How often we feel hurt and annoyed when, although we have done **Recesseseseseseseses** a great deal for another, we never re-

ant note.

Him.

Jesus

is sown in

there is some heat

a great deal for another, we never re-ceive an expression of gratitude from that one. Just so over and over again do we forget to thank our Father for blessings and help received, though it

ould seem that the first thought

This verse is followed by the one: "And the peace of God, which passeth all understanding, shall guard your hearts and your thoughts in Christ

Paul could not have written this so convincingly if he had not himself realized its preciousness in those hard days of his imprisonment.-I. H. N.

. . . Start Begonias Now

B. C. Tillet, Wentworth Co., Ont. Some of the finest begonias can be raised cheaply from seed, and if this

boxes now it will produce september. The soil should

not himself

Trusting in the All-Powerful One

"In nothing be anxious: but in with thankagiving, let your requests be made known unto God?" Phil. iv., 6, Paul sent this

 Paul sent this message to the Philippians from prison. His heart was tender and grateful towards them, for the present of money they had sent. him to help supply his needs. It must have meant a great deal to them, when they through of him who wrote it, in the midst of his own trials and dealows. message privations.

privations. The "nothing" and the "every-thing" include all; the small causes for anxieties as well as the great; the little annoyances that fret and hurt; little annoyances that fret and hurr; the misunderstandings that cause so much trouble; the pressing need to meet certain obligations; the constant struggle to make-ends meet; the cares and strain of every-day work; the dis-appointments we find so trying; the heavy sorrow so hard to bear. " Lite is transformed, if this verse he-ling all the transformed, if this verse he-g all the transformed, the straight . There is no important theories, tranging the sone important theories.

Taken through the second back that the test is some in boxes now it will produce the backet in September. The soil should be seen in September. The soil should seen understand, with the source of the seen understand, with the source of the pressed down, well watered, as firstly on the septimized with the paim of the hand. Do not cover it with soil. Cover the boxes with glass to check evaporation. The boxes should be placed in a glass honse where there is some hast.

... our Heavenly Father. There is one important thought which is often overlooked, and that is that there must be prayer before our requesta are, made. We must pray earneesly shat God will direct us in our petitions, and that our

OUR HOME CLUB

Introducing "Aunt Margaret"

Introducing "Aunt Margaret" We have much pleasure in introduc-ing to the members of the Home Club this week a new member of the fair sex. She comes to a under the guise of "Aunt Margaret" with an inter-esting latter on the life of the lumber-jacks in our Canadian lumber samps. We know that? Home Club members will welcome "Aunt Margaret" into the circle, and we hope that she will be a frequent visior. We have two or three more new members to intro-duce, but lack of space prevents our doing so until our next meeting.

duce, but lack of space prevents' our doing so until our next meeting. We are glad, too, to velocume hack Aunt Jane after a few weeks' al-sence. There are a lot of old friends we would all like to hear from. Where, we wond.or, are Father, Rob Roy, The Parson, The Doctor's Wife and many obles whose visits were once so thor-oughly appreciated? Doro back for a visit, please. We will give you a right royal welcome.

. .

Life in an Ontario Lumber Camp

I wonder how many Home Club members know anything of the life of the lumber-jack. During the winter gemogra know anything of the life of the lumber-jack. During the winter months the average back woodsman resorts to the near-by lumber camp, possibly 30 or 40 miles distant, with his turkey on his back. His turkey his turkey on his back. His turkey is a grain sack filled with a change of underclothes, a few pairs of socks and (19)

100

possibly one or two handkerchiefs. Unless he manages to catch a tote-team going into camp with supplies he is obliged to hike all the way on foot.

There are usually four buildings at ramp: the cook camp; sleep camp; office and stable. The cook camp is a long, low building with a kitchen in long, low building with a kitchen in long, end; this is the cook's domain. He has two assistants called cook-gress; their tasks consist of peeling potatoes, washing dishes, preparing the tasks and rendering all the assist-the tasks and rendering all the assist-nce accessing to the cook. Every the tables and rendering all the assist-ance necessary to the cook. Every night an immense pan of yeast for bread in not, to be balked into loaves the following day. Pies, cakes and cookies are in abundance. Raisin is the principal pie; while a lighteo-ored one without a cover, said to be made from the remains of old aboo-packs, is named "shoepack" pie. Scall orgin dibas are named for

packs, is named "shoepack" pie. Small granite dishes are used for tea and granite pie plates to est from, with iron knives and the same tin spoons; thus nothing is hore and while being washed. A three means and covered with boiling water to be-more grease, the water is then poured off and the dishes inverted agon the store to dry, while the knives, forks and spoons are put into a large graney. sand spoons are put into a large gunny sack, which is shaken back and forth a number of times. When the contents

number of times. When the contents are removed they are perfectly dry. No one is allowed to speak while at his meal, and must go to the sleep camp immediately after enting. In this camp two rows of bunks are ar-ranged along each wall, and usually mean man chem in a bunk usually two men sleep in a bunk, which is





KODAK on the Farm.

AT every turn, country life offers opportunity for the camera. In a business way there are records of stock and crops and buildings and trees and ditching to be kept. From the stanpoint of the family album there are pictures of the children and the pets and the home-pictures that grow in interest with every passing year.

And the Kodak adds fun to every wholesome frolic. At the picnic, at every evening gathering, on the trip to the city, on the shooting and fishing trips it adds to the pleasure at the time and the resulting pictures are a pleasure for all time.

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well filled with hay. A large store is in the contrex, where the men may dry their clothes after a wet day, un-less one humber-jack later than the other: throws his belongings just on top. Two pairs of blankets are al-lowed to each brank, and often the occupants lappen to catch another fellow going away and awipe his cor-war, kiding them in the hay during the day time. At since o'clock at night — Assurdly night being excepted—the tight is turned out, and any convert-ment of which are turned up at bott on, is placed upon a seight, the run-ends. There are two togues, they the daiph can be drawn in either way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes have in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes in the box immediately above the runners allast the water way wo holes the disk it mediately above the runners allast the water way wo holes the disk it water

Two holes in the host in addied Wey. Two holes in the host inmediately above the runners also the water to freeds, but will have the the water to the hills are sanded. In this way the reads are kept smooth, and no mat-ter how heavy the load may be, the horse have not much of a hall except down hill. Young follows of about 15 or 16, perhaps two of them, are employed in keeping the ruts free from sticks, dirt or horse chips. They are said to be chickadeeing. At the end of abo road, bushwhack-res are cutting down pine — white, jack and Norway, with an occasional

jack and Norway, with an occasional spruce. Further into the bush a bunch is cutting a new road for future work; here the foreman is call-

future work; note one roke allowed to be-over 12 feet wide, but the lumber companies, in order to get the neces-sary number of logs on, build them 11 feet 11 inches, and, provided the logs are small, as many as 300 con asfely be piled on one sleigh. Down the trail past the camps is the washerwöman's shack. "Here on gauging the train the come with

The value value pair the calling in the value value value of the calling in their dirty clobes and got their dient ones. For this they are charged the some of the their par charged the some of the logs are dumped into the their value on Sunday. The the logs are dumped into the solution of the logs on the the some as couple of the logs on the the nough, roll the logs on the the idea and the logs dumped on on the ice and the logs dumped on onthe pile. The weight of these often sink the ice, and as the logs are often piled from the bottom of the late. Even though the work, does seem

Even though the work doos soo Even though the work does seem hard and tasdy, camp life has its pleasures. A quadrille in which all ment take parts is called a stag dance. When the foreman is not around poker is played, tobacco being staked. Beasts of strength, acrobatic stunts or sleight of hand tricks round up the steight of hand tricks round up the pleasure until an absent one staggers into camp laden with bottles, and is hailed with joy and all become hilar-ious.—"Aunt Margaret."

. . .

Taking Care of Ourselves

In the Household Number of Farm and Dairy the subject of "Women's Work on the Farm" was very ably discussed by members of the Home Club, and I would like to express my

Club, and I would like to express my opinion on that subject. The more I think of it the more I am convinced that if work on the farm is drudgery for the women, they farm is drudgery for the women, they have themselves to blame. Of course, there are men who should never have been married, but taking the wife of the average farmer, I think her work all depends on circumstances. is an illustration of what I mean Her

If there should be a man and boy or two men and one woman on the farm, then I think the woman should expected to do any work outMarch 4, 1915

are, but I do, not quite agree with that. Worken get just the love and respect they demand, and if we are we will be allowed to do so. I have seen women with little children around them, working inside and out at anything ther results and out at anything they were called to do, and they imagined they could not

Kindnese

(Written for "Farm and Dairy" by E. Robeson, Athens, Ont. E. ROBeson, Alben, URL. It is indeed a comfort to us As we watch the setting sum. In reviewing to remember Deeds of kindness have been done; Little duttes not forgotten, Words of comfort and of cheer, To some weary friend or stranger Struggling under doubt and fear, Let us beed the paning moments And our writchulness increase. That we may by hund bing Find a sweet reward to bing And when waiting in these evening. The the ands of time are year, the discussion of the second of Deeds of kindness have been don

spare an hour off to rest under any conditions. Those same women would lose a whole night's rest if anything ailed one of the children. I have often wondered if those women ever stop to think what would become of their little ones if they should be called away. It is one of the saddest things possible to see a family of little children go out into the world motherless.

I am reminded of a story I once heard of a couple who had lived to-gether for years. Finally the wife died and after the funeral the husband saic to a neighbor: "Well, Jane was a good wife. She always kept my clothes clean and mended and was a good cook, but I never liked her." This story would lead one to believe that when women let themselves get into a rut of thinking they are imposed on, the proper love cannot exist. If there was more of the spirit of a helpmate existing between hus-band and wife, how much happier this world would be, and if women would stand up-for their rights we would have better men.

Let us waken up and feel that we are not here to be made drudges of,

e e e Proof Positive

Little Ada came in to her mother from her play, and asked: "Have gooseberries any legs, moth-

"Why, no, dear," replied the other, "of course not. Why do you mother.

Ada looked solemn as she raised

"Why, then, mother," she said, "I've been eatin' caterpillars!"

. . .

When ironing it is a very go plan to get a clean brick, a white one if possible, as a stand. The iron will retain heat much longer than if an open ironstand be used.

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FARM AND DAIRY

House-Cleaning in the Garden

Alice A. Ferguson, York Co., Ont.

In early spring March or April, is pruning time for roses and hydrangeas if we desire quality in roses and quan-tity of bloom in hydrangeas. Have the roses been cuddled up in straw jackets during the winter? Loosen the roces been caddled up in sirae jackets during the winter? Loosen the straw covering, and gradually occusion them to the weather. All bulks that have been covered with manure, littler or leaves, should have this govering opened out, but not en-the the will grow rapidly, and find-ing the will grow rapidly, and find-ing the will grow rapidly and find-one, they will allo chill. It is seen to leave part of the nucle normole-to leave part of the nucle normole-ty mar. and cover them with if on out and the roots of flowering alruha it acound the roots of flowering farms it acound the roots are qual to the spread of the roots are lowering alruha pread of the branches. Beds in which early flowering builts are grow-ing should not have the soil disturbed by degrang the the groups is optiming plants as well, thus tule applies to plants as

The pruning of roses should be at-tended to before the sap begins to run. First cut out all dead word—it there is no green showing under the hark when you scrape it—it is dead. Use a sharp knife, so that the cut will be clean, and cut close to the stem or ground, so as not to leave an inch or "we as a convenient. Jace for the ground, so as not to leave an inch or two as a convenient place for the board and lodging of insects. Rub a little fresh earth on the out. If your desire few but large roses, cut out the branches, leaving only five or six stems, and cut these back to within five or six eyes from the ground. If requires a hard heart and experienced exp to runne to the advant. All earth requires a hard heart and experienced eye to prune to Alvantage. All early blooming plants should not be pruned till their blooming season is over. So the work must be done with dis-erniantation. All suckers should be enfanted and the bashes, in the from all grafted stock.

in fact from all grafted stock. Having then attended to the re-moval of the *x*-inter coverings, and the pruning of the rose buakes, look over the lawn. It may require renew-ing or levelling; fill in depressions, first removing the sod, roll firmly and replace sod. Rake the lawn with a garden ruke, scatter fresh grass and clover seeds, and roll well with a lawn roller. Prequest rolling during the summer is as important as moving the grans, as it makes the sod firm and the grass grow thicker.

The vegetable garden requires its spring cleaning also. Grass that has grown where it is not wanted can be most easily dug or pulled up by the roots, while the earth is in its first stage of spring softness. If it is not

<text><text><text><text><text>

As been on bright days gather honey, and on cloudy days make their was, so I garden when the weather is right, and the seeds will be grow-ing into food, while the house is receiving its vigorous cleaning - more vigorous because of the out-of-door invigorator-gardening exercise.

Feed the House Plant

John Gall, Peel Co., Ont.

Jonn tong, reet up, ont. If you desire a good house plant, you must feed it. In the first place, a soil should be used that will return its feeding properties for some time, and for this purpose hone meal should be used when potting. This disacives into plant food gradually, and there-into plant food gradually, and therefore produces a supply for a consider-able length of time. Always use the finest bone procurable, and the action will be quicker.

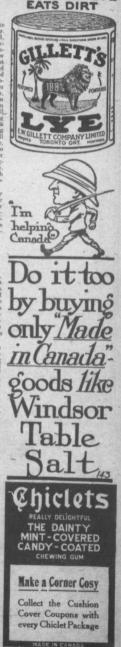
Will be quicker. Many plants require a loss, open soil, which soon becomes depleted ow-ing to the water casily draining through, carrying with it the food through, carrying with it the food growth and life to the plant, and in this case other methods must be em-ployed.

Occasionally a little household am-monia in soft water can be used as a stimulant, but great care must be taken not to apply it too strong, ard only to growing plants in good condition

There are many kinds of plant foods on the market, full directions as foods on the market, rull directions as to their use are generally supplied on the packages. Nover give a plant liquid manure or stimulant when the soil is dry. Nover use hard water ar possible; rain water is best, and if nome on hand use tepid water, not bet

As exceedent plan for leading plants As exceedent plan for leading plants it to seak them in a feeding plants it to seak them in a feeding plants it. This gives a little more trouble, but it throughly impremates the seil with plant food. Put enough liquid made from edic ow manure into a tub of soft water to make it the color of ten. Plunge the pots into that to just below the rin, and allow the to just below the rin, and allow the to just below the rin, and allow the two places. They will no ten-espective places. They will no ten-quire water for a day or two, or even more, according to the temperature of the room. Strong plants can take up much

the room. Strong plants can take up much more food, and take it oftener than the weaker ones; therefore, be careful not to overled the weaker ones. With these injunctions use judgment, and common-sense, and success should be yours.



(21)

GILLETT'S LYE

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"If on the other hand the seller If on the other hand the scheet has any grievance in not having his testing properly done, it should be no hardship for him to pay a very no hardship for him to pay a very small fraction of a cent per pound to know that his tasting was efficiently done by a disinterested party."

Cream Sampling

Ju. Swrensen in The Dairy Record Of all the work done in the cream-ery, providy none is of greater im-portance than getting correct samples for testing of all milk and cream de-ivered. When each lot of cream is treated adily, the method of sampling does not need to be given the atten-tion which is necessary when com-posite samples are taken. The cans of cream musi of course be thorough-y mixed, but if the cans are dimped into a larger can and then well when the sampling can be done with an and has ampling can be done with and the sampling can be done with an any done sample are taken Jas. Surensen in The Dairy Record.

poration of monsure. When composite samples are taken of gream it is important that a pro-portionate sample is taken, and when sweet cream is handled, we believe that the tube sampling will give very satisfactory recults, as the size of the sample taken will be in proportion to the amount of cream sampled. It is important that the sample bottles are The another of that the amplies to the amportant that the amplies bottles are to the will be obtain the found the amplies bottles much be found the obtain the second that the amplies the second the important that the sample bottles are

sults in unfair discrimination in favor of the uncovered amples. To get satisfactory results from composite testing a proportionate sample should be taken, and the sam-ple bottles should be kept in the refrigerator, as should be kept in the refrigerator, as the lower temperature will help to keep the samples in good condition and avoid evaporation of moisture.

Educational Work among Patrons

F. Brown, Grenville Co., Ont.

F. Brown, Grennik Co., Ont. There is no way, to my mind, in which so much good can be done in educating the patron to care for his milk and to avoid tampering with it as frequent ville from the instructor. On my experience in the chesse busi-been accompliand that most good has been accompliand that most good has patrons are being fact all a.

and visits at the various farms. Patrons are being fined all the way from §6 to §50 for perhaps taking only what they think is good milk from their can for table use. Others are allowed to go free that are sending milk that will turn out a smaller smouth of chesse and of a poore people had beginned a sing and would have to be imposed. The farmer a curse to the factory and a disgrace to the community. to the community.

to the community. Some peop-a wondor at their neigh-bor for taking a little cream from their can to make a cake or for their stomach's make, and as a result have them fined, but the same people think it is all right to fill their cans with their neighbor's whey for the sake of their pigs' stom law against that.

I bolieve in the dual purpose cov. If the calves of pure-bred dairy eat-for can be wold at fancy prices it is well. But half the calves are bulls, and if sold to dealers are worth §1 less at two weeks old than the dual, purpose calf, and if keyt as shown they are at a still greater diadors. ge. I have Ayrshire bulls and ws, so I think I know. - Geo. K. tage. cows, so I think I know. - Geo. Robinson, L'Assomption Co., Que.

Much Depends on HOW You Sow! A lot depends on the seed you ase-a whole lot upon how you sow it. Proper seeding means that every seed is deposited where it will get the best chance. The "Leader" Dis Drill places the aeed right at the bottom of the furrow because the shields go well down on the disc. No haphnasad 'cattering of seed when you are seeding with a "Leader." Old-time drills have disc casting of fary ion. We dis arded this method, and equipped the "Leader" Drill with <u>malleable disc castings</u>, giving more strength with far less weight. The discs on the "Leader" will run clean through stiff mud and heavy trash without choking. They are made of high-quality area that in to trask when you arrike stones or tough roots. Broke a disc casting are things unknown to users of "Leader" Disc Drils.

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The one outstanding feature of the world's farming is that there will soon be a The one outstanding resture of the world's farming is that there will soon be a great shortage of meat supplies. Zave your breeding stock. They are today Canada's most valuable asset. If you sacrifice your breeding stock now, you will regret it in the near future. Plan to increase your live stock. Europe and the United States, as well as Ganada, will pay higher prices for beef, mutton, and bacon, in the very near future. Remember that live stock is the only true basis of economic and profitable farming. The more grain you grow, the more stock you can carry. The more stock you keep, the more fertilizer for your fields. Mixed farming is real farming, not speculating.

RFFF

idy this table, which was prepared Study this table, which was, before the war. Only one increased its cattle more than its people in the past than its people in the past (Austra.a) in 1914 there was a tremendous loss of live stock through an un-precedented drought-a fact which the table does not show. Do you need any show. Do you ared any table that there is hound to e an increasing demand be an increasing demand for beef? Add to this con-

SHEEP. Canadian farmers have been losing great opportunities in sheep

raising and sheep feeding. Hundreds of thousands of sheep have been alaughtered to pro-vice winter clothing for the soldiers of the different armies.

solilers of the different armies. Australia's losses, through drought in 1914, were very heavy. Canada has been im-porting frozen mutton from New Zealand. In view of these conditions, wool and mutton Canadarose very profilable for Canadarose very profilable for Canadarose very profilable for Canadarose very profilable for the nort subset very area.

SWINE. Through the indis-criminate sale of swine in the Canadian West in

swine in the Canadian West in the past three months, the supply in 1915 promises to be. little more than half of 1914. Add to this the fact that the British solider is allowed jib. of bacca per day, and that British solider is allowed jub. The principal meet food of the German solider, and you will understand the cutlook for the future. Those who stay

ountry			kinds,
Country _	Population Increase Since 1900	Increase	attle Decrease e 1900
France	2%	2%	
Germany	16%	4%	
United Kingdom	10%	4%	
Austria-Hungary	10%	2%	
European Russia	14%		12%
Canada	31%	17%	
Argentine	40%		6%
Australia	18%	40%	
New Zealand	30%	16%	
United States	24%	****	30%

steadily with swine, year in and year out, make money. Those who rush in and rush out, generally lose money. "Buy when others are selling, sell when others are buying," applies to live stock as well as to Wall

DAIREY. Mich cows in-creased in Canada from 3,408,479 in 1991. to 3,804,479 in 1991. This in-crease did not amount to 8% and was less than one-quarter of the population increase of the piece of the second second the piece of the second second milk by Canadians increased 30%. Is there any wonder we add to import 7,000,000 lbs. of butter from New Zealand? The seports of Canadian

The exports of Canadian cheese have been steadily de-clining for ten years. Look at the market prices today. Do they not suggest the advantage of increased production?

Through cow-testing, selec-tion and better feeding, the

n, the destruction of live stock of all

ed, in the war zones. The war has merely hastened the meat shortage of the world. When shortage of the world. When it is over, the farmer with live stock will continue to profit in the world's markets, and, in addition to having helped feed our soldiers at the front, will be in a position to reap a further reward for having stayed with the live stock industr. industry.

1 (23)

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average annual production per ow in Canada did increase from 2,850 lbs. per cow in 1901 to 3,805 lbs. in 1911, but this is only a beginning. Last year one cov in Canada produced 26,000 lbs.

in Canada produced 38,000 lbs. The dairymen of Denmark who supply Grast Britain with butter and bacton are not astis-fied unless their berds average the productiveness of the milch cow. Breed for milk. Test he productiveness of the milch cow. Breed for milk. Test Soliet yw. Sinte your calves. Soliet yw. Soliet yw. Carrient for yield. Read the Agricul for papers and Governmon resports and bulletins on dairying.

CONFERENCES

Now that you have attended the Conferences, or have read about them, get together and talk things over. Also write to the Publications Branch, Canadian Department of Agriculture, Ot-tawa, for bulletins and reports on live stock and dairying.

FARM AND DAIRY

Canadian Department of Agriculture, Ottawa, Canada

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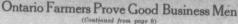


clubs had exceeded the company's ability to furnish speakers. He re-ported that the business of the com-pany had assumed such proportions that it was desirable that there should be a field organizer as well as a gen-eral manager and an excentive head in the office besides the bookkeeper. A full report of Mr. Morrison's address will be given later. The idea of puboften as may be necessary. What We Have We Hold



BELLEVILLE HOLSTEIN **BREEDERS** CLUB

Held in Belleville on Monday, February 15th, it was unanimously decided (in duty to our patrons as well as to ourselves), that owing to the splendid patronage accorded our April sales in the past, and the assurance of a continuation



ed in order that we may begin some-thing systematic in that direction, or thing systematic in that direction, or we shall have to wait until the ac-cumulation of profits enables us todo so. The major part of the paid up capital stock has been used for argan-ization work. Our aim has not been so much to get a large amount of capital subscribed as to get the farm-ers of Ontario organized and inter-ested in our movement. Up-to-due we have 33 individual shareholders, and 86 corporate shareholders. and 58 corporate shareholders. number of farmers represented by the latter may be reckoned by thous-ands. Considering these facts, we ands. Considering these facts, we do not think it extravagant to state that we have had a most gratifying success."

Club Representatives

Club Representatives. It was proposed to amend the con-stitution of the company to enable re-presentatives from clubs to act on the directorate of the central association. It had been understood that repre-centatives of clubs could act in that capacity. Later it was found that a time in the Datasic Commands. capacity. Later it was found that a clause in the Ontario Company's Act prohibits a man from acting as a director on any company unless he holds stock in that company absolutely in his own name. Last year all the directors of the company had bought stock for themselves.

tock for themselves. The larver of the company has under stock for themselves. The larver of the company, Mr. outled Hafforn, of Toronto, was con-trained Hafforn, of Toronto, was con-tives from clubs coil that representa-tives from clubs coil that the representa-tive of the club, and it was decided there-fore that the officers of the company should take the matter up with the proverment, or do whatever else might be necessary to make it possible for representatives of branches to act as directors of the central company sith-out their having to hold stock in their own name.

Secretary's Report

Secretary's Report Secretary's Morrison reported that no effort had been made to extend the movement, simply because the appli-cations received for assistance in or-ganising branches and addressing clubs had exceeded the company's billing to furgish encyces. He see

ishing an official organ in a small way in order that the branches might be kept in touch with the central was approved and the directors were re-quested to arrange for such a publica-tion if possible.

Directors Elected

Directors Elected The by-laws of the company require that two directors aboutd resire each year. The three directors who re-ticed according to the provisions of the by-law were Colonel 7. Fraser, of Burford, John Pritchard of Gorrie, and 8. A. Beck, of South Caynga. In addition. Mr. C. W. Gurney, of Paris, and Mr. C. F. Rath, of Landown-rest to boltantify. Mr. Rath asked directors resulted in the detection of directors resulted in the detection. not to be re-elected. The short analytic directors resulted in the observation of directors being re-elected, with Mr. Lawrence Schuure, of Park Haad, Ont. to replace Mr. Rath. The other directors are: A. E. Yance. Forest, Onl.; Jas. R. Anderson, Mountain View; E. C. Drury, Barrie, C. F. Whitaker, Williamsburg; Geo, Carlaw, Warkworth; A. A. Powers, Orno: W. C. Good, Paris, and Anson Groh, Preston. Mr. A. J. Revnolda, of Solina, was appointed anditor. — Officers Elected

Officers Elected

Officers Elected At a subsequent meeting of the Board. in order that the increased business of the office might be pro-perly looked after, a reorganization of the work was effected. Mr. Anson Groh was elected president and gen-eral manager. Mr. Pawers, vice-pre-sident, and J. J. Morrison, secterary and organizer. C. E. Birkett, of To-countant, was made treasurer. The executive committee will be compared of Mears. Groh, Powers, Good, Drury and Gurney, with Mr. Morrison as an ex-officio member.

Mr. Groß is able to devote to the company whatever time may be neces-sary. He is a practical farmer, who has had a wide experience in various beam of the second second second second confidence of the second second second every way well qualified of finms in revery way well qualified of the second pary should be greatly facilitated. Mr. Morrison, who has been greatly overworked will have his burden light-ened considerably. Marked progress should be made by the company dur-ing the coming year. The directors will meet at least every two months, and the members of the executive as often as may be necessary. Mr. Groh is able to devote to the



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YOU can build or remodel your with BT Galvaniced Steel Cow Stalls and accept the barn plan ser-vice we offer. No high-priced carpen-ters to hims and heard for days. Your barn will could less to frame, yet have greater diverge capacity and more ac-commondation for stock.

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We send you blue-print plans and cross sections, showing best layout for your stable, best widths for cattle-stand, passages, guiters, etc. You can install the BT Steel Stalls in revo hours, with only a boy to help, for hey come ready to set up from our

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Write to-day for full details of this sluable service. Also get our valuable ook, "How to Build a Dairy Barn," al Book No. 21, about BT Galvan-ed Stable Equipment. Either o-oth sent free for your name and ad-reas on a poseal. Write to

BEATTY BROS., Limited 1345 Hill St., FERGUS, ONT.

AN UNPARDUMABLE RESTARS The latter, again, see, the first sector of the sector of

Twenty-one milking cows in the Bramp-ton herd of Jersays were recently tested and the average per cent of fat in the milk for the lot was 5.4.

FARM LUBRICANTS

(25)

205

THE Imperial Oil Company, Limited, manufactures at its refineries at Sarnia and Vancouver a complete line of lubricants especially prepared to meet the requirements of the Canadian Farmer.

Standard Gas Engine Oil, Prairie Harvester Oil, Capitol Cylinder Oil, Eldorado Castor Oil, and Arctic Cup Grease are brands which have been supplied to Canadian farmers for years.

They are known to be absolutely reliable lubricants-each carefully manufactured to meet particular requirements.

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THE IMPERIAL OIL COMPANY Limited

IMPROVED HEAVY-BREEDING YORKSHIRES

Woostick Silver Duckes ith has produced 2 littlers of 15. 3 littlers of the second sec

Canada

Burnside Ayrshires FOR SALE meridib bed Holaten Winners in the show ring and dairy the Antonio and the boline in the state of the state of the state and the state of the state of the state of the state of the state Long Histance Thome in home. R. R. NESS How For All State of the state of the state of the state R. R. NESS How For All State of the state of

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Peterborough Station

When writing to advertisers Faria and Dairy. AUCTION OF ENTERPRISE REG. HOLSTEINS

TUESDAY, MARCH 16th, 1915 TUESDAY, MARCH 16th, 1015 Burplan stock of young hulls fit for service. bull onlives, and 2 grade rearring helices, about 15 head in all. All stired by Lakering the hulls for all starts and the service starts and the service of the pristering has been bound and the service of the service of the service pristering head by the service of the service of the service of the hulls and of proven ones. His day, 100.4 how 1 we will be for built of the butter of the service of the service of the service of the service of the hulls and of proven ones. His day, 100.4 how 1 we will be for built of the service of the se

Bear Sirs.-It certainly pays to advertise. My pullets are all sold and could have sold a hundred if 1 had had them, as 1 am getting re-plies to any ad. every mail. Thanks.

Yours truly. Mrs. Wm. Hadrell.

Mrs. Wm. Hadretti. Our sood "Woonse Fait" on the arms are no longer astisfied with a nongrei flock of fow. They want pur break. This explains the his break was an explain the his manner of the source of the product of the source werthement in it.

FARM AND DAIRY, PETERBORO Samericano

CANADIAN R.F. YEAR BOOK The second second second second second and second secon

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AN UNPARDONABLE MISTAKE

Farm and Dairy, Peterboro,

Bayside, Dec. 26, 1914.



MADE IN CANADA

-205

ICE KILLE

his is the Big Pack on of Zenoleum loc-Killer Powder

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(26)

Deed all Canadian ultural Colleges Experimental Farms and as a disin-fectant at the Livestock Shows, They know

FARM AND DATRY

MADE DI GANADA. If you KEEP HENS, you should KEEP ZENOLZUM. whaf sheet, it is wire Ask your date first, or we will bend direct agrees to use their methods, propaid, one tic, enough for 80 gallons of "dip". Don't worke time and for 31,60; 52,60; 53,60; or a trial tim, enough for moncy in home-made mains of "dip" for 260.

s gallons of "dip" for 35c. FREE YOU MENTION SEENS OUL ADVENTIGHT ADMENTION SEENS OUL ADVENTION SEENS OUL ADVENTION SEENS OUL ADVENTION SEENS OUR ADVENTION SEENS OUR

ZENNER DISINFECTANT CO. 318 SANDWICH ST. EAST. WINDSOR, ONT.



A hundred cents worth of fence for a dollar!

That's what you have a right to demand before parting with your money. That's what we want you to insist upon getting, whatever make of fence you buy. It's what you will get if you buy FROST FENCE.

We have never yet offered any man two dollars' worth of fence for a dollar. It can't be done. We wouldn't expect you to believe us if we claimed to be doing so week after week and still continued in business.

We can make good fence at less cost than other firms because we make our own wire. Frost Wire is carefully drawn to gauge, blen a beausnpered to the proper degree of hardness for fence, and finally given a beausnpered to the proper degree of hardness for fence, and finally given a beausnpered of the properties of the start of the start variations. Any unprejudiced options will readily pronounce

Frost Fence First

We build it for long service. The deep wave-spring in the laterals furnishes ample reserve spring for future give-and-take. "Cheap" Fences fall down right here, because the spring is drawn out of the laterals at the time when the fence is tight enough to stargine to the post, and future expan-sion during the hot summer leaves the fence all slack and out of line.

You simply can't find a weak spot in either the material or workmanship of FROST FENCE, and the test of years confirms your judgment in buying it,

If you can't get FROST FENCE, write us direct. We may need an agent in your district.

Frost Wire Fence Co., Limited, Hamilton, Ont.

MARKET REVIEW AND FORECAST

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WHEAT

is strong. Other lines are practically un-changed: WHEAT When at 82 a humbel is being freely allow? Not Northers has now reached at t, a level was filterated in the past every when a report that finants was pro-ing to undertake a hard exampling signature of the strong strong strong strong strong strong in the strong strong strong strong strong strong and strong strong strong strong strong strong to the strong strong

MILL FEEDS Bran is quoted steadily at \$28; shorts. 30; middlings. \$35; feed flour. \$46 to \$44 he Montreal quotations are: Bran. \$27; horts. \$29; middlings. \$33; moullie, \$34 to 830; ml The Ma

shorts, 83; middling, 833; moullie, 84 to 35. HAY AND STARAW It is not long since the gövernment offer-ed 817 a ton for Net. Bay delivered at Montent... More recently they have been marked is now reduced to local and United Rates demand. So high are freight rates that a larger promo Gardin, Valles, found canadian hay on the other side. This is prohibitive. A Montreal, No. 1 timothy. "A Stark Stark Stark SEEDS

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DAINY PRODUCE The Montreen market reports a general. all-round frames in builtor demand. One been soid at 23%. Car load lots have re-cently gene to Winnipeg at 25% to 35: On this consider example new brings. 36, the source of the source of the source the source of the source of the source prints. So to So: solids, 36s to 36; dairs prints. So to So: solids, 36s to 36; dairs prints. So to So: solids, 36s to 36; dairs prints. So to So: solids, 36s to 36; dairs prints. So to So: solids, 36s to 36; dairs prints. So to So: solids, 36s to 36; dairs for a so travel to the source of the solid of a so a cupitations are concerned. has looked deeldedly more promising for the feeder and drover. There is a general

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March 4. 1015

OUR FARMERS' CLUB Correspondence Invit facesessessessessessesses ONTARIO

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BRITISH COLUMBIA

BRITISH COLUMBIA NEW WESTMINSTE DIST. R.C. (RILLIWACK. Feb. 19—February has been a lorely would. The farmers are turning over the sod at a fleree rate. The steph with orthogonal the structure to the steph with orthogonal the structure borne buyers for the army are around again. They don't seem at all ancious for horses. The buyers give the bornes a very quese test—SN.C.

1015

March 4. Tors

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dy choice er steers, to 86.75: twa, 85.75 5: choice , 84.50 to . 84.75 to to 85 . 895 for to med. lives are

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iter: Thirty-day record, 2y, 10m. 8d ; 1,830,4 mitk 73.04 Bas fat, 91.31 Bas butter, W. Balley, Hagersville, Culamity Zoso, 26465, 2y, 8m. 26d +

FARM AND DAIRY

(27) 200



TORONTO

WINNIPEG

434.9 lbs. milk, 14.35 lbs. fat. 17.96 lbs.

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999, 57, 2754; 10,54 the milk 42 the fast and the batter F. W. Walker, Utican be and the batter of the batter be milk 43 the fast 1050 the batter be milk 43 the fast 1050 the batter of the batter batter of the batter batter batter the batter batter batter, Laidian Brea. batter, Batter Brea. batter batt ter. Lyndenwood Colantha is first among the senior two-year-olds with 22.60 lbs. butter, while Lyons Segis Alta Posch leads the juniors with 15.5 lbs. butter. W. A. CLEMONS. Secretary. 16096, 536,25 SEMI-OFFICIAL RECORDS OF HOLSTEIN FRIESIAN COWS FROM FEB. FRIESIAN COWS FROM FEB. Mature Class I. Fairmont Wayne, 607.6 yr, 14,766 lbs. milk, 62 lbs fat 60 lbs. butter. Walburn E. Elsic Man. d

arteen cows and helfers qualified in Record of Performance yearly test

Results That Are Appreciated

Kerwood, Dec. 26, 1914.

Farm and Dairy, Peterboro:

Term and Darty reservoirs. Deer Sirs-Bockoot find cheque for my advertisement in Farm and Darty, also catalogue marked as requested. I am plenaed with my advertising and also the results from the same, and f can assure you I wish farm and Darty every success and the complements of the seaso.

Yours very truly, WALTER W. BOWLEY.

Such results as these are being secured by Farm and Dairy for its adver-timers from week to week. In writing as sometime afe in reference to a big were requested theoretic the Metters obtains stated that more establishes were requested theoretic the in Metters obtains stated that more antialogues were requested theoretic the state of the state of the state of the other papers in had used. It clearly points out Farm and Dairy careful to an outles maintenance of the purchase of purce bred dairy estite an our auction sales. If you are planning a sale of any kind, make sure of it being a success by advertishing it strongly in Farm and Dairy

FARM AND DAIRY, PETERBORO, ONT.

9967, Sy.; 10,570 463.75 lbs. butter. h. 9285. 5y.; 13,161 lbs. 462.50 lbs. butter, G. H.

Ingersoll.
Enter Man of Grand View, 16006, 6y.;
Enter Man of Grand View, 16006, 6y.;
Ibs. milk. 464 Ibs. fat. 605 Ibs. but-Thos. F. Pattison, Thorold.
Calamity Duckess Foech 2nd, 7664, 7y.;
Ibs. milk. 406 Ibs. fat. 510 Ibs. butter.
Brown, Stanford.

Old Class

fat 10,584 3y. 236d.; 10.584 58.75 lbs. butter.

during the first half of February. Fair-mont Wayne leads the mature eines with the three-year-old charged her mills. In the three-year-old charged her mills. In close stands first with 61.75 Has builts from 12.88 the mills. The two-p-car-olds are headed by fixers 1 west Hengervale Korndyke with 55.55 the, butter from 10.568 thes mills. W. A. CLEMONS, Secretary.

The cows averaged nearly \$200, and the young stuff sold well. The highest price realised for a female was \$200, paid for Elmdale Pearl.

PRICES AT HIRAM REAGH'S SALE some of the prices paid for ficisteins at e sale of Hiram Reagh, Courtland, Ont.

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EDLARIZE your Barns and Dwellings now. Pedlar's "George" and "Oshawa" Metal Shingles typify the highest development in metal roofing. A "Pedlarized" Roof is safe and inexpensive proof against fire from lightning or sparks from the

threshing engine. **Pedlar's** Shingle **JEORGE**

is made expressly for barns and large buildings. It is 24 in. by 24 in., and it requires only 25 shingles to cover a roofes's square of 100 square (t. (10 ft. x 10 ft.). You can lay "George" Shingles yourself with the aid of a hammar, nalk and a pair of anips. The naling flange, of each "George" Shingle has nall holes planed one eshingle is nalled in place, the naling flange is completely covered by the next shingle which effortually each it against rain, snov or moistre. "George" Shingles interlock on all four aldes, proc.iding a roof that is pracicallyone solid sheet of galvapor interlock and the solid sheet of galvapor The 'Ochawa" (16 in, x 20 in) steel shingle, for dwellings and arms, buildings, is of the same hingle quality and "George" Shingle, and has all its special features, excepting size.

MADE IN CANADA

Write Te-day for Free Booklet-size set our guotesions on abautized Conversed iron Siding or Rowing, Corroc Cipps Rowing, Io Covers, Cuivers (Riverted and Nearable), Eaves Tough and anductor Pipe, Finish and Ornaments, Metal Ceilings-in fact, any, ir and everything in metal products. Ask for Cateloogree "y.D."

THE PEDLAR PEOPLE Limited Established 1861 Executive Office and Factories - OSHAWA, CANADA

MONTREAL TORONTO WINNIPEG CHATHAM OTTAWA LONDON

Lass 5502. 3y. 212d.; at. 513.76 lbs. Marys. 17221. 3y. 69d.; at. 513.75 lbs.

Cinss weld Korndyke. 1. Sara

LAWLESS ESTATE SALE The ...'s of Holstein cattle belonging to the Lawkes Estate on Peb. 16th, although a shoriff's sale, was characterised by a good crowd and brisk bidding. Oorrect Ohange, the herd size, was purchased by Mr. Jacob Leussier, or Hright, for \$300.

March 4," 1915

FARM AND DAIRY

(29) 200

Clean Milk Cheaply Produced

ERTIFIED milk ! What a vision these two words bring before us of stables scrubbed, cows scrub-d, white clothed attendants, a perhed. bed, white clothed attendants, a per-fectly sanitary dairy room, and all kinds of extensive precautions that only an excessive price for milk could justify.

This is the usual conception of milk production. This does not mean, however, that people who cannot afford to pay a certified price for milk must of necessity drink dirty milk, or milk containing a very great number of bacteria. At least that is the conclusion reached by experi-menters at the New York Agricul-tural Experiment Station and publish-ed in a recent bulletin. The milk produced in these experiments aver-aged only about 500 bacteria per cubic continuets of milk. The cerproduces in arcse experiments aver-aged only about 800 hocteria per cubic centimeter of milk. The cer-tified milk standard is 1,600 bacteria per cubic centimeter. This standard is taken as ensuring a milk that is above any suspicion of uncleanliness. Here is what the experimenters have to say of their results: "There seems to be no escape from the conclusion that the germ count of these samples was low, simply be-cause the samples was low and the sample and the samples was low and the sample see the provide in a to studies even when unusual care was exercised in stim-ulating their growth. "This milk was produced under

alating their growth. NOT "CENTYER" CONNETTONE "This milk was produced under greenral conficions which appear to be no beter than those surrounding a considerable number of the ordinary city dairies, conditions which pro-bably would not be acceptable to any certified milk commission. Notwith-standing these facts the extended study of the product indicates that in bacterial content at least it is of the very highest quality. That milk of this quality is not uniformly produc-ed under such general conditions is illustrated by the fact that a local commercial dairy in which the me-thods and equipment resemble that at the Experimental Station, except that steam is not available for treat-ing the utenals, quile uniformly turns out a product with a content approximating 1,000,000 germs cubic cummeter.

centimeter. "Under such circumstances it is pertinent to inquire as to the points

A More Modern Type.

silo of to-day is indispensible to the stock farmer. The one here illus-ded a hollow the silo. Is a long, long ance on the primitive structure of the transfer of both, however, he same-the holding of food in the ulest state in which excile like its best.



A Primitive Mexican Silo.

A rimitive mexican Silo. This is an old Mexican adobe class silo in which is stored green feed to carry catile and also it brough droughts. There are some of them centurise old The original Mexican silo was equars, but, the later ones were made round to allow better packing.

of difference between these two dair-ies. At the Experiment Station, the stable is kept cleaner, the cows are wuch cleaner, the milkers are clean-er and the utensils are thoroughis standed. Apparently the wild differ-ence in the germ content of the pro-duct from the two dairies lies in the influence of one or more of these fac-tors." The important fact which is being

The important fact which is being gradually recognized through these and similar observations is that the production of a reasonably clean and low germ content milk will be a far simpler and less expensive undertak-ing when the factors which really gov-ern its production are actually under-stood.

Who Shall Keep Pure-Breds? 107

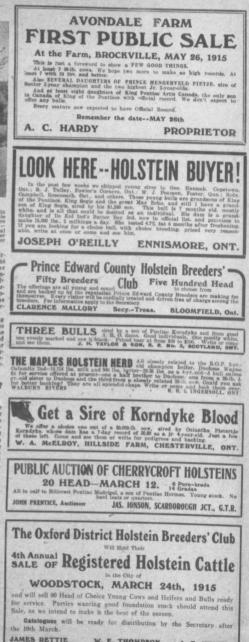
W. A. Olemons, Seet'y Canadian H-F. Breeders' Association. I do not expect that more than five I do not expect that more than fire per cenk of our dairymen will ever be breeders of pure-bred stock. Even if the foundation animals were avail-able, it is scarcely desirable that everyone should blossom out as a pure-bred stock breeder. Only at rare pure-ored stock preeder. Only at take intervals do we find a man with an inherent love of good stock, a skill in feeding, and a genius in mating, which will ensure a steady improve-ment in the herd under his charge.

A considerably greater number of men may be found who are able to

men may be found who are able to keep their herds up to the standard of their foundation stock. With a majority of the so-called breeders there is a more or less steady deter-oration in the quality of their herds. It goes without asying that the opera-tivite of the latter class must be of which between the totals breed with which they are coursend.

Those who belong to the country and small towns to-day are most for-tunate -- President Falconer, Toronto University,

Farm property is the only kind of real estate advertised in Eritish Co-lumbia now. In this class quite a number of transfers are taking place the on Vancouver Island and the Lower Mainland. The brokers as usual are keeping prices up as best they can, but prices and values are much nearer they take the state of the state age.



W. E. THOMPSON Woodstock, Secretary

Norwich, President

A. E. HULET Norwich, Sales Manager

and the st price

SALE teins at

Na ty, 8150 nd Hen-ugerveld alamity No.

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SOLD OUT OF BULLS FIT FOR SPRINC SERVICE We will now of sold out of BULLS FIT FOR SPRINC SERVICE We will now of herd ere, Mercena Postige of Manor. His dam is a promising by our new herd sire. Mercena Positae of Manor. His boautinu: Buil Call, sires oom, bred by a granadson of Sir Admiral Ormsby. This call is about four months of and weighs well over 50 lbs. Must sell to make room. Send for phote and pedigree and weights well over 50 lbs. Must sell to make room. Send for phote and pedigree R. No. 1 OXFORD MILLS. OVER



very attractive figures. Pairs or trios not akin. Young Bulls to head your herd, or females up to three years old.

Write for our special bull offer

FRANKFORD, ONT. LONG DISTANCE PHONE

F. R. MALLORY LAWNCREST FARM

FARM AND DAIRY

Diversified Farming and Direct Marketing

THE 00-acre farm of A. E. Smith & Ban lies some six miles north of the south of the s

minues as darying. Though Holteina and butter are the principal sources of income, they are butter is told to private customer in Hamilton. The versations diokering of the market square is thus eliminat-ed. The customers who want butter also require eggs, fruit, potatoes and pork. The Smiths supply these ar-ticles and obtain a higher price than is all on the open market. The generations entro-ation of the section of the dairy hord, a three-year rotation is followed, though the difficulty of obtaining a generation of the section of the section of the section of the section of the dairy hord. A three-year rotation is followed, though the difficulty of obtaining a

though the difficulty of obtaining a catch of clover sometimes deranges the system. Fourteen area are kept, ander hoed erops — orn, roots and potates. The latter furnish a pro-fitable cash crop. Mr. Smith has been using a corn planter, but last year returned to the grain drill. This method of sowing gives more bulk method of sowing gives more bulk opinion a grant amount of grainia a not necessary for the best quality of consilace. onsilare

Turnips and mangels are sown to-

"IE 90-acre farm of A. E. Smith & gether. If the mangels thrive the Son lies some six miles north of turning are weeded out. If as often

was 5000, but that is considerably be-neath average yearly returns. The trees are sprayed three times during the spring. Last year a fourth spray-ing was tried, but that failed to prescab on the late apples

There is a boant house on the farm, and a man is employed by the year. His time is fully occupied by the live stock and of the business. Seasonal labor is hard to secure and there is no time to be devoted to the rather slow process of thinning. Some 300 or 400 pear trees and about 60 cherry trees also add to the goal sevenae. The latter are not they right before the other fruits and there are before the other fruits and the apples during the runner. The Moarts. Smith have attempted to deal with the household labor prob-

to deal with the household labor probto deal with the household labor prob-lem by using a small gasoline engine for running the churn and washing machine. It also aids materially in spraying operations. Though the sen-ior member of the firm is over 70 years of age, he is still an enthunisatic cattle broeder and dairyman. But even in this day of specialization he and his son have found diversification profitable.

Financing the Cooperative Association Frederick C. Doan, Lincoln Co., Ont.

L of days at the annual meeting of the Ontario Fruit Growers' As-sociation. Incidentally I got some

valuable pointers on the organisation and management of the Cooperative Producers' Association. Particularly Producer's Association. Particularly was I pleased with the suggestions made by Mr. F. C. Hart on the fin-ancing of these associations. Financ-ing is a difficult problem in any case, but when we must find a scheme that will append to a score or more mem-bers, probably all with diverse ideas. one gets an appreciation of the difficulties of cooperative financing.

One suggestion made by Mr. Hart One suggestion made by Mr. Hart was that an association might be fin-nanced on the joint note of its mem-hera. This appeals to me as being a far beiter plan than the common one of selling shares. Where shares are sold and the organization run on the joint stock basis, the capital raised must be arflecient to finance the it-crear. Dring most of the year the capital will be lying idle. On the other hand the joint and several note of the individual notes of the mem-bers of the association may be used as collateral at the bank for just the amount of capital that is needed and for the time during which it is need-ed. Thus interest will be paid out only on the money that is actually be-ing used. The members will not need to put up any actual cash. Any asso-ciation should have capital enough to pay cash for goods when they are able was that an association might be fin-

Frederick C. Dona, Jincola Co., Ont. AST fail spont a pleasant couple the Ontario Fruit Grover's As-liable pointers on the organisation d management of the Cooperative associations was cleared up of devert Association. Principal of the suggestion is I pleased with the suggestion is a difficult problem in any case, it when we must fail a scheme that is appeal to a sucre of more mean. A reserve fund also, Mr. Hart suggested, should be kept on hand to

tide over a depression. Having given these points on fin-aucing perhaps a few extracts from the remarks of Mr. Hart which still

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the remarks of Mr. Hart which still clog my.memory might be appreciated. "Every association needs a real business manager," said he. "The association, hewever, should never be allowed to become a one-sman propos-tion. The directors should always be in close touch with what their man-ages to doing. "These to give all a of the association.

howing and interest in the running of the ascosiation. "It is always sound business prin-tiple to give buyers a little better should endeavor to come a little order andard." "Most associations are extremely owned. Why not hire a girl for a fourts. Why not hire a girl for a books at a busy season."

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March 4, 1915

Jim Botts Escapes Reprobation

Jim Botts Escapes Reprebation. (Continued from page 18) me alone here with wi's old Aunt Choice on the place. Law won't you won't be growe down a we'll and the second second second second work to growe down a we'll and this time. Sunce and yeen a se-and the growe down a we'll and the second sec

at last he made a desperate effort, and he says, says he: "How's your pa's cotton, Susie? Our'a ain't got a good stand, and I'm afraid the boll weevils is goin' to be mighty bad. I didn't see you at the meetin' last Wednesday night, and—"

What Precipitated the Proposal Jim hadn't but just got stuck on them identical words, when it seemed that for time interfered right in the interfered right in the there's no tellin' what would have happened. For all at once Susie let out an unearthy scream that you could have heard putty near to town and run right over to that feller and took a-hold of him. That was be-cause there had come a-creepin' out from under the sofa she was settin' on a great big five-foot ratifer that started to coil himself in the middle of the room makin' his rail buzz all the time like a circular saw. Well, Jim, he picked up a chair and What Precipitated the Proposal

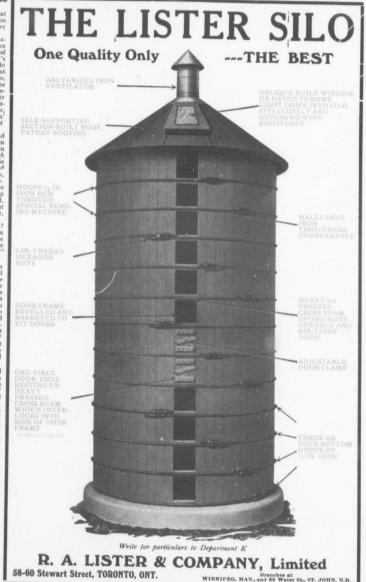
the time like a circular saw. Well, Jim, he picked up a chair and smashed at the snake and threw him out of the door in a minute, then he turned to Susie, who was a hangin' to him and takin' on dreadfui; and in the excitement of the rookus, ding-bust me, if he didn't forgret all about his bashfulness, and purty near carry that zirl, who was about to faint, clear over to the sofa and put his arm around her and try to comfort her, tellin' her that there wasn't no more danger now, and that he'd promore danger now, and that he'd pro-tect her, if it rained rattlers and cot-tonmouths, to boot.

tect her, if it rained rattlers and cottomouths, to boot. And mighty soon Susie got com-forted all right, and told him that with him a-sittin' there she wasn't afriad at all any more, not even men-tionin' his arm. And still the bash-uitness kept away from Jim, and they tect to talkin' earnest and confidential tike, and may I be everlastin'ly dad-burned, if Jim - yes, that infernal, bashful Jim Botts-didin't spunk up and tell that there purty girl that he lowed her harder than a sugar mule could kick, and as the sid 'yes,'' just a sugar multi-stand the statist''s spunk up and tell that there purty girl that he lowed her harder that a sugar mule could kick, and as the sid 'yes,'' just a sugar shad natural as if he'd been south Jim together as a special sign that he'd escaped reas a special sign that night how she'd lifted a great hat night brother Calder about this hove to for him and saved his sould by lettin' him prove that he could do any lettin' further and the could do any longer.

A month later they were married. That feller that used to go around lookin' solemer than a owl at a funeral was as happy that day as a nigzer goin' courtin'. He laughed and joked with everybody, like he'd always been that way; and he says to Brother Colder, says he, "If I'd asknown that the givin' up of idols when many, I been a member of the church long ago, I shore would." soul any longer.

FARM AND DAIRY

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Silo Building Activity

Close estimates show that during the

1914 taught its lesson with such good effect that the coming season will be our greatest in silo construction. Most of us have learned that the silo is by all means our most economical way of handling the feeding problem. Com Close estimates show that during the our greatest in sile construction. More past season, Eastern Ontario dairy in have learned that the sile is by and stock farmers built 902 siles. In all manwe learned that the sile is by one township alone, over 20 siles were handling the feeding contains way of rushed up directly as a result of this has been our one great salvation in apparent shortage in feed as compared the production of cheaper milk. It with the men who had siles. The is scarcely possible to make a close total number erected over all Ontario cstimate of the number of oorn tanks would possibly exceed 2,000. And yet that will go up in the next year. 212 (32)

animals. Price per package, 50c.

will follow its use. In bottles of two sizes, 50c and \$1.00.

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