FARM AND DAIR! RURAL HOME



BETTER FARMING

Peterboro, Ont., Dec. 2, 1915





FRENCH CANADIAN AND AYRSHIRE COWS AT OKA AGRICULTURAL INSTITUTE, LA TRAPPE, QUE.

ISSUED BACH WEEK Rural Publishing Co., Ltd., Publishers ONE DOLLAR A YEAR



B-L-K Milkers Save Money

The greatest advantage of Burrell-Laurence-Kennedy Machine Milking over hand milking is the big saving every year in actual each when you add this to the other advantages you can not but admit that milking by the B-L-K method, as one customer puts it, "Has you hand milking beat by a mile," no matter what way you look at it.

Sanitary Milk Cows Milked Clean Miking Time Cut In Half Large Yields

A Big Saving in Labor and Money

Each of these features mean

BIGGER DIVIDENDS

FOR YOU

JUST AN INSTANCE TO SHOW WHAT ONE MAN IS DOING:

He is taking great pains in the scare of the milk and the way the cowe are handled, but he is milking 100 cows in two hours with six machines, operated by two men, and a third to carry the milk. He effects an actual saving of \$1,500.00 per year, with an equipment that cost him \$82.25 complete.

It is impossible for us to tell you more this week, about the B-LK, and what it can do for you in the way of saving labor, money, etc., but if you '-p us a card we'll gindly send you liberature, giving full details, (so your card and pen now, before the matter slips your men'y.

D. Derbyshire Co., Ltd.

Head Office and Works: BROCKVILLE, ONT. Branches : PETERBOROUGH, Ont., MONTREAL and QUEBEC, P.Q. WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

THE ANNUAL **Breeders' and Xmas Number**

Farm and Dairy

Will be Published

Dec. 9

Breeders' and Dairymen who wish to have their herds represented should write us not later than

Dec. 6



The Waldorf Astoria Beehive T. Percy Blanchard, Hants Co , N.S.

Y Neighbor and I were look-ing at my little flock of bees. He listened very patiently, While listened very patently, while I recited my little song about the bees that swarmed, and the bees that made in home the our talk district off the little so for the littl

be permitted to repeat; when a man knows nothing about bees, it is wonderful how ferfile of good ideas his brain is. An old maid's wisdom regarding the up-Bringing of bad little boys suffers sadly by the coa-parison. So as "My Neighbor" and I were equally in a state of blissful ignorance, we carefully and very ignorance, we carefully and very ignorance, we carefully and very conscientiously began to devise and draft a big bee apartment house. We concluded that the hive should have the usual depth of about 20 inches outside frame measure. But, instead of having the ordinary width of 18 inches, our bee-hotel would be eight fent wide. So, or inches, our bee-hotel would be eight feet wide. So on a sufficient bottom board we drafted a brood chamber eight feet long or wide hottom board we drafted a brood-chamber eight feet long or wide and twenty inches de-p, and the or-dinary height. The entrance, instead of being at the usual front, was to see at the end; making a clearway of 18 inches after allowing for thick-ness of wall. At first, about six, brood frames would be put in; and all beyond shut off by a board par-tition inserted from the top. As the colony increased, this partition

all beyond shut off by a board partition inserted from the top. As the colony increased, this board in the colony increased, this board in the colony increased, this board in the colony increased, the board in the colony of th

the question came with these divided covers and supers, how can we keep out the rain? "My Neighbor" laughed at that as an objection. Why, any carpenter could make the thing water tight. But I doubted. There is a marvellous enjoyment in doubt-

ing; in raising objections to another fellow's proposition. First, it gives one the reputation of having a very leven and the reputation of having a very high order of intellect; and then again it makes the other fellow amend and twist and circumscribe his proposition; it is the feeling of the spoilt child when his mother brings him some bread and molasses because he is not feeling very well to-day. I knew well enough that the thing could be made water-tight; but all the same I objected. So "My Neighbor." had to amend his plan just to suit me; and how easily he did it. The floor board was widened several inches all round. ing; in raising objections to another widened several inches all round. Then an outer shell was built around our big hive about two inshes from it and running an inch above the top of two supers in place. The interactice between the hive proper and this outer shell would be stuffed with chaff as high as the top of the brood chamber; and a big watertight top with an overlap lid put on to cover it all. This would be a summer and winter hard. widened several inches all round

summer and winter hotel. I told him that when such an or-nament stood out on the fron: lawn, it would lack just two things:—a wreath of white roses on the top, and the inspection in Roman letters on each side "memento more"—
"prepare to die"; and a scull and
cross bones at each end. "My
Neighbor" wanted to know what I got for my Gravenstein apples? I could not see what that had to do with bee hives; but then I never was very bright on meta physics.

The Forest's Prime-Evil By Jas. Lawler

MAN there was and he let his Burn down his neighbor's shed,

But he was tried and sent to jail
And "Served him right" they said.

Oh years he spends at breaking stone, And he sleeps on a soft plank bed For carelessly burning his neighbor's

And his fifty dollar shed

A man there was and he let his fire Burn down a forest wide.
Millions of dollars went up in smoke,
Thousands of animals died.

Settlers rushed from burning homes, Some were burned in their beds, And to-day o'er the place where this was done

A deathlike desert spreads.

And the man went back to his distant

With a buck and a hunting tale, And none of his neighbors rose to remark That he ought to be sent to jail.

A fool there is and his name is US
As the blindest man can see.
If its jail for the man who burns a

While the burner of forests voes free.

Coming Events

Toronto Fat Stock Show, Unios Stock Yards, Toronto, Dec. 10-11.
Ontario Beekeepers' Convention, Toronto, Nov. 23-25.
Alberta Winter Fair, Dec. 14-17.
Western Ontario Dairymen's Covention, St. Mary's, Ont., Jan. 13-15.

Ottawa Winter Fair, Ottawa, Jan. Ontario Provincial Winter Fair, Guelph, Dec. 3-9, 1915.

Milk and milk products constitute one-third of the entire food supply the British Empire.—Dr. Hastings. Health Inspector, Toronto.



Trade increa Vol. XXX

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

Vol. XXXIV

PETERBORO, ONT., DECEMBER 2, 1915

No. 48

Evidences of Progress in Cow Testing

Interest is increasing as the Money Value of the Test Becomes More Apparent C. F. WHITLEY, DAIRY DIVISION, OTTAWA

F we may assume that cow testing is of some value to dairymen, we may hope to find some evidences of progress. A hasty sketch of two or three results may therefore be of interest.

One evidence of recent progress in cow testing is the marked increase of interest taken in it by the average dairy farmer, interest real and widespread. Requests for information on the subject and for record forms come by almost every mail from all provinces. One demand for a further supply contains this typical statement, "I would not like to stop weighing; it is a surprising check on the feeding and working condi-tion of the individual cow." That man weighs every milking.

A second evidence is the decided influence cow testing has had on general public sentiment. Occasional discussions on it are overheard amongst non-dairymen in public places, frequently with this commentary, "what a simple and sensible proposition." It is not regarded as a freakish experiment; indeed, cow testing has proved itself a vital necessity to the progress of the true dairyman. Invisibly banded and corded together as such good men are now, the time seems almost ripe for a membership badge or a club button as a distinguishing mark of honor for these leaders, real benefactors of their communities.

Where Farm Improvements Flourish

Then the solid and substantial improvements made on dairy farms belonging to this progress club of cow testers constituted even to the most casual observer a third strong evidence. Where do you note the abundant forage crop, the improved stables, the windmills, the new silo, etc., etc.? On the very farms whose owners use milk records. Local tradesmen and machinery agents have that fact sized up, and to those particular farms stream through the local dealers the laborsaving implements, the good piano, the new dresses, the inside plumbing and lighting systems for the deserving partners in the home. Cow testing helps along "business as usual"; it rests not there, but always in the van of progress issues a summons to every devotee for "better business than ever."

Turning now to the personal equation, we find in the large crop of benefit reaped by the farmer himself a fourth evidence in such improvement made in the ordinary dairy herd that registers on the luminous dial of progress not merely present gain, but a forecast of future greatness. We find, for example, that the standard of production is being steadily advanced, men now talk freely of 7,000 and 8,000 pounds of milk as a herd average, and that type of owner aims even higher, while the type formerly content with 4,000 pounds

*Part of an address delivered to the Eastern Ontario airymen's Association, in convention assembled.

per cow has mounted a few solid rungs up the ladder of progress. We find also amongst our cow testing members dairy herds with less indiscriminate mixing of grades of three or more

breeds, herds where the proportion of low testing cows is deceasing, and herds that are of far more even production (where the lowest yield any one month is 730 pounds of milk and 23 pounds of fat) because dairy records have helped in selection.

The Educational Value of Testing

So the educational features of this movement are of decided importance. For the knowledge obtained and the study induced by keeping records weight down heavily the scales of selfdevelopment of the farmer and his family, while the opportunities now being embraced of introducing this subject through schools and short courses must be laden with large and valuable freight for the dairymen of to-morrow.

It means to any herd owner far greater efficiency than he now has, because while one score that counts is "more milk," the bull's-eye aim is "more economical production by each cow in the herd." The successful shot on this target is dependent not only on a strong faith in the permanence of the dairy business, but also on having a thoroughly reliable and up-to-date equipment of cows busy behind each manger. In that aim cow testing has abundantly proved itself, wherever intelligently used, an indispensable range finder.

While we entertain unbounded admiration for the good dairy cow as an economical producer of delicious food for mankind from the coarsest of feed, yet we can only stand aghast at the large room there is for general improvement. Taking a survey of 650 herds in ove five eastern provinces, I contrasted the best cow in each herd with a poor one, the lowest yield but one, and obtained this result; valuing fat at 30 cts. a pound and allowing \$35 as the average cost of feed, each one of the best cows gave as much profit above that feed cost as was made by 15 cows of the poorest type. This comparison of 1,300 representative cows surely points out one great want, a better supervision and direction of willing, but at present quite erratic, cow energy is urgently needed on many a farm to-day; with 15 to 1 the odds are altogether too unequal. In this great cow game, duly indexed on fateful cards, what hand do you hold? Have you four dairy queens, a royal flush, or some mean little two spots?

It is the outstanding privilege, more, the bounden duty, of every dairyman to move the pointer on his own pressure gauge of efficiency. Cow testing is good insurance against losses, and builds a solid concrete dam against the deceptive leaks caused by those poor cows that dribble only a meagre 125 or 130 pounds of fat in a season. We need to replace that too costly kind, that deciduous cow shedding her leaves too early in the fall, by the economical almost evergreen type that in an honest season's work cheerfully gives 280 or 300 pounds of fat. To weight and sample is but a trifle, a matter of only half a minute; from that tiny seed act climbs the sturdy plant of

(Concluded on page 16.)



Cows of this Type Become More Common as the Cow Testing Movement Extends Its Influence
-- Photo by an editor of Farm and Dairy on Farm of John Murphy, Dundas Co., On

Make the Farm Self-Sustaining

F. O. T., BEAUHARNOIS DIST., QUE.

COUPLE of years ago, according to a report in Farm and Dairy, Senator Derbyshire remarked at an Eastern Ontario Dairymen's convention that the farmer should grow all of his own feed. I remember that Farm and Dairy disagreed with the sentiments and rightly so. All good dairymen buy at least some concentrates. The Senator may have been merely making a strong statement, however, to emphasize the fact that more feed should be grown on the average dairy farm. The need of strong statements in this regard is well illustrated in our own district. On most of the farms hay is the principal cash crop, and brings in a large part of the farmer's income. Most of these hay farmers, however, claim that they are dairymen, in that they milk a few cows and ship a little milk to Montreal. They grow little cow feed outside of mixed hay, which is mostly timothy. Hence they all are heavy purchasers of grain. I believe the majority of them would be better off without the cows they have unless they can make up their mind to break up the meadows and grow crops better suited to

My experience has convinced me that the grow-

ing of proper roughage on the farm will reduce the grain bill by more than one-half. Good roughage is as essential as grain to heavy milk production and with it more milk can be produced at less expense. The most important crops for the dairy farm are corn and roots and clovers. The growing of all of these crops necessitates Red a crop rotation. clover, 1 believe, will grow anywhere, except on low, undrained land where alsike is preferable. I am sorry that I cannot recommend alfalfa, for this section at least, where the country is flat and the draining indifferently done with open ditches. Where it is possible to properly tile drain a farm, alfalfa

would certainly be worthy of a trial.

Mixed Corn Varieties Preferred

For coin I prefer to plant a mixture of Dent and Flint varieties. In some years the Dent corn will reach a fair degree of maturity and make good fodder. In all years Flint will mature well and a mixture of the two assures us of a reasonable quantity of good quality in any year. So far as grain is concerned, I question if we can afford to grow much outside of that needed for seeding down and for this section of Quebec I would recommend a crop of oats rather than mixed grain as the oats come in better for feeding the horses and are also a fine milk making

Now for a definite plan. There is no better rotation for the province of Quebec than the one that we ourselves follow. It is the ordinary fouryear plan, sod plowed for corn, grain seeded down to clover, clover hay one year, pasture one year and then plow again for corn. We have followed dairying on this new basis long enough to realize that hay farming is not comparatively profitable. So we take only the one crop of hay or enough to feed our own stock. If hay is still desired as a money crop, however, the same rotation might be followed, only extending it to five years and taking two crops of bay. I guarantee that on this plan a farmer will get as much hay in two years as he would get in four years when the meadows are cropped of hay year after year. The first crop of clover will be good only for stock food as it does not sell well on our markets. The second crop, which will contain a large percentage of timothy and a little clover, comparatively speaking will make poor food and will realize more on the market and it is the crop that should be sold.

The adoption of our plan involves a silo for the corn, a good cellar (or pits) for the roots, and following it one soon gets a hankering for larger and better quarters for the cows. The beautiful thing about this system of farming is that if it is followed a farmer has the money to provide all of this new equipment.

Head Work That Counts T. H. D., Chateauguay Co., Ont.

NLY a few miles apart on the road running down to the international boundary are two farmers. Both live near enough to the boundary that they can drive over to visit Uncle Sam of a

EQUAL PERDING VALUE ALFALFA HAY RAISED ON 3 ACRES RAISED ON AN ACRE

COST OF PRODUCING-E CUTTINGS 48.26

A Graphic Representation of the Value of a Home Grown Roughage. This diagram, circulated widely by the North Dakota Experiment Station, contrasts the value of an average yield of slaffs with an average yield of oats. The deduction drawn should effortage many who have failed with affalfs in the past to try again, giving the crop every chance,—inoculation, liming, and so forth.

pleasant summer evening and be back in good time for bed, but they are on the right side to vote for the men who go to Ottawa and follow

COST OF PRODUCING \$21.03

the war news as citizens of the Empire. One of the two is an extra good farmer. He is a hard worker and is getting on fairly well. The other is said by his neighbors to be on the lazy side. Certain it is that he doesn't get as good crops and is seen more frequently in town than Farmer No. 1. The part that many cannot understand is that Farmer No. 2, in spite of his apparent carelessness, drives just as good a rig as his thriftier neighbor, wears just as good clothes, pays his bills as regularly, and, as is well known, is not running into debt. He is equally successful financially with Farmer No. 1. The explanation is "head work."

A few months ago the local hog buyer visited Farmer No. 1 and secured his entire bunch at \$7.10, the price that had prevailed for some time Farmer No. 2 excused himself long enough to call up Montreal on the long distance 'phone and find that hogs had gone up 50 cts. a cwt. The buyer knew that \$7.60 was a fair price on the advanced market, and he paid it. Only a short time ago this same farmer made \$4 a ton more on his hay by shipping to Boston rather than sell to his local dealer as did Farmer No. 1. So it is all along the line. The first man of the two is working very hard with his hands, and so is getting on well. The second farmer is working less with his hands and more with his head, is doing equally well.

Why we Value our Car

Norman Ballantyne, Perth Co., Ont.

AST year, half a dozen farmers in our neighborhood purchased cars. Ours was one of them. A lot more have been bought this year, and if all get as much satisfaction from their autos as we have, farm-owned cars will soon be more common on the road than buggies.

The greatest drawback to the car as a farm convenience is that it must be shut up for the winter. On many farms, however, it is the regular practice to drive heavy horses, and here a car comes in nicely. We, however, prefer a good driving horse when we drive at all, and we have solved the problem nicely. We have a well-bred driving mare. She raises a colt for us in the summer and is an excellent driver in

We have not found our car unduly expensive, We drove it for seven months in 1914, and covered 1,500 miles at a cost for gasoline and oil of \$20. Of course, it is a new car, and we have had no repairs as vet. That 1,500 miles represents all the driving we could do and more than we would have done with a horse,

Our car has afforded us many a pleasant holiday, Last sun mer, for instance, we went to the Southern Counties Ayrshire Breeders' Club Meet at Mt. Elgin, 36 miles. We left at nine in the morning, and were back by seven at night. The whole family went along, four-persons. The railway fare would have been \$11.20. The cost for gasoline and oil was \$1. We didn't have to worry about connections, and we had a great deal better time than we would have had on a railway car, seeing some of the most beautiful sections of Oxford county to best advantage, On one pleasure drive of 125 miles this past summer, we used just five gallons of gasoline. With gasoline at 18 cents a gallon, this makes cheap travelling. In a busy time the car may be used to bring home bran and shorts or any hing that can be got into the car. On one occasion I brought home a wheelbarrow. During have and harvest we have often been able to save time in obtaining repairs for machinery.

The big item in car maintenance, I know, comes from tyre troubles, but I believe that these are largely due to failure to keep the tyres properly inflated. The farmer who will watch this point need not worry about undue expense. And he who owns the car may start out of a pleasant evening, go for a spin of 25 miles, and be back at a reasonable hour. We ourselves saw more of our own township the first year we had our car than we saw in all the years preceding.

Farmers in the past, if fortunate in their business, banked their capital. Do banks loan it back to farmers? Not often. It goes to trust companies and big financial corporations, and is invested beyond the ken of the man who produced the wealth. Better invest your money in your own clay bank.-Nelson Monteith, Perth Co., Ont.

Our implement shed cost us about \$40 in cash. Most of the lumber came from old buildings that had been torn down. We paid the carpenter \$10 to frame it. The dimensions are 46x23 feet, and we are confident that it has already saved us three times its cost. An implement shed is as good an investment as a man can make.-Chas. S. Brown, Peterboro Co., Ont.

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HERE is Chester Montreal. I of Eastern C Pacific Line. shipped from shipping poi are surround enterprising of the most tion was Mr. ings are rig one time Mr herd has nov of being a w ering to the Wm. Casseln local authorit ing, and a cently spent man in his 1 From 1894

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Mr. Cassel ing 120 acres is not runn dairy farm b milks only 1 ville is a con armer No. 1 man of the hands, and d farmer is ore with his

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ut \$40 in cash. buildings that carpenter \$10 46x23 feet, and eady saved us ent shed is as make.-Chas.



At the End of the Village Street: The Home of Wm. Casselman.

few years ago Mr. Caseelman milked & cows on his farm bordering on Chesterville in Dundas Co., Ont. Now milks eleven. In an article adjoining an editor of Farm and Dairy tells of a chat with this one time extensive dairyman, whose home may be seen in the lilustration.

From Eighty Cows to Eleven

HERE is probably more milk shipped from Chesterville than any other point serving Montreal. It is the great milk shipping centre of Eastern Ontario. Further up the Canadian Pacific Line, great quantities of milk are also shipped from Inke...an and Mountain. All three shipping points are in Dundas county and all are surrounded by splendid dairy farms, run by enterprising dairy farms. A few years ago one of the most extensive milk shippers of this section was Mr. Wm. Casselman, whose farm buildings are right in the town of Chesterville. A. one time Mr. Casselman milked 80 cows. His herd has now been reduced to 11 head. Instead of being a wholesale milk shipper, he is now catering to the retail trade of his neighboring town. Wm. Casselman is still recognized, however, as a local authority on all things pertaining to dairying, and a Farm and Dairy representative recently spent a profitable evening with Mr. Casselman in his home.

From 1894 till last year Mr. Casselman shipped milk to Montreal. He kept extending his business until finally he was milking 80 cows. When his business was at a maximum, Mr. Casselman turned philosopher. He began to wonder why a man should work and strive in making a drudge of himself to a big dairy enterprise when a good living could be made with much less worry, even if he did not have the satisfaction of seeing a lot more money pass through his hands. decided that a 100-acre farm was big enough for any man," Mr. Casselman told us. "I mean a 100-acre farm that is thoroughly improved. There are too many farmers working unimproved land and there is hardly a farm even in this township that could not be improved by drainage."

A Retail Millk Trade

Mr. Casselman is now working 120 acres of land, but he is not running it all as a dairy farm by any means. He milks only 11 cows. Chesterville is a comparatively small

town, the Casselman stables are right within the corporation limits, and the people of the town come right to the stables and get their milk: thus the trouble and expense of delivery is avoid-This trade brings in about \$1,800 a year, and it does not take much of the land to sustainthe dairy herd. We were interested in finding out how this ex-dairyman is farming what was once the most specialized dairy farm in the dis-

Seed grain we found to be one specialty. This year there will be 1,000 bushels of oats for sale as seed. Fat cattle bulk largely in the operations. In the fall Mr. Casselman buys in a bunch of cattle and fattens them on turnips and ensilage, feeding them no grain whatever. This is unusual treatment, but the local butcher was prepared to testify that the beef finished in Mr. Casselman's stables is the best that he can get. "I could fatten the cattle more quickly with grain, but not so cheaply," affirmed Mr. Casselman.

"I feed considerable alfalfa hay," Mr. Casselman told us. "It is not generally grown in this locality, but most farmers are trying a patch now. I believe we have a little better chance to succeed with alfalfa than most of our neighbors. There is natural drainage along the river and it is here that we grow our alfalfa, a strip of about seven acres. In addition to this piece, we have 13 acres in alfalfa in another part of the farm, and I am now making a practice of sowing a little alfalfa with everything. I did it at first thinking it would inoculate the soil to prepare for straight alfalfa seedings later on. We had no trouble getting a catch, however. The river banks were full of sweet clover, and this probably inoculated the soil for alfalfa. I will tell you, too, that I have come to the conclusion that alfalfa will winter kill less readily than red clover."

Mr. Casselman has been growing alfalfa about six years. His neighbor, Peter McIntosh, however, was probably the first man in the township to grow alfalfa.

Feeding Methods

Although Mr. Casselman is not now heavily engaged in dairying, the marked success that he made of his business as a dairy specialist, makes his feeding methods of particular interest. "When feeding cows in ful! flow," said he, "I give them all the ensilage they will eat, 40 lbs. of pulped roots, what clover or alfalfa hay they will eat clean and almost al' of the grain feed they will eat, a mixture of oats, bran and oil cake. This may be heavy feeding, but heavy feeding pays. When I sold our herd there were only three or four that would not give 50 lbs. of milk a day sometime in their lactation period, and I planned to have them at full flow in the winter

The Casselman's still work what most of us would consider a good sized farm. Their situation gives them all of the advantages of an educational and social nature that a small town affords. They are making a good living and probably the life that the proprietor leads is to be preferred to that of manager of an 80-cow dairy.

> Why I Favor Winter Dairying J. P. Fletcher. Fulton Co , N. Y.

COW that comes in from September to November, according to my experience, will make 10 per cent more butter in the year on the

some kind of feed and the same amount of care than it she came fresh in March, April or May. There are a number of reasons for this. Cows that freshen in early spring will give a good flow of milk when nut on grass. They will give a good flow of milk through June, but when the feed begins to shorten and the heat of summer comes and the flies annoy them, they will certainly shrink one-half and you cannot get them back. They have given you a good flow for perhaps four or five months in a year, and will give a small amount, say, from 12 to 15 lbs. a day, clear along into the winter. They will give you that almost half the year. But if a cow comes fresh in September, when you have plenty of green feed of all kinds, you can keep that cow up to that full flow, and when she comes to the barn give her good feed, as we dairymen do in the winter time, and she will hold that flow right up until April.

(Continued on page 9)



A Simple Apple Grading Machine Such as is Used by the Fruit Growers of Nova Scotia-Cooperating fruit growers soon learn that their success will be measured largely by their ability to guarantee the quality of their pack. At first freedom from blemishes was emphasized by the fruit societies of Nova Scotta. Now uniform size of all fruit in one package is also desired, and eimple grading machines, such as the one here illustrated, are coming into general use. This particular grader is used by the Waterville Society.





terpiece of the highest type, with our im-ods of cooling, governing and sparking d, biggest value. All sizes Save money

GILSON MANUFACTURING COMPANY 7 York Street, Guelph, Canada

Items and Reports of Agricultural Interest

The big dairy barns on the farm of Jas F. Anderson, Mountain View, Ont., were totally destroyed by fire a few days ago. The large herd of Holstein cattle and several horses were saved through the timely assistaance of neighbors. Only a shifting of the wind saved the house. In the barn there was 2,000 bushels of grain and the hav and straw of the season's

Anyone in Ouebec interested in Anycae in Ouebec interested in poultry raising cur receive on application to Macdenald College, a copy of "Farm Poultry," a bulletin recently issued from that institution, the author of which is M. A. Iull, Lecturer in Poultry Husbandry. This bulletin, dealing with all phases of practical poultry keeping, is one of the poultry from the poultry frame of the poultry frame that has ever been issued. Be

farmer that has ever usen issue and get one.

The report of the proceedings of the annual meetings of the Eastern and Western Ontario Dairy Associations, and of the Ontario Cheese and Butter Makers, for 1914, has just been all the process of the control of the other of the control of the co issued under one cover by the Ontario Department of Agriculture, Toronto, Department of Agriculture, Toronto, and a copy may be had upon application. These reports make most helpful reading for dairymen. They furnish the very latest information by the best equipped men in the Province regarding the testing and selection of dairy herds, milk and testing, milk-ing machines, butter and cheese making, etc. In fact, everything the modern dairyman is interested in is here treated as its novelty qr its im-portance may demand. The discus-sions are particularly free and in-

No report upon cooperative agricul-ture is more highly prized than that of the Ontario Agricultural and Ex-perimental Union, the secrétary of which is Prof. C. A. Zavitz, who has an international reputation as a careful and honest field observer. The annual report for 1914, just issued by the Ontario Department of Agriculture, Toronto, contains carefully prepared accounts of like work done in an experimental way by over 4,000 members of the Union, and the clearly summarized results make good reading for progressive farmers. This year extra emphasis has been laid upon the question of the cause and siddage of positions would not be desired. upon the question of the cause and riddance of noxious weeds on the Four specialists handle this conject from various angles, and their deliverances will bring comfort and help to many anxious farmers. A copy of this report may be obtained by addressing the Ontario Department of Agriculture.

Government Commandeers Wheat

THE Dominion Government announces that during the past few weeks it has made arrangements to supply the allies with several million bushels of Canadian wheat. To enter openly, on the market to purchase this wheat, would cause abnormal advances in price and commandeering has been decided upon. The Government has ordered held for their use all the wheat in terminal elevators at the head of the Great Lakes and im all other elevators at shipping points to the east, in all about 18,000,000 bushels.

Grain dealers in the east whose sur

Grain dealers in the east whose sup-Grain dealers in the east whose supplies have been commandeered and who now find themselves under the necessity of re-filling their orders on forced buying in the West, anticipated that this action of the government will be a cause of loss to them. The government believes that indirectly their action will result in

higher prices to Western producers. While the majority of grain dealers who have expressed as, opinion on the government's action, believe that it was prompted mainly by a desire to help the allies, they also believe that it was intended in part to placate the Jestern grain growers en lieu of a reduction in the protective tariff which the grain growers' have been demanding. been demanding.

My Drainage Testimony D. F. Armstrong, Leeds Co., Ont.

D. P. Armstrong, Leeds Co., Ont.

In Starm and Dairy of Nov. 1s. I noticed several articles re tile drainage. I would be several articles re tile readers of the excellents of the several control of the seve

Wanted Horse Hides and Cattle Hides for coats and robes also all kinds of skins and furs. Send the to me and have them tanned soft and pliable DELHI, ONT.

WELL DRILLING WELL Own a machine of your own. Cash or easy terms. Many styles and sizes for all pur-

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School of Munic, 76 Lakeside Bidg., Chicago



Most of us was enough time for sclf-education By the use of our spare moments d

resp

HE Far ponden-ture is nas had pers of this kind. earned of hi correspond many farm b of public sc years of age about six inc serve, if requ a high school was never mu attention for The back two hundred had stumped and old barns had new house h this was don man, fully av he had accom self-education tle frame sch The weekly to the old ho cover to cover village librar but the real made in int was scarcely When at las

own resources with the prob way in the wo a better show made in the from past exp gress was to eous reading. progress could sult of system with a definite looking about which he coul ion necessary of money ma lege impossibl present, but some inquirie pondence w a open a way made and out of wages which own, the tuition he was enrolle From his ex

in this course learned beside papers were w what close ind s'udent receiv work, in fa personal super personal super possibly get class of fifty was also learn ence work is il requires cle work but the tifies the labo course he ha through an ag he can still loo pondence coars pondence cours ning of his edu to say, that the returned higher other investment he is glad of an me assistanc who may be in that in which

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ainage drawn several acres badly cut up ich held wat-cided to drain w selling timave continued til now I have will produce ith tile drains turns the first

DELHI, ONT.

G WELL

te St., Ithaca, N.Y.

Methods /

Most of us waste enough time for Farmers of To-morrow life! Then do not fight to use of our first time for farmers of the decision of the deci A department for Ambitious Farmers' Sons life is made of

Personal Experience with Cor- with some of the details of the subrespondence Work

HE Farm and Dairy Correspondence Course in Agriculture is in charge of one who has had personal experience in work of this kind. The first money he everearned of his own was invested in a correspondence course. Like so many farm boys he had dropped out of public school at about fourteen years of age with a scrap of paper about six inches by eight that would about six inches by eight that would serve, if required, as a passport into a high school or collegiate. But it was never much needed for that pur-pose. His father's farm required his was never much needed for the purpose. His father's farm required his attention for the next few years. The back twenty acres of the north hundred had to be stoned and stumped and broken up for crop. The old barns had to be remodeled and a new house built. By the time all this was done he was a full grown man, fully aware of how very little he had accomplished in the work of self-education, since quitting the little he had accomplished in the work of self-education, since quitting the little he had accomplished in the work of self-education, since quitting the little he had accomplished in the work of self-education, since quitting the little he had accomplished in the work of self-education, since quitting the little he had accomplished in the world he world he would be read from the village library had been devoured but the real progress that had been made in intellectual development was scarcely we'th mentioning. When at last he was thrown on his own resources and stood face to face with the problem of making his own say in the world he determined that made in the future. He had teared from past experience what little progress was to be made by miscellaneous reading. Recognizing that real progress was to be made by miscellaneous reading. Recognizing that real progress was to be made by miscellaneous reading. Recognizing that real progress was to be made by miscellaneous reading. Recognizing that real progress was to be made by miscellaneous reading, sustained study with a definite end in view, be began

cous reading. Recognizing that real progress could only come as the result of systematic, sustained study with the substance of the substance

sudent receives in correspondence work, in fact he receives more personal supervision than he can personal supervision than he can personal supervision than to a supervision of a supervisio other investment he ever made and he is glad of an opportunity to be of some assistance to any farm boy who may be in a position similar to that in which he once found him-

Nature and Scope of the Correspondence Course

ARM and Dairy's Correspondence Course in Agriculture is designed to cover the field of oractical farming very thioroughly. The main divisions and subdivisions if the work are here given together

es tar sht.

A Field Husbandry Soils—Origin and nature; classification into sands loams etc.;
Physical properties, tillage and drainage. Chemical constituents; fertiliz-

ers.
Bacteria and their work.
Metabolism—Plant growth and animal nutrition.
Field Crops—History, uses, cultivation and varieties of cereals,
tion and varieties of cereals,
B. Anima Handor crops.
B. Anim

management; improvement by breeding, etc.
Beef cattle—Breeds; care, etc.
Dairy cattle and Dairying—Breeds, care, etc. Dairying on the farm; official records; cold storage.

Green Breeds, care, etc.
Sweep—Breeds, care, etc.
Corchard and Garden
Fruits and Vegetables—Species, varieties; cultivation and care of orchard and garden.

chard and garden.

Trees, Shrubs, and Flowers—Shelter
belts, and ornamental plantings.

D Farm Pests

Weeds—Identification and control

Weeds—Identification and control of the common weeds. Insects to the common weeds. Insects of the common forms. Smuts and Risects and Research of grains, cultural methods and control of grains, cultural methods of grains, cultural methods of farmers club; Progress of the farmers movement in Canada; Present day economic problems. In order to simplify the work for the students the course is divided into ten divisions. Each of the larger subjects constitutes division, but

into ten divisions. Each of the lar-ger subjects constitutes division, but of the smaller subjects two or more are grouped into one division. The student's work in each subject will consist of studying it from the infor-mation supplied by us. He will then be required to write an essay or thesis on the subject in hand drawing also upon his experience in preparing it. His essay will be carefully examined and marked and returned to him with such corrections and sug-gestions as will enable him to ob-tain a thorough grasp on the sub-

Scholarships

Prizes will be given for the best essays turned in by our students. These will be awarded in the follow-ing manner. A number of the best essays in each subject will be handessays in each subject will be hand-ed to a well known and competent specialist in that subject and the prizes awarded by him. These will consist of standard books and will be selected to interest the student by being on the subject in which he has accured his scholarship. The production of the subject in the selection of Farm and Dairy together with of Farm and Dairy together with one of the the work of young men of outstandthe work of young men of outstand-ing ability will be given consider-able prominence. Those interested should write immediately for par-ticulars.

To enable Saskatchewan farmers to market their poultry for cash at the minimum of expense and the best price, the Saskatchewan Depart ment of Agriculture, cooperating with the Provincial College of Agriculture has arranged to operate a Cooperative Poultry Killing and Marketing Sta-Further information may be obtained by writing the Director, Cooperative Organization, Department of Agriculture, Regina.

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A New Apple Box

ANADIAN fruit growers well acquainted with well acquainted with wo styles of apple package, the old reliable barrel and the mon re-cept box pack. The boxes that are being adopted generally are sub-stantially built and the apples pack-ed carefully in tiers. J. W. Clark of ed carefully in tiers. J. W. Clark of well Cainsville, fruit grower and poultry man, does not believe, however, that man, ques not nelieve, however, that this is a type of box pack that will attain permanent popularity in On-tario. During the past season he shipped his apple crop in bushel boxes of open construction. "I con-sider this packages myre, saleshle sider this package more saleable than either the tiered box or the barrel.' Mr. Clark informed a Farm and Dairy representative recently. The apples are simply poured in racked down, faced and the box nailed up. This is a rapid method of packing and one man can put pa 150 boxes a day. Fungus diseased not develop in this open box to the same extent that they do in the barrel. It is of particular advantage in comparison of No. 8 apples. "Consumers are as a general rule very wary of No. 8's as the growers can _bt almost mything in No. 8 barrel and No. 8 apples in the past have made poor buying. In a either the tiered box or the

No. 3 barret and No. 3 appres in the past have made poor buying. In a year like the past one, however, many really good apples had to be packed as No. 3's and when really many really as No. 3's and when really good apples are put up as No. 3's in these open boxes, the customers can see without opening the boxes what they are getting and buy more readily. These boxes cost H cents they are cheaper than readily. These boxes cost and readily. These boxes cost and readily. Hence they are cheaper that considered

barrels, capacity considered and much easier to handle. "I am satisfied," concluded Mr. Clark, "that this is the coming package. The season in Ontario is too short to properly box pack."

The Box in Great Britain F. Dominion Trade Commissioner, Glas-

NTERVIEWS with importers, brokens and the retail trade ers and the retail trade on the above subject indicate that the package is becoming a more important factor in trade than formerly. "Which is the better package" cannot be answered categorically. One class of package categorically. One class of package suits one trade, while another class of package is looked for by a different trade; a good deal depends on what trade is being catered for. There are certain varieties of apples more suitable for the box trade, and others more suitable for barrels. Apples of coarse texture, and whose appearance, so far as color is concerned, is not so good, can very readily be packed in barrels, while the apple with good appearance, whose texture is finer, and more suitable for dessert, can be and more suitable for dessert, can be packed in boxes. It will pay to do so, even at the extra cost of the box, packing and freight.

Two Buying Classes

All towns and cities seem to sess two classes of customers, those sess two classes who are desirous of obtaining the wery best quality, and do not give very best quality. much attention to price. This class naturally represents the smallest pro-portion of the community, but it re-quires the box trade to satisfy their demands. Then there is the other class, the great majority who want apples, and price is the first considera-tion. They are obliged to accept the cheaper grades of fruit, and naturally anything that adds to cost adds to much attention to price. anything that adds to cost adds to

selling price. These are the two ex-

There are the great intermediate buyers, but the slight difference in the cost of packing is in favor of the box. Those who follow up the matter closely say the market for the box trade is increasing a" the time, so that the matter is of great consideration to the Canadian shipper. Just how conditions at present existing will affect the trade this season re-The feeling is that mains to be seen. The feeling is that perhaps people will want to curtail as much as possible but, under normal conditions, the box trade is likely to increase from time to time.



Hints for December Ry Mrs. W. G. Randlett

O not spend too much money on fancy breeds. This is the month when "eggs is eggs," so do not let the laying hen out in

so do not let the laying the snow.

Keep the quarters dry and Jean and feed well, and the eggs must come. The hens enjoy the milk now as well as any time.

Affalfa is splendid for green feed, Keep the hens busy scratching. Leaves make a good litter.

The house will not seem so dark on gloomy days if it is white-washed.

at is good to keep an egg record and see what the flock is doing.
Chickens thrive when they are comfortable and happy. They do not need expensive buildings, nor do they need to be continuously waited

This is the month of highest prices for eggs and lowest prices for poul-

The turkey tastes just as good for Christmas as at Thanksgiving and the prices are nearly as good. The lighter ones were kept over with good care are ready now.

After the War

Pte. W. S. Dawson, 39th Battery, C.E.F., England.

WITH the war still waging and hundreds of wounded soldiers ing,—what will become of all the soldiers on returning from this awful conflict. We cannot all return in such splendid physical condition that we will be able to return to our original positions, for only too frequently are such losses occurring as in the case of the Princess Pats, who went into a charge 1,000 strong, and 100 odd

thoughts through my mind, I am enclosing for Farm and Dairy readers, especially the poultry breeders, an article taken from an English paper called "The Star," dated August 22th, 1915. The plan enunciated would enable the sol-dier to still live his free, open life and fowl. Always think kindly of a man in khaki, no matter who or what he is, for he has a lot to face and takes it cheerfully. serve his country by producing good

"The visit of a little party of blind soldiers from the St. Dunstan's Hos-

at Regent's Park to a farm in Kent, yesterday had an Longfield, important bearing on the problem of what to do with those of our gallant men who have lost their sight fighting for their country. In these days, for their country. In these days, when the nation is advised to pay adwhen the nation is autrested by ditional attention to our own increased food production, poultry-farming seems to be especially suitable for the blind men of our forces.

At Fairby Farm

"On Fairby Farm, which belongs to the Rural Development Company at Longfield, a dozen of the St. Dun-stan's blind students showed won-derful knowledge of the various as-

ts of poultry-farming.
They went all over the farm, which is 500 acres in extent, inspected runs and incubators with a ch a cheery receptiveness that was most impressive. A few months ago they left the front to all appearances hopeless! jured for life. Yes'erday the their way about the poultry fare an almost uncanny sense of intimacy.
They handled the birds like experts, and graded eggs with an accuracy that many men with sight would envi

Certain tasks were set the soldiers. In the identification of breeds did amazing things. They we take up a fowl, carefully submit comb to a minute inspection, feeling the length and thickness, next doing the same to the foot of the bird, all the same to the toof of the Dird, all this with a keen air of concentrated interest. Then they would announce the breed, Orpington, Leghorn, or Sussex as the case might be, and in few instances was the blind man's judgment at fault.
"A man named Hallam, who

and after being taken by the Germans to Namur wounded. prisoner bayoneted in the neck, was the most successful in the dennification test, but they were a lessons previously made but two

akes out of the attempts. These men have acquired a ran their sight, and this great compessating law of nature was wonderfull shown by the readiness with which the men identified different food placed before them in saucers. would finger various sorts of crushed meal, charcoal grits, etc., and rarely hesitated an instant in selecting is Free Instruction

"It is believed that some of the blind soldiers from St. Dunstan's will blind soldiers from St. Lunstan's will be given free instruction as studen at the farm shortly. They will lem more about preparing fowls for me ket, and also in the laying down if runs. The Waverley' course of a struction is to be set up in Braille their use—also free of charge.

"Amongst those present at the de Webber, the great poultry expert, the lost his sight in the Boer War. Ca tain Webber's skill in the vano phases of poultry farming is rate equived by those who possess sight

Mail for the Front

N order to facilitate the handling mail at the front and to inu prompt delivery it is requested in all mail be addressed as follows: (a) Regimental Number

(b) Rank (c) Name (d) Squadron, Battery or Compus (e) Battalion, Regiment (or of

(e) Battation. unit). Staff appointment or (f) Court partment
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(g) British Expeditionary Fore.
(h) Army Post Office, London, b

Unnecessary mention of higher mations, such as brigades, divisi is strictly forbidden, and cause

December :

Notes From THE followi letin rece

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Notes From United Farmers

THE following exceeds from a bulletin recently distributed to the secretaries of Farmers' Clubs throughout the province of Ontario will be of interest to Ontario farmers

generally:
"Many, even of our best clubs, do
not meet regularly during the busy
summer months. But now that the
heat and the rush of work on the
farm is slackening, the cooperative
spirit of the farmers will again assert
itself. Already this office feels quite
distinctly the renewal of the life in
the home organizations, many of
their social, intellectual and business
meetings, to be held during the long
winter evenings now approaching. We
do not wish to pose as having any do not wish to pose as having any paternal authority over the local bod-ies. Rather as your servants, will we ies. Rather as your servants, will we ask from time to time for your assistance to enable us to serve you better. Our task of saving to the farmer a larger share of the value of his labors is the cooperative task which can succeed only in proportion to the cooperative spirit manifested by all interested. This will be apparent to all the companion of the cooperative spirit manifested by all interested. This will be apparent to all the control of the cooperative spirit manifested by all interested. terested. This will be apparent to an familiar with the farmers' economi problems, and with the established systems of trade with their complex



An Ontario Cooperator.

R. H. Halbert, Melanoton, Ont., is president of the United Farmers of Ontario, the educational ogramisation of the United Farmers' movement in his province.

interests covering expense, living and profit, all of which must be satisfied between the point of production and the point of ultimate consumption.

Binder Twine

"Perhaps one of the first favors we ask of you will be to return the slip which is enclosed with this trade bulletin asking for an estimate of the probable quantity of binder twine your club may want for the 1916 crop. This need be only approximate as your judgment upon enquiry suggests. We judgment upon enquiry suggests. We thank those of you who have already done us this favor, and to all the rest we say 'Please send us your estimate at your first convenience.'

"The reason for this urgent request is that we may close negotiations early on a larger contract than the last early on a larger contract than the last and be sure of getting the quantity needed in time. Instead of placing an initial order for 100 tons, s last year, we wish to place our first order for twice that amount. The universal satisfaction given by the Blue Bell Twine this year warrants us in antici pating a requirement of more than 400 tons for next year, but if we cannot place an order early to wet the mills started on it we may not be able to

get it. Therefore we anxiously await

your response.
"Seeds are already receiving attention, and the evidence accumulating proves that the abnormal weather conditions so generally experienced in Canada during the past summer and the deplorable war conditions in Europe will have a strong tendency to make all good seeds higher than last year. Besides it will be later in the season before reliable quotations can

be issued.

"However, we are pleased to be able to announce to our cooperators who look to us for seeds that arrangements are being effected which will leave no possibility to regret the confidence

placed in us.
"We would be pleased to have an early estimate of your wants, and can assure you when prices are settled we will be found serving your interests. If any of you have seeds for sale re-

The United Farmers' Cooperative Company, Ltd., is giving special attention to the marketing of live poultry. Cooperating farmers with live poultry for sale, would do well to cor-respond with the United Farmers' Gooperative Company, Limited, 110 Church Street, Toronto.

Why I Favor Winter Dairying (Continued from page 5.)

It is astonishing how these cows will run clear through the winter for five months. If they are in a condi-tion to start in at 20 to 25 lbs. a day they will hold that right through the winter. They will give a good flow of milk from September to April. They will shrink somewhat, but when they get out to grass they will give you a fairly good flow through June, and the period when they are dry comes in the heat of summer with the flies and scarcity of grass, and when you are busy about your work, cutting your hay, etc. Dry them off and they will rest through the summer season and will certainly give you 10 per cent more than the same feed will produce if you have them come in in the spring, and your care and trouble comes when you can attend to them a great deal better.

great deal better.

As to the matter of erain, on most of the farms corn is plentiful and thus is liable to be fed a little too heavily. It should be used in connection with oats or ground barley or mill feeds of some kind. These foods are milkuling in character, and their use the control of the control o but will bring the animal into good condition before winter. A ration composed of half bran and half oats, or even bran and corn, half and half, will give good results if it is fed to the right kind of cows. The amount, of course, depends upon a number of factors, and should be left entirely to the one who does the feeding the program of the corn who does the feed to the contract of the contract

the one who does the feeding.

It is possible to feed this kind of a ration to a poor cow in wasteful quantities, while even a good cow might consume more than will be profitable. There is no sense in pouring unlimited quantities of high-priced feed into

ed quantities of high-priced feed into an old cow that is nearing the end of her lactation period, while in the case of a cow that is just fresh there is less dancer of being wasteful in the use of milk-making foods.

One thing should be kept in mind by every man who keeps dairy cows,—that if they are allowed to shrink in their milk at any time it is impossible to bring them sack to their maximum milk flow in the same lactation period. milk flow in the same lactation period.

The way that some men milk is enough to ruin any cow's disposition. Milk as if you realised that a cow heelings as well as folks. It isn't necessary to jerk the teats to get the milk out.





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FARM AND DAIRY

AND RURAL HOME PUBLISHED EVERY THURSDAY

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We guarantee that every subserber in this issue is reliable. We are farm and Dairy are as carefully edited as the read global part of the read of the

The Rural Publishing Company, Limited PETERBORO, ONT.

"Read not to contradict and to confute, nor to believe and take for granted, but to weigh and consider."—Bacon.

A Remedy for Rural Slums

S LUMS are usually associated with cities.

Their cause is always poverty and, contrary to general belief, they are not limited to crowded centres of population. Down in the great. south-west of the United States, there are thousands of tenant farmers, white men mind you, like ourselves, living in poverty as abject and hopeless and under conditions as vile as are found in our largest cities. This large class of men who must till the land of others for a bare livelihood for themselves, constitute a menace to all society. Their condition was recently investigated by the Commission of Industrial Relations, and the remedy advocated by the majority of that commission was the taxation of land values. The "Rebel," published in Texas, a paper with a circulation of 100,000 among these tenant farmers, recently gave its version as to the true solution of the terrible conditions of which it speaks in the following paragraph:

"In seeking a way out of this dilemma, we have cone, we believe, to the root of the trouble and have reached the conclusion that what is necessary to save ourselves from all entanglements, to go to the heart of the question and permanently destroy landlordism in city and in country, is to adopt the principle of the Single Tax in all its phases without equivocation or reservation." Even in our own Canada, conditions in the

rural districts are not as they should be. The returns from the farm are not in proportion to the energy and ability expended and the capital invested. The 75,000 farmers who are connected with the farmers' organizations of our country, have been studying these conditions and in the Western organizations at least, the almost unanimous decision is that conditions will never be as they should be until all the taxes of municipality, province and Dominion are raised from a Single Tax on land values only.

In Denmark, where the farmers have the bene-

fit of a splendid system of industrial education, where cooperation is developed to its highest efficiency and where money is loaned by the government at a very low rate of interest, the average farmer lives in a condition which very nearly approaches poverty. Over 40,000 of these Danish farmers recently petitioned their government to lighten their load by raising all taxes from land

Thus is the world getting near to an understanding of the justice of the principles that underly the Single Tax. We are glad that thousands of Canadian farmers have been among the first to see the light.

Forest Destruction

THE Canadian Forestry Association has just issued a timely booklet calling attention to the national loss sustained by preventable and unnecessary forest fires. This pamphlet places the number of forest fires in Canada at \$1,400 a month, between snow and snow, and the total annual loss at not less than \$10,000,000. We are further informed that "certain parts of the United States, all of Switzerland and France, scarcely know what a big forest blaze looks like." Why? "Because the people and their legislators have made up their minds that a forest fire is a common thief, that it robs the woodsman of his employment, robs the farmer of his market, hurts the fertility of surrounding land, causes both flooding and drying up of streams and puts up the cost of lumber for every citizen in the land."

All of these fires are started by human hands Settlers are held responsible for eighty-five per cent. Responsibility for the other fifteen per cent is distributed among campers, prospectors, surveyors and others who use the woods. Quebec and British Columbia have gotten around the forest fire evil to a large extent by making it compulsory for a settler to get permission from the government ranger before starting a fire in his bush. All other provinces should have similar legislation. In addition, all of us whose business or pleasure carry us into the bush can aid in the preservation of our forest wealth by taking care that we are not responsible for a conflagration; a good ideal to carry with us when we go off on our annual hunting trip.

Many Children Find Homes

UR Folks will remember that in our Household Number we published two group photographs, one of Catholic children and one of Protestant children, for whom comfortable country homes were desired. We were somewhat anxious to find out with just what response the appeal for these children had met and accordingly wrote, a short time ago, to the men having the children in charge to find what the result of our work had been

Mr. Jas. Gilpin, agent, the St. Vincent de Paul Society, Hamilton, writes as follows regarding the applications for the Catholic children; "As the result of the publication of the group photograph a total of 19 applications were received. The districts covered by the replies extend from Quebec to Northern Ontario. Thanks very much for the help you have given us and also for offer of future help of which you may be assured we will be only too pleased to take advantage."

Mr. Jas. Pinch, Secretary of the Children's Aid Society, Hamilton, where the Protestant children were being cared for, writes: "Through your kindness in suggesting that we send the group photograph of our children to you, which afterwards appeared in your valuable paper, we were enabled to place nearly all of our children in comfortable country homes. I received applications from the Atlantic to the Pacific. On behalf of our Society I wish to convey to you our deep

sense of gratitude for the service you have rendered us.

We are pleased to note that our efforts on behalf of homeless little children are appreciated not only by Our Folks, without whose aid the work could not be successful, but also by those who are responsible for Children's Aid work throughout the province.

Charles Dickens on Thrift

HARLES Dickens once defined thrift and his dictum on the subject may well be taken to heart by all classes in all lands. Those who have read his "David Copperfield" remember Wilkens Micawber, the most famous of all unthrifty characters. Micawber was always "broke" and during one of his trying seasons of financial difficulties he advised his young friend Copperfield against two bad habits. The first one was procrastination. The narrative proceeds:

"My other piece of advice, Copperfield," said "My other piece of advice, Copperfield," said
Mr. Micawber, "you know. Annual income
twenty pounds, annual expenditure nineten
pounds nineten, and six; result, happines.
Annual income twenty pounds, annual expenture twenty pounds, outpet and six; result, misture twenty pounds, outpet and six; result, misture, twenty pounds, outpet and six; result, misture, the pounds of the six of the the God of day goes down upon the dreary scene, and—and, in short, you are forever floored. As

Could the value of thrift be put more neatly? On the one hand happiness, which we all desire, on the other hand negligence which we all fear, Let us add that the most unthrifty of all men to our mind is the one who spends his money on alcoholic beverages and-well, we were going to say tobacco, but as some of our best friends get much solace from their pipe, we will substitute cigarettes, one of the greatest evils of young men to-day. In these things at least, be thrifty.

Who Pays for Advertising?

T costs more than twice as much to print Farm and Dairy than we realize from subscriptions. The same is true of practically all other periodicals in the land. Is it to be wondered then that many ask themselves, who pays for this advertising? Does it not increase the cost of the goods that we buy? The answer comes when an investigation is made of the selling costs of advertised versus unadvertised goods.

Take clothing for instance. Two of the largest manufacturers of clothing on the continent spend a small fortune each year for space in the papers and magazines. The cost of getting their goods from the factory to the shelves of their customers is just five to six per cent of the selling price. The estimated average cost of the same service to manufacturers and importers who follow the usual method of sending out agents to sell their goods, is twelve per cent of the selling price. It stands to reason, therefore, that the advertising manufacturer can afford to sell better goods for the same money; and he does.

Goods widely advertised must be good goods. Manufacturers look for profits on their advertising, not on the first orders received, but on the repeat orders that satisfied buyers send them. It is up to them, therefore, to supply good goods, and so secure these repeat orders.

We know that there are advertising fakirs who operate on a large scale. Such fakirs, however, are not given a place in Farm and Dairy. Gur Folks may feel perfectly safe in patronizing our advertisers. You will get full value and security from all who buy space in Farm and Dairy. Read our advertising guarantee on this page.

From booze to butter! That's the program of the brewing concerns of the state of Washington, recently voted dry. Good. The profits of butter may not be as great as the profits in booze, but the net service to humanity is incalculably

Use With Simp

few ye A was pr blustry wea of those day auto could adian winter attempted t frozen up. however, Ja a back seat have been in cities no sight to se right through constant us be possible as car when sleighs and dian winter helpless tha During muchave not be however, the or so little would be go



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be good goods their advertiseceived, but on buyers send , to supply good t orders ising fakirs who

fakirs, however, nd Dairy. Cut patronizing our due and security and Dairy. Read is page.

the program of e of Washington, profits of butter fits in booze, but is incalculably

Use the Automobile in Cold Weather With Simple Precautions it can be Kept in Use Much of the Winter

A few years ago the farm auto was put in winter storage with blustry weather. Ever the first cold, the storage with the storage with the storage was a storage with the storage be possible in the country districts as car wheels would not tread with sleighs and the snows of the Canadian winter would render cars more halpless than frost at one time did. During much of the time that autos have not been used in the past year,

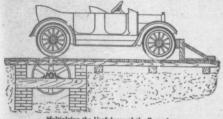
however, there are good hard roads or so little snow that auto going would be good.

One precaution that may be taken

a Simple Precautions it can be kept in Use Much of the Winter toward and the winter storage with the consequence of the weather. Even the experts weather. Even the experts hose days din't believe that the could be used during the Canni winter. In practice those who is most of the weather with the could be used during the Canni winter. In practice those who is much in the world with the weather who is the world with the wor

insture will change and his freezing temperature rise.

Ölycerine is used, but is in disfavor with many because, being obtained from animal fats, when subjected to long or repeated boiling
temperature, it may decompose and
form a gummy substance which will
form a gummy substance which will



Multiplying the Usefulness of the Farm Aute

The device here shown in diagram is recommended by The Iowa Homestead as a means of harnessing the farm auto. The small diagram below will make the

against freezing is the practice of chrawing off the water after each time the car has been used. This system is effective but also troublesome. If the water is not entirely withdrawn, danger of freezing is still left and the radiator may burst. Another disadvantage is that the cars cannot be left standing for any length of rime and this renders it ineffective advantage is that the cars cannot be left standing for any length of rime and this renders it ineffective and the radiator may burst. Another advantage is that the cars cannot be left standing for any length of rime and this renders it infections and the radiator may burst. Another advantage is that the cars cannot be left standing for any length of rime and this renders it infections and the radiator is filled each morning with piping hot water, the engine can be started much easier than if it is cold. The system too has the merit of being inexpensive. An exemption of the standard of the radiator when the car is in the garage; the expense of running one of these is light.

Non-Freezing Mixtures

The common method adopted nowadays to keep the car going in cold weather, is to use a non-freezing mixture in the radiator. We have a small water heater to attach to the radiator when the car is in the garage; the expense of running one of these is light.

Non-Freezing Mixtures

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Non-Freezing Mixtures

The common method adopted nowadays to keep the car going in cold weather, is to use a non-freezing mixture in the radiator. We have a manufacture in the radiator. We have a manufacture in the radiator. We have a monitor of the two to the water freezes at 1½ degrees above zero



zero.
Four pounds to one gallon of water freezes at 17 degrees below zero. If too much of the chloride is present in the water, however, some of it will crystallize and clog the radia-

Such common precautions as throwing a blanket over the radia-tor when the car is standing, even although filled with a low freezing solution, and partially covering over the radiator surface in very cold weather, are well known to all and generally practiced.



There is no good reason why you should wait till next spring before getting a

IF YOU ARE SELLING cream or making butter and have no separator or are using an inferior machine, you are wasting cream every day you delay the purchase of a De

THERE CAN ONLY BE TWO real reasons for putting off buying a De Laval; either you do not really appreciate how great your loss in dollars and cents actually is or else you do not believe the De Laval Cream Separator will make the savings claimed for it.

IN EITHER CASE THERE IS one conclusive answer: "Let the local De Laval agent set up a machine for you on your place and SEE FOR YOUR-SELF what the De Laval will

YOU HAVE NOTHING TO risk and more than a million other cow owners who have made this test have found they had much to gain.

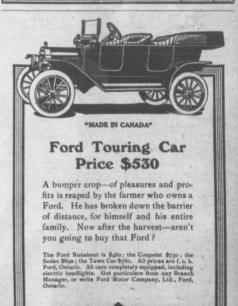
YGU CAN'T AFFORD wait till next spring. Let the De Laval stårt saving cream for you RIGHT NOW and it will earn its cost by spring.

SEE THE NEAREST DE
Laval agent at ONCE or if
you do not know him write us direct for any desired infor-

DE LAVAL DAIRY SUPPLY CO., Ltd.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES, IN CANADA. Sole distributors in Canada of the famous De Lavai Cream Separa-tors and Alpha Gas Engines. Manufacturers of Ideal Green Feed Silos. Catalogues of any of our lines mailed upon request.

MONTREAL **** PETERBORO WINNIPEG 50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER



COULD we forbear dispute and practice love. We should agree as angels do above. - Valler.

The Rest Cure for Mother MANTHEI HOWE

EAN came rushing into the Christmas and you can give me one, kitchen, eyes sparkling, cheeks flushed. "Madge," she declared, between breaths, "I've had the first worth-while idea that has burdened my brain in the last six months."

"You want to be careful," laughed Madge, who stood beside the window dishibut the froating for a "comb

finishing the frosting for a "com-pany" cake. "You want to be care-ful of so much brain work in hot

weather. weather."
"You can laugh all you want to, but this is a perfectly good idea. I want to give mother a rest cure."
"lean Kennedy! are you crazy? You know we couldn't get along alone while mother goes away on a rest cure, and we can't get a hired girl for love or money."
"Oh who wants a hired girl."

siri for love or money."
"Oh, who wants a hired girl,"
cried Jean impatiently, "but I just
tell you, Madge, that you and I and
Bob and Jim and Dad are just a
lot of selfsh pigs. We let mother do
the mending, the washing, the cooking, the baking, except when you
take a whirl at fairly she is so tired
she just aches. Why, the other afternoon I found her with her eyes all
tear-stained. I was frightened. I noon I found her with her eyes an tear-stained. I was frightened, I can tell you. Thought she had bad news—but it turned out that she was

news—but it turned out that she was so tired that she just cried."

Jean gulped quickly. She flicked carefully on an imaginary speck on her skirt. Madge stirred uneasily, and stole a shamefaced look at her

siter.

Sister.

Tall you, we are a lot of pigs,"

Tall simpled. "Think of working

an snapped. "Think of working

and the so dead beat she

just cries! We ought to have a society for the Suppression of Overwork for Mother on this farm."

"But what are you going to do

about it?" questioned Madge. "We

can talk all we want, but it doesn't

help mother. I had no idea things

were quite so bad.

"I'll tell you what we can do, we

can get bus, It's time this house
hold did some co-operative house
keeping. In the first place, I'm going.

keeping. In the first place, I'm going to coax father to get a washing machine. He has a first-class good binder, new this year. I don't know why mother can't get a washing int-chine. If we had any gumption we'd do what one farming community did do what one tarming community did we'd have a community laundry. It paid for itself, too,"
"Keep to the question in hand, please," suggested Madge demurely.

Jean contented berself by sniffling indignantly, but she took the hint. sniffling

indignantly, but she took the hint.
"Well, she went on, writing on the
fly leaf of a cook book. "Washing
machine first. Then we're going to
make every new piece of underclothing out of mice white cotton
crepe. It washes easily and doesn't
need ironing." need ironing.

"Is it pretty?"
"Yes, it is, old fuss body. More than that, you and I are going to help mother with the ironing. I'll give you an improved iron for

"Lovely ones, why?"
"Lovely ones, why?"
"We!!, then, I'll make all our house
dresses of crepe; they'll be cool and
it will cut down on washing and
ironing." Madge never went at things half heartedly.

"All right, and we are going to systematize this housework. I'll in-vite Jim to give me a fireless cooker, for a present, and Dick will be al-

then there will be a through draft. It will make the kitchen heavenly cool."

Jean's lips trembled, and her eyes filled with tears. She had a heart and a conscience big as the universe. All she needed was to have them

All she needed was to have them jolted into activity.

"It makes me sick, Madge, when I think how blind and selfish we've been. Mother has worked in this hateful little inconvenient kitchen the greater part of her life. Never a word of complaint, never a cross and crabbed day. Don't you worry, I'll throw the fear of death into the boundary of the control of the co

test.
"I don't care; the occasion de-mands slang. I saw old Dr. Clinton. mands slang. I saw old Dr. Clinton. He says it we aren't careful of mother she'll be beyond care in a few years. Don't—don't you cry, Madge. It isn't as bad as that. It is some heart trouble that he says will be all right if she can let up a little on. all this drudge."

"Ill help—I'll do anything, Jean."
"Stobed Madge, Jean mopped her

sobbed Madge, Jean mopped her eyes in sympathy.

"Of course you will, sis, So will dad and the boys when they know. I'm going to take my Christmas money and get a new linoleum for the floor and white cheesecloth curtains for the windows. You can make them, and you can buy a stool. We'll want one about three feet high, the kind that bookkeepers use. You can get one for \$1.25. We'll paint it pale yellow."

Now for the Season When Evergreens Are Most Appreciated! Deciduous trees may be more beautiful in summer and early fall; but what of the winter? Then it is that the stately evergreen imparts to a farm home an air of coniess and warmth that can be equalled in the other way. The evergreed-revealed the conies and warmth that can be equaled in the other way. The correspondence of the conies and warmth that can be equaled in the conies and warmth that of M. 8. dobell, Sr. M.P., Oxford Co., Cut the conies and warmth that of M. 8. dobell, Sr. M.P., Oxford Co., Cut the conies are considered as the conies are considered as the conies and the conies are considered as the conies and the conies are considered as the conies and conies are considered as the conies and conies are considered as the conies are considered as the coni

lowed to save mother all the bother of watching the oven, and cooking over that whooping range.
"But how much will it all cost, Jean? It looks like a pretty big expense."

pease."

The search the pit, we'll have to do without something else. We can get the whole outfit for less than the cost of one good-sized piece of farm machinery. I saw a good vacuum sweeper for \$8.50. The fireless cookers, big enough for this family, would be \$25 or \$30, but I'm not sure that Jim and Dick couldn't make one this winter, if the expense looks a little too big."

looks a little too big."

"We'll do the dishes," continued
Jean, "and I think I'll start right in
saving my money for a dish washer.
Jim and Dick will have to help, too,

Jim and Dick will have to help, too, in saving mother steps.
"But you know they don't like indoor work," protested Madge.
Jean continued unabashed. "That's because we tried to get them to do the woman's share. Now we'll let them do the boy's task. Im going to get them to fix up a little shed can be "primping" and put a soft water pump out there, and then they can wash there instead of getting under mother's feet at meal time. Next year I'm going to coax them to cut year I'm going to coax them to cut a door at the other end of the kit-chen, opposite the present door, and

"I'll buy that and enough oil cloth cover a long table. The boys can make it as soon as the crops are Mother can have everything at hand, and she won't have to move about so much."

and ane won the are to move assumed."

"Fine, Madge, and this will come later, but we'll plan it now. Next year with the later, but we'll plan it now. Next year we'll be later, but we'll plan it now. Next year we'll be later, but we'll be later, but we'll be later, but later

"Yes, siree, a bathroom, and she's going to have it, bless her. She says going to have it, diess her. She says when she is tired a bath would feel so good, but by the time she gets the tub ready and gets a bath and empties the water, she is so tired it spoils all her comfort of the bath. She's going to have a chance to just turn the faucet and let the force of gravity take care of the water. And

"What are you girls so interested in?" asked a kindly voice. The two heads, gold and brown, raised quick-ly and two pairs of eyes turned to-

ward the patient figure in the door-way. They were looking at their mother with new seeing eyes. She was a woman of fifty; pretty in a fragile way. The eyes were soft brown, infinitely loving, but infini-tely pathetic. Her mouth dropped a little wearily, like a tired, wistful child—the smooth with the becoming finely wrinkled, and we-veins stood out too blue and shad-

All her work, and uncomplaining saving on them had left its mark on her painfully thin figure. A wave of pity rushed over the girls. Jean

ner panning tinh figure. A wave pity rushed over the girls. Jean sprang to her feet.
"We'll tell you all about it, mumsy, but not right now. Now you are going to take a rest hour. You're going to lie on the couch in the liv-

Mrs. Kennedy prostrated faintly.

"I've had a rest, dear. I'll get

"I've had a rest, dear. I'll get supper."
"Oh, yea, you must have had a great rest," asofted Jean tenderly." open that side door have you fixed to be to be

in now."
So the girls began the rest cure. After supper Mr. Kennedy and the boys were taken into the secret, for mother for convenience sake had been put to bed early. They were wild to help and were so anxious when sear told them the sake had been told the sake had been put to be a sake to the sake the sake had been put to be a sake to the sake the sa

to bundle mother right off to a sanitarium for, the resultation of a sanitarium for, the resultation of a sanitarium for, the resultation of a san"We even with the control of the declared,
"We will alway to do is to get this
house fixed up so it will keep pace
with the civilization and improvements on the farm."

Jim disappeared and came back
with his check book.
"Here you are, Jean," he exclaimed, huskily, "may be this will
help you out." He handed her a
check for \$10.
"Count me in for the same, sis,"

check for \$10.

"Count me in for the same, sis,"
said Dick.
Madge slid her arm about her father's neck.

"Mother will be all right, dad,"
she whispered comfortingly, "she just needs a rest and we'll give it to
her."

"You girls do whatever is best." said Mr. Kennedy. "I'll pay the bills. Just see that you keep mother for

me."
"We've got to keep her," cried

Jim.
About ten o'clock the next morning the 'phone rang impatiently.
"Hello, hello," called Jean. "Yes' yes, Louise—this is Jean. What' No, I can't tal': to you now, dear. You'll have to call up this afternoon. Telephone visiting in the morning takes too much time—Yes. Yes, I'm busy—Why. I'm helping Maigr give mother cure!"—New England Homestead.

So often when at a social gathering rubbers are exchanged. This oftentimes causes considerable annoyance, especially if a person has just invested in a new pair. To overcome this difficulty paint the initials on the inside of the rubber or work on a piece of cotton and stick on the inside. It is a good plan also to work the initials on one's gloves.

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******** Travel 7 The Regularla

E VEN mo springs were the rising to suc spouting wit Although when would rise, were indicate sers or basin led, then th burst forth. few minutes,

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ever is best." pay the bills.

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Jean. "Yes?

Jean. What? ou now, dear. the morning
Yes. Yes, I'm
ping Madge
ure!"—New

ocial gathering This oftenle annoyance, as just invested overcome this ials on the inork on a piece the inside. It ork the initials

********** The Upward Look **********

Travel Thoughts-No. 11 The Regularlarity of God's Nature-Laws

VEN more wonderful than the springs in Yellowstone Park were the geysers, many of them rising to such great heights and spouting with such regularity.

spouling with such regularity.

Although with some, it was never known when the stream of water would rise, yet with many, there indicators, that is smaller geysers or basins. When these latter filed, then the larger geyser would be in the strong of the

few minites, others at most periods.

The giant goes every six to four-teen days; Old Faithful every sixty-three minutes. This has been going on day and night low many years. It was a thrilling never-to-be-forgotten moment, as we sat and watched, just before the sixty-third minute.

ten moment, as we sat and watched, its before the sixty-third minute. Sudden't there was a seething and bubbling of the waters, then the whole mightly boiling volume rose to the height be a loft yet seen. It is a search-light was turned on this, and then over the whole varing was a search-light was turned on this, and then over the whole varing was a search light was turned on this, and then over the whole varing was a search light as the was a search light and the dear was a search light and the dear was a search light and the worder and the regularity of God's laws. The wonder of the regularity of the motion of the planets so that astronomers can tell the appearance of certain bodies years alhead; the cost of certain bodies years alhead; the cost of the worder and the search of the worder was a search of the worder was the worder of the regularity of the worder was a search was a search of the worder was a search w

Too often the joys and blessings in our own lives are so taken as a matter of course, that we fail to realize all of God's constant good-

realize all of God's constant good-ness towards us.
"O Lord, thou art my God': I will exalt the I will praise thy name: for thou hast done wonderful things: thy counsels of old are faithfulness and truth."—I.H.N.

The Catbird

The Cathird

The cathird, like the brown thrasher, is a lover of swamps and delights to make its home greenbriers and shrubs, where it is safe from attack and can find it favourite food in abundance. It is found throughout the United states west to the Rocky Mangaton, Idaho and Utah Canada. It witters in the Contral America.

Reports from the Mississippi Valley indicate that the cathird is sometimes a serious annoyance to fruit growers. The reason for such reports may possibly be found in the fact that on the prairies of this region order of the province of the provin tivated fruits can be protected by the

simple expedient of planting the wild species which are preferred by the birds. Some experiments with catbirds in captivity show that the Russian mulberry is preferred to any cultivated fruit. The stomachs of 646 catbrids were

The stomachs of 645 cathirds were examined and found to contain 44 for contain 45 part is obtained from wild vines



The rest - of the vegetable matter is mostly wild fruit, as cherries, dogwood, sour gum, elderberries, green-brier, spiceberries black alder, sumac, and poison ivy. Although the catbird sometimes does considerable harm by destroying small fruit, it can not on the whole be considered injurious. On the contrary in most parts of the country it does far more good than harm. good than harm. ...

What to Do with Sour Cream By Nellie Maxwell.

THE question is often asked by It cuestion is often asked by women living in dairy districts, "What can be done with sour cream; we often have more than we know how to use?" It almost seems like asking what can be done with money for cream is such a valuable food and may be used in so many appetising ways that it should never be wasted. he wasted

The idea with most women is not The idea with most women is not 'What can we do with it, but in-stead tell us some new ways of using it profitably.' Many of us have used sour cream for griddle cakes, biscuits of various kinds. cakes, cookies, shortcakes, puddings, salad dress-

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Sole Manufacturers of Peerloss Water Syst

ings, meat sauces, fish sauces, and freezing it with fruit juices have made most delightful ice-cream. And did you ever use sour cream in place of milk in preparing a white sauce of milk in preparing a white sauce for codfish? If not, you have a treat in store. Eo not cook the cream too long to allow it to curdle the mixture. But you ask for recipes, and here are inst a few.

just a few:

Sour Cream Cookies,—Add a cup
of sugar and a cup of molasses to
two cups of rich sour cream, add two
well-beaten eggs, a teaspoonful of
soda and one of baking powder, a
tablespoonful of ringer, dash of cinnamon and cloves, and enough flour
to roll. Let stand on ice to chill before solline.

fore rolling out.
Chocolate Cake.—Take a cupful of brown sugar, add a half cup of sour cream, a half teaspoonful of soda, one egg well beaten, a cup and a half of four sifted with a teaspoonful of baking powder. Dissolve two squares of chocolate in half a cup of boiling water and add to the cake the last thing. Flavor with vanilla and bake

thing. Flavor with vanilia and bake in two layers.

Cabbage Salad. — Shred cabbage very fine and plunge into cold water to crisp. Drain and dress with sour cream, sugar, salt, and if not quite sour enough, a very little vinegar may be added. This is a salad which can be converted at any meal with almost. be added. This is a salad which can be enjoyed at any meal with almost any combination of foods.

Sour cream when mixed with fruit juices and sweetened will freeze smooth and velvety. Orange juice with sour cream and sugar to sweeten is a combination especially tasty and delightful. Fix and freeze as an ice-cream. Raspberry, grape julce, or peach juice or others. Lemon is such an acid with the sour cream also an acid that the result is not so good unless a sour frozen dish is desired. Zeeeeeeeeeeeeeeeeee

OUR HOME CLUB

*********** Championing the Cause

HERE are all the women suff-rage Club members? It is some little time now since any of them have taken the floor at our ga-therings, and with the hope that others will follow suit, I am going to pluck up courage and "speak out in receip."

Probably the real propagator of this read the other day, and which runs as follows: "If there is a man who believes in a square deal who intends to cast his vote against woman suff-rage, let him ask himself, 'How would I like to be deprived of my vote hy I like to be deprived of my vote by the vote of women? and 'How would I like to be taxed and yet have nothing to say about how the money was to I spent?' Take these spent?' Take these questions right home and let conscience answer." In community social organizations

and church societies, the women are considered very necessary to the successful carrying out of many pro cessful carrying out of many projects that would otherwise be failures. When it comes to having a "say" on mat-ters pertaining to our country, how-ever, we women are asked to stand assice and be onlookers only. One of the big objections which the men seem to raise is the fear that

did we have equal suffrage, we would neglect our home duties. I would like to ask these men how much time it is going to take to go and mark our ballots, say once or twice a year? And another thing: Would it not be better for us to discuss things of some ac count, such as the fight against the liquor traffic and other things of benefit to the nation, than to be gos-siping about our neighbors or trivial things that do not amount to a row

I had the pleasure of hearing Mrs. Nellie McClung not long ago on this subject, and among other things she subject, and among other things she tield us that the value placad on women to-day is just in accyrdance with women's standards of their own value and that unless we seek to measure ourselves up to the highest intellectual standard, we will never obtain a more important resistion to tain a more important position in na-tional affairs. She said that if women realized their own standard of value, they would not allow the men to take away their vote when they married.

We must not forget, however, that considerable progress is being made along the line of woman suffrage. There are, I understand, 11 states of There are, I understand, Il states of the United States in which women now vote on an equality with men. According to reports from these states, communities have benefited in that this equal suffrage has brought into force better morals and cleaner into force better morals and cleaner living. Has it not been definitely promised, too, that at the next session of Parliament in Alberta, legislation will be passed giving women the ballot? Here is a very optimistic view of the situation, which should give us fresh courage. And by the way, it is

of the situation, which should give us fresh courage. And by the way, it is the opinion of a man too:

"Her eyes have seen the glory of the coming of the 'vote, and she's speaking words of wisdom that the men some day will quote—for she is marching on! She has sounded forth the trumpet that shall never sound retreat; she is sifting out the hearts of men before her judgment seat; she is suffragetting and there's no power on earth to keep—women from march-ing on!"—"Aunt Greta."

. .

I have read the letters of "Bachelor Dick" and "Here's Hoping" and they interest me very much. Bachelor Dick seems to be in trouble, but with the backets of the backets of the trouble, but with the backets of the young ladies? Surely if a young man is wishing to marry he will look for encouragement from the fair one, and will be pretty sure of his answer before, he 'pops the question' for after all do not we women folks do the choosing, and by our action and looks, lead the one we have set our heart on, to A Wise Advisor one we have set our heart on, to popping the question.

But Bachelor Dick asks for sugges

tions, and there is only one I could possibly offer and that from my per-

possibly offer and toa-sonal experience.

First of all, I don't want you to think I am one of these religious cranks, because I feel that I am nuch wanting in that line. But I wanted a husband, a good, kind gen-wanted a husband, a good, kind gen-lesses with some knowledge of wanted a husband, a good, kind gentleman with some knowledge of how to make a living, a home, with comforts and babies to cheer it us. I didn't know of any young mark the time that the good of the comfort of the comf

"Nobody Home"

The judge did not seem to appreciate the remarks of the lawyer for the defence. (Several years, before they had had a fight over the question of religion). At last the judge interrupted the lawyer and said, "Do you not know that everything you are sayin- is going in one ear and out the other?" The lawyer turned to him and replied, "Your honor, what is to prevent?"—Burr.

THIS V MU

December

A MAN tried to was a fine hor it. I wanted anything about horse Aud I thin't know very well either.
So I told him I we try the horse for a Sey voir eitne.

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THIS WASHER MUST PAY FOR ITSELF

You see I braze " You Machines - the '1900 Grav' And I said to myelf, but give greatest convenient on Washing Machine as I well as nase of spersal thought about the braze, and about the rann who

thought about the hores, more A. To not overhold her control it.

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Address me personally: M. F. Morris, Manager, Nineteen Hundred Washer Co., 357 Yonge Street, Toronto, Ontario. Factory: 79-81 Portland

Learn to Stuff Birds Fine Library Assessed and Great Library and Aging Schools to the Control of the C



The "Pure Maple Law" is driving out adulterations—and you can now sell your Jure maple syrup and sugar at better prices than ever before.

The supply is asher.

The supply is exhausted, and 1916 will be an unusually good year for you to get a big share of the profits that will be made on high grade

The Champion Evaporator

makes the highest grade syrup and sugar faster, easier and at less cost than is possible by any other method., Sold on easy terms.

Write to-day for full information. Grimm Manufacturing Co., Limited 80 Wellington St., MONTREAL One Thousand Meals

ThreE meals a day, seven days in ThreE meals a day, seven days in the week, and 88 weeks of every year—for life. That's the sentence. No wonder some of us get in a rut and just bake a lot of things and boil a sufficient bulk of other things, and then fry the rest.

"They" eat and eat and eat and eat and "they" eat and eat and many times even satisfied and many times the use?" a vow, and so "what's the use?" I will be the summitted they will be the summitted they will be the summitted they will be the summitted the summitted they will be the summitted to the summitted they will be summitted to the summitted they will be summitted they will be summitted to the summitted they will be summitted they will be summitted to the summitted they will be summitted to the summitted they will be summitted they will be summitted to the summitted they will be summitted they will be summitted to the summitted they will be summitted to the summitted they will be summitted to the summitted they will be summitted they will be summitted to the summitted they will be summitted to the summitted they will be summitted to the summitted they will be summitte late ourserves that we know enough to supply this very necessary craving on the part of those we love and to take due thought to the task of planning the meals of each day so that all the elements needed will be supplied to keep that capricious though valuable thing we call appearing spiriting.

to keep that capricious though valuable thing we call appetite satisfied.

Why do "they" growl? Is it just "cussedness," or is there any real reason. Is there too much of a sameness in our meals or have we let things burn or served them up underdone. Or maybe we have overworked done. Or maybe we have overworked and are so tired and so peevish that the best of food doesn't seem good served by a bundle of nerves. Maybe not any of these. Maybe we have just let the family form the habit of growling so that they do it anyhow like puppies gnawing a bone. A cheerful suggestion from mother that if that's the way pumpkin pie affects them she better not make any more is often a timely hint. And don't make any more until asked and then tie a string to the promise.

Good-nature at meals is something the whole family have a right to ex-act of each member. "I don't care to eat." I've heard so many mothers say eat." I've heard so many mothers say after cooking an elaborate meal for the family. I remember one case; the mother had done this so much and said it so often that the family had become hardened to it and didn't really expect her to want to eat. Daughter Annie came home from a Daughter Annie came home from defamiliar reply what she'd have. She had been away though, and had learned a lot of things, and she saw Ma in a new light. In a few minutes she slipped from the room and pretty soon mysfrom the room and pretty soon mys-terious and enticing smells came from the kitchen. Before long in came a steaming, savory and dainty special dish prepared for Ma, one that she hadn't herself cooked, and the love that went into the preparation of it was no small part of the appreciation with which it was eaten. This is a true story. I know; because, you see, I was Ma.—F. S. & H.

Utility Contest

Utility Contest

OW about that letter you are going to write in connection with our connection with our connection with our connection with our connection of the contest? We are sent to be a contest of the contest of the conference of many of Our Women Folk on what they consider the greatest convenience in their home and how they obtained it. We published an interesting letter on the subject in our issue of last week and trust that Mrs. Burnett's letter and this reminder, will inspire her, there is a year's renewal subscription to Farm and Dairy and a cook book for the best letter published, a year's renewal subscription. Let us have your letter on the fore Dec. 15th when the contest closes. closes.



How Mrs. Smith Won Her Tea Set

Mrs. Jones-What a lovely set of dishes you have Mrs. Smith. They are just new, too, aren't they?

Mrs. Smith-Yes. I got them last week, and I got them so easily. I don't know what I was thinking about to do without a set so long.

Mrs. Jones-I am getting interested. How did you get them?

Mrs. Smith-Why, I saw Farm and Dairy's offer of a 40-piece tea set for a club of only four new subscribers, and it occurred to me that it would be an easy way of getting a set, and I needed them so badly! Well, that afternoon Mrs. Shiplev called, and when I told her what I had in mind she said she would start me off by giving me her subscription. That was encouraging so in the evening I called up two of my other neighbors and asked them to subscribe. They said they would be glad to. Then on my way to the village the next day I dropped in to see my sister, and she completed my club of four subscribers. It was all done in two afternoons, and cost me scarcely any time at all. In less than a week the dishes arrived, and here they are. Aren't they lovely?

Mrs. Jones—They certainly are. I'm going to try for a set myself. I'll get them with the gold band, like yours. How many subscriptions to Farm and Dairy did you say it takes to get them?

Mrs. Smith-Only four at \$1.00 each. Just send the subscriptions to the

Circulation Department Farm and Dairy, Peterboro, Ont.

and in a few days you will get the dishes.

A simple tie that can't nd or slip! Nothing to reak! You could tie or nite it with mitts on your dealer can't suply you, send a quarter and e will send one by mail postpaid.

You couldn't buy the rope that goes into this tie, and snaps and rings, for the same money—and you wouldn't have half as good a tie if you made it yourself.

e if you made it yoursell.

Griffith's Saves You Money.

Your dealer can show you a lot f Griffith money savers.

Ask him. if write to us for a list.

ou mention this paper.

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Live Poultry Bill your shipments to us. Advise us by

romptly. Egg Cases and Poultry Coops supplied

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TORONTO, ONT. Established 1854

CREAM

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while to do so. We furnish cans, pay all express

VALLEY CREAMERY LTD. ONTARIO **OTTAWA**

Dairy Cattle at Panama-Pacific Exposition on the market the equal of any made in Canada.

IEWED in the light of its possi-bilities, the Dairy Cattle Show at the Panama-Pacific Interna-al Exposition at San Francisco, tional cas a failure. Leading dairy exhibitors from all over the American continent had for years been planning to exhibit at San Francisco, and it was expected that there, for the first time, all of the principal herds of the East and the West should come into com petition. At the last moment, all Castern cattle were refused entry into netition. California because of the recent outbreak of foot and mouth disease in many Eastern states. All of the cattle therefore came from the three states of Washington, Oregon and Califor-nia. In numbers at least, two of the dairy breeds were more poorly represented than they are every year Toronto International. were, however, many high quality representatives of all the breeds, and

the showing was a good one.

Ayrshire entries totalled 104. The exhibitors were I. W. Clise, Washington; Walter J. Domes, Oregon; E. B. McFarlane, California, and the ton; Wantane, B. McFarlane, California, and the Agricultural College of Oregon. Hugh G. Van Pelt placed the ribbons. A feature of this exhibit was the num-ber of high record cows that also showed up well in competition. the herd of five aged cows, for in-stance, J. W. Clise showed cows with milk records as follows: Old Graitney een 4th, 10,283 lbs.: Lane Tibby 10,417 lbs.; Lilly of Willowmoor 22,596 lbs. Willowmoor Happy Girl, 7,796 lbs. and Southwick Kirstey, 8,251 lbs. The lowest fat record of the five cows was 334 lbs. in the year The senior and grand champion male was My Beauchan Peter Pan. His name indicates his breeding, and although nine years old he has retained his type so splendidly that grand championship honors are his common

Holsteins

W. H. Standish, of Lyons, Ohio, placed the awards among the Holsteins. The exhibitors were John L. Smith, Washington; Wm. Bishop Washington; Carnation Stock Farm Washington; Laura J. Frakes Bros., California; University of California and Oregon Agricultural Col-lege. The strongest classes were the aged bulls and aged cows, Smith se-curing the first award and Bishop the second. A feature of the whole cat-tle show was the exhibit of 100 Holstein cows made by the Carnation Stock Farms. These cows were on the grounds for several months, be-ing milked all of that time by the Calf The process of dairy Way milker. manufacture was carried still further when the milk from this herd was made into Carnation condensed milk in a small model condensory on the ground.

Jerseys

The Jersey show was an excellent one, and Mr. Thos. Delsey, of Ohio, who placed the awards, had a more difficult task than any of the other

judges. Here, as among the Ayrshires, there were many high record cows that also stood high in the show ring. Guy H. Müller, of California, showed five cows with yearly far records as follows: 702 bbs., 587 lbs., 518 lbs., 400 lbs. and 442 lbs., an average production for the five cows of 529 lbs. The grand champion Jersey cow was shown by F. E. Lynn, of Oregon. Nashville Susie showed wonderful Nashville Susie showed wonderful dairy capacity and splendid confor-mation. Other exhibitors were N. H. Locke Co., California; Frank Lough Locke Co., California; Frank Lough-atty, Oregon; University of Califor-nia; G. A. Dammeier, Oregon; G. G. Hewitt, Oregon; S. F. Williams, California; S. P. Kelly, California; E. L. Brewer, Gregon; Clifford Reed, Oregon; B. D. McGehee, California; C. P. Membree, Oregon; G. H. Gross, California; H. West, Oregon; Brook Bross, California and Ed. Bros., California and Oregon. A difficulty Brook Perry, Oregon. A difficulty and through in placing this breed was that there were two types represent-ed, the American type and the Island type, which made it hard for the judge to be consistent in his placings.

Guernseys, practically unknown in Canada except in the extreme East and extreme West, are popular on the Pacific coast, and were well represented at San Francisco by eight herds. Mr. C. L. Hill, of Wisconsin, placed the Guernseys. Here too there were many high record animals that also scored in the show ring.

All in all, the dairy exhibit at San

Francisco was a good one, but when we consider what it might have been, the showing was disappointing.

The Makers' Corner

Butter and Chesse Makers are in-vited to send contributions to this department, to ask questions on matters relating to cheese making, and to suggest subjects for discus-

*************** A Cheese Selling Problem

HE Quebec Cheese Makers'
Agricultural Co-operative Society suffer most on account
the poor reputation of Quebec the poor reputation dairy produce on the export market. "Now that the Co-operative Cheese-Now that the Co-operative Cheesemakers Society has made considerable progress in the quantity of produce handled and also in the quality, says the Journal of Africature, "if faces the proposition of finding some means of overcoming the handless are considered to the consideration of the considerable cons laces the proposition of finding some means of overcoming the handicap experienced on export markets. The cheese made in Quebec compares favorably with the best made in Canada, yet the buyers still adhere to the system of practically grading by provinger.

There seem to be two methods of overcoming this, first an active advertising campaign in favor of establishing establishing Quebec cheese, by establishing agents in Great Britain, and the second, a revising of the cheese grades. As they stand the three grades for white and colored cheese grades for white and colored cheese are all right, but the name on the box creates the difficulty for the makers in Quebec. In this case it would seem that there is "a lot in amme" as far as the buyers abroad are concerned, though dealers in would seem that there is a lot mame" as far as the buyers abroad are concerned, though dealers in this country are apparently of opin-jon that "the cheese smells and tastes as well," even though the ion that "the cheese amella and tastes as well," even though the name be changed. Having established a reputation for Western or Ontario cheese, it would seem unfair to them to have the name eliminaded, though there seems to be little hope for the more easterly province until this is done, or until the buyers are in some way-made that lotter that the poor reputation, and naw stands its poor reputation, and naw stands

in Canada.

The manager of the society, August Trudel, solds that cheese made in Canada espective of the part it comes room should be sold as Canada for this view, particularly when it is remembered that the cheese handled by him commands the better price, and some do not object to remarking it for export."

The Guelph Meeting

THE Annual Cheese and Creamery Meeting will be held at the Dairy School, Ontario Agricultural College, Guelph, Wednesday, Dec. 8, at 1.30 p.m. The Winter Fair be in progress at Guelph single fare may be secured on all the railroads. This is "The Meeting-Worth While." Subjects of importance to the dairy industry may be discussed at a meeting of this kind, which, for lack of time, cannot very well be dealt with at the Dairymen's Convention. Some well-known dairyman will lead the discussion on each

Mr. Robert Myrick, President, D. A. W. O., will be chairman. An outline of some of the subjects that will be up for discussion is as follows: To what extent are the patrons of cheese factories and creameries re-sponsible for loss on quality. Best sponsible for loss on quality. Best way to get all factory patrons to use a tank for cooling milk and cream. Proper dimensions of the butter box, the standard weight for creamery but-ter "solids." Registration of "cream Pasteurization of buying stations." The best "solution" to keep rubber parts of milking ma-chines. The sediment-test disk The sediment-test disk for The effect of "working" on patrons. The effect of working on butter. Standard for cream grading and how to get money to conduct an advertising campaign for cheese and

Everybody interested in dairying will be made welcome at this meeting

Evidence of Progress in Cow

Testing (Continued from page 3)

knowledge by the trellis of your perseverance and intelligence, finding full fruition in cows that pay well.

Success Requires Detail Work Do you say it is too niggling a job? May I venture to remind you that lack of detail is the sombre headline in many historical chapters of failure. The master of detail is a precise, punctual man, a sure winner. The small detail in weighing is well worth looking after. Your fellow-dairymen me convey this message,

It is desired to lay emphasis on testing as well as weighing, because it becomes daily of more importance. You may have noticed that since 1911 the value of Ontario butter has is-creased by one and a half millions of dollars, while the value of cheese made in Ontario has decreased by a similar sum. Then to every dairyman, but especially to a creamery patron, it is a matter of some moment whether a cow tests 3.4 or 4.3; whether she falls perhaps 10 or 18 pounds of fat talls perhaps 10 or 18 pounds of fat in a month below the yield of a stable mate on the same feed. How would we know of these good grade cows, cows giving 50, 60 and 70 pounds of cows giving 00, 60 and 70 points at fat per month, if we did not have dairy records? The modern slogan, "safety first," may well be heeded by the modern dairyman; to him it is translated perhaps better by "quality first," that is, such cow quality as, on the indisputable evidence of dairy records, produces abundant milk and fat at moderate cost. December 2,

A Ba

THE Census a wa, has issay quality and fodder crops of dition at Ootober 1916, and the property of the control Root and fold sisting of pota etc., hay and of and sugar beets, area of about 8, with 9,057,000 as compyear. The decree in respect to ha crease in 10tal 1 yold of the sam rold of the sam rield 10,965,000 to .59 ton

The area sown year's harvest is acrea, which is a area of 1.294,000 1915. The decrea tario and is dugast which the soil in tim sown to fall who do be 620,600 s 045,000 acres sown 222,400 acres sown 222,4 in 1914 to 260,56 difference repre-tible there is a 20 sorce: in 6 and 5 sorce: in 6 and 5 sorce: in 6 and 5 sorce: in 6 and 10 sorce and in B small increase acres sown to this or October p.c. of the standing of the sorce in cities of the standing of th Progress For all Canadi intended for ner as plowed by with 71 p.c. last in the Northwe in the Northwe follows: Manito chewan, 27, agai

ONTARIO F

ontario F HE following yields of p tario for 1 applied from it and the yields township i each townsessor crop correspond Fall Wheat: 8 81 bush., or 30 with 14,333,548 and ner sor with 14,333,648 as average per acr Spring Wheat: 98 bush., or 2 with 2,169,425 ar Barley: 552,31 bush., or 36.0 p 18,096,754 and 31. Oats: 2,871,755 bush. or 41.9 m ar 19,000 bush. Control 2,077,1765

Contro with 1.584.550 protections: 23, bank, or 76 per Potatoes: 23, bank, or 76 per Straff, and 34, Mangrels: 50,75 bank, or 48p protection: 2,439 per sacre and 33 in 1914. Garrots: 2,439 state and 33 in 1914. Sugar Beeter: 38 bank, or 478 per Straff, 766.519 and 480, 50 per Straff, 766.519 and 50 per Straff, 767.510 and 480, 50 per Straff, 767.510 and 480, 50 per Straff, 767.510 and 50

We Supply Cans

want all the New Laid Eggs you can produce.



We Pay Every Week

Write us tonight about handl-ing all your Cream for the coming winter.

The Bowes Co., Ltd. 72-74-76 Front St. Toronto

heese made the part it to be rea-ularly when the cheese the better object to re-

eeting

nd Creamery io Agricul-Wednesday, Wednesday, Winter Fair Guelph ed on all the ts of importof this kind. cannot very known dairy-

President, subjects that is as follows e patrons of reameries uality. Best k and cream. he butter box, creamery but-ion of "cream steurization of f milking ma-t-test disk for "working ream grading to conduct an or cheese and

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is of your pergence, finding at pay well. etail Work

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ire headline is ers of failure. is a precise, winner. The ig is well worth fellow-dairymen message,

y emphasis on ighing, because ore importance butter has inhalf millions of alue of cheese decreased by a every dairyman, reamery patron, 3; whether she yield of a stable ed. How would ood grade cows, and 70 pounds of modern slogan, ell be heeded by it be needed by it to him it is ttter by "quality cow quality as, widence of dairy undant milk and

A Batch of Canadian Crop News

REPORT ON CANADIAN CROPS.

THE Ceners and statistics office, Ottawa, has biened a report on the yield
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Boot and folder cross from the root of the root and
disting of potatoes, turning, managelde,
sic, hay and clover, and falls, folder corn
area of about \$577,000 and this reast a total
with \$9,070,000 acrees in 1944, and their catimoted vashes, entired to revision, is \$250,
rear. The decrease the area is principally
in respect to hay and clover, and the inground it is a root of the root of t

ONTARIO FIELD CROPS OF 1918.

ONTARIO FIELD CROPS OF 1918.

"Ill following statements give area and
prields of principal field crops of Ontario for 1915. The areas have been
compiled from individual returns of farmers and the yields by a special staff in
each township in addition to our regular

compiled from individual returns of farmers and the yields by a special staff in each township in addition to our requiar part of the control of the control

Cate: While this crop suffered from wet paratically light. Ability was much better sealth of 151.25 and 11.26 in 1954 age. Grain of good weight and quality about average accompand with A51.25 and 11.26 in 1954 age. Grain of good weight and quality about average accompand with A51.25 and A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 are yielded (453.763 tons, or 1.25 per acre, as compared with A51.25 per acre, as yielded (453.

A Pointer from Pickering

Read what Mr. J. F. PROWSE, of Pickering, writes us:

Pleased to advise you that my 5 H.P. engine purchased from you some months ago is giving me the best of satisfaction.

I think the 5 H.P. engine is the most suitable Farmer's Power, for it will run everything the ordinary farmer uses. I have found that my engine has lots of power to run a Outting Box, outting large corn sheaves and straw as fast as the box will take it.

The Page engine is very simple, and I am sure a child could start it, and I have also found that it is very easy on gasoline, using only about one gallon in three hours of hard running.

J. F. PROWSE

A LL WE CAN SAY about the Page engine must be weak beside the above letter-an opinion from a man like Mr. Prowse is far more to the point than all the statements we can make.

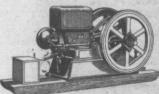
If you prefer, however, to have your own experience before you decide definitly to own a Page engine, we have a proposition that meets you more than half way. We go to the limit to prove you need a Page. We send it to you (freight prepaid) to try for 30 days. At the end of that time, if it hasn't convinced you, return it and we'll send back the money without argument

if we weren't SURE-if we didn't KNOW the Page to be a necessary part of your farm's

We also know we've got the cheapest engine on the market; horse power for horse power it sells for about half the cost of its best competitor.

Note	the prices:	
134	H.P	\$46.5
3	н.р.	68.0
- 5	Н.Р.	113.5
- 6	H.P	168.0

Don't put off this important matter of "Power on the Farm." Write to-day to our Information Bureau, for free advice on how to buy an engine, how to select the right horse power for your particular needs, and how to operate an engine so as to get the most out of it. By writing you put yourself under no obligation to buy-you simply put yourself in touch with someone who can advise you intelligently how to hitch power to



Farm Power Information Burzau

THE PAGE WIRE FENCE COMPANY LIMITED.

1159 KING STREET WEST

Wire Fence, Concrete Beinforcement, Wood Saws, Farm Trucks, Feed Grinders, Pumping Outfits, Roofing, Marine Engines, etc., etc., etc.,

THURSDAY, DECEMBER 16, 1915

ABOUT .

80 Head of Ayrshire

rom the colebrated herds of the Hon. Senator Owens, Montebello, Que., W. F. Isy, M.P., Phillipsburg, Que., and the Vaudreuil Dairy and Stock Farm, imited. Vaudreuil Station, Que., will be offered for sale at auction. Every animal will be registered in the Canadian National Recordinates and certificate of health will be delivered to each purchaser.

ANDREW PHILPS, Auctioneer

Catalogue may be had from the Secretary. A. E. D. HOLDEN, Room 805 McGill Building, 211 McGill St., Montreal

SUNNYSIDE AYRSHIRES

Imported and Home-Bred. Are of the choicest breeding of good type and have been selected for production. THERE Young Bulls dropped this facilities. Wether Hall openates of various ages, for sale. Write or some and see.

W. LOGAN, Howick Station, P.Q.

TANGLEWYLD AYRSHIRES

The Leading R. O. P. Herd Cows, Large Teats, Large Records Testers. Choice Young Bulls and Bull slives and a few Cows for sale.



le pay highest Prices For

And Remit Promptly

Treegers of the total control of the control of the

Guns We sell tellular production of the comments of the commen

Tohn allam 315 Hallam Building

TORONTO

The Canadian Lawyer HOW THE FARMER CAN KEEP OUT CANADIAN LAWYER OF LAW SUITS

book contains 453 pages, price \$2.00 in good cloth binding, and will be eent, postage

THE CARSWELL COMPANY, Limited, 23 DUNCAN ST., TORONTO, CANADA

MARKETS Lasasasasasar rasasasasasa

When a business.

When The wheat market has been subject to when market has been subject to when the week of the week of the week tolese very much as it opened. The demand of foreign countries for wheat about equals their demands of last year. The work of the week of th

No. 2. dec Ontario. No. 5. 56c to 56c. commercial costs, 56c to 57c. American corn. 77/6c: Canadian corn. 787/6c: Canadian corn. 787/6c: Canadian corn. 78c; peas. 81.56 to 85c; to 65c; ted., 59c to 58c; to 86c; to

75c) barley, malting, sie to 6°c; buckwheat.
70c to 80c. MAY AND STRAW.
On this market No. 1 hav le quoted atady as 15 to 1325 on track, No. 1 hav le quoted atady as 15 to 1325 on track, No. 1 have leaved at 15 to 15

ported sold as LIVE STOCK.

The cattle market has been more active this past week than the week preceding, and this activity applied to all classes of eattle. Good butchers' cattle were firm, and heavy cattle hotters, week at the opening, firmed toward the close. Alto-greater there were 4,500 less cattle handled than the week previous. Calf receipts were 500 less than 4,500 head less than as week ago. The greater portion of the receipts were of the cheaper class of cattle. The track in stockers and feedlers all control of the control of the

are as follows: Heavy choice steers, \$7.75 to \$8; hands, \$7.50 to \$7.85; good butcher steers, \$7 to

87.50; com. to med., \$5.50 tv \$6.75; heifers, \$6 to \$7.40; choice cows, \$6 to \$6.50; med to good, \$4.50 to \$6; butcher bulls, \$4 to \$6.60; feeders, \$6.25 to \$6.50; nockers, \$4.75 to \$6.50; canners and outters, \$3.25 to

6476.

Cho'ce milch cows were in atrong demand at \$75 to \$100 and even higher was realized for extra good ones. Med. to good, \$80 to \$75; com., \$84 to \$60; enrine era, \$80 to \$187; com., \$84 to \$60; enrine era, \$80 to \$10; enrine era, \$100; enrich era, \$100;

The hog market has been strong. On the first day of the week packers quotee 83-40 fed and watered, but before close of week they were quoting about 100 fed and watered, but before close of which was not before close of the first day of the first week of the first day of the first week of the first day of the first week for not always the first week of the first day of the first week for not always the first week of the first day of the first week of the first day of the first week of the first day of the first

********* **OUR FARMERS' CLUB**

**************** PRINCE EDWARD

PRINCE EDWARD ISLAND KINGS CO. P.E. MINGS CO. P.E.

best weights, best, blet, lambs, 50 to 60 live weights. On TARIO ON THE WORLD ON TH

ARMIL MANITOULIN DIST, ONT.

ARRIE BIARAD, Now. 27.—A most beautiful autumn has given the farmers opportunity to get roots gathered in and either proving done in good condition. Me mow as yet and little frost state and the proving done in good condition. We have been found that the state of the winter. Cattle and lambs have been nearly all shipped and the cabe and the cattering have been quite antisfactory. The markets are very good.

Barbon of the state o

RECISTERED HOLSTEINS FOR SALE 20 Head. Females from 5 months old and upwards, also 6-yr.-old Stock Buil and 2 Bull Calves. Jesse Looker, R.R. 3, Mitchell, 0st.

REGISTERED HOLSTEINS The Motheral Dairy Herd, Box 99, Drumbo, Out

December

Ayrehire Broscot 16, A. E. Southern Co Sub Consigna Mesers. M. Jombined disp Sillsonburg. C. Brantford

Club, second a WITH the Grove S Mr. H. J of the finest the herds of Wese existence. Mr

Another stro

50 Re H

Will be offered records Pauline the sale. bred to tion tha Thi

dams an be held



HOTEL CARLS-RITE

86.75; heifers, o \$6.50; med. bulls, 84 to tookers, \$4.75 ers, \$3.25 to

2, 1915

es. Med. to \$60; spring-d from \$4 to quality. ngthened on eep are now

the previous if the values

CLUB

A. kinds of crops I save for the he usual stuff st yet to stop a great deal of of farm propotatoes. 5c; table beets, 40c; hb.; pork, 9/c, mbe, 5c to 6c ONT.

weather has
se are getting
has been very
of snow. The
Our cheese facn, \$27; shorts,
ats, 500; buck\$1.25 a pair;
ic; carrots, 65c; \$1.25 a pair; ic; carrots, 66c; a bus. Turnips attle are going otter than last

l housed except
busy making
s for stock and
at \$9.50; butter,
The dairy cows
milk.—P.B.F.
ONT.

thetanding the as been all that g the fall work on heavy land, ny farms untifit and Friday, an weather will ishape for the rly all housed, out to market-position to the g at high price, attle farming—

T., ONT.
T.,

months old and ck Bull and 2 Bull 2. 3, Mitchell, 0st. OLSTEINS

ox 99, Drumbo, Out

ALE DATES CLAIMED.

Dispersion fale of Holsteins. H. Bollert, Maple Grove Farm, Parviscote, Dec. Aryshire Breeder's Sale, Montreal, Que, Service of H. Boller, Maple Grove H. Boller, Service of H. Bo

erre use right type in boundation ani-Hesseitje Alice De Kol End (6 yrac) is one of his hig roomy animals. She is very deep in the older and with outstanding the control of the control of the control tal, and made 2.66 head and the dairy year old under unfavorable conditions, she has a feeder's head and the dairy again the control of the control of the bar hig deep-chested three year old daugh-ter (in sale) made 2.66 lbs, seem days, the she had been seen days of the control the control of the control of the control she control of the control of the control of the bar higher than the control of the control of the she control of the control of the control of the she comes in March did not will carry and bin-she comes in March did not will carry as the state of the s This hetter is very typeg, sequere and bits nie comes in March 6th and will carry a mean time of the control of

Holstein Bull Calves To Highest Bidder

To the highest hid received by December 8th, we will give the choice of two 7 months old Holstein brill calves.

These are from untested dams and are beautiful, straight calves. Four vasiling situations from the straight calves. These are from untested dame and are beautiful, straight calves. Four pearing sisters from the same stock as dame brought 825 each at our last saie. These two calves \$7RED BY WOODCREST SIR CLYDE, who is sired by Petel 252 Woodcrest Lad, the same as our first great herd buil, Prince Henger-Petel 252 who has three over 30 lb. 377-01d daughters; his dam. Alma Clark and the same and

Send bids to.

AVONDALE FARM

BROCKVILLE, ONT.

HOLSTEINS 19 Bulls, 50 Females. One yearling bull (a dandy), by King Segil 60 day milk records for Canada, for a senior 2-year-old. His dam is a Grand-daughter of King Segis. Another by a son of Pontiac Korndyke from a 29 lb, dam, Ring Segis. Anoth R. M. HOLTBY R. R. 4, PORT PERRY, ONT.

Orchard Leigh Holsteins

Present offering R.O.M. and R.O.P. cows, heifers and young bulls fit for service. Good individuals. All records made on the farm. White us your wants, or better, come and see them. Electric cars stop at the gate. We will be glad to meet you at Guelph Winter Pair. JAMES G. CURRIE & SON INGERSOLL, ONT.

VILLA VIEW HIGH-TESTING HOLSTEINS

Here handed by King Social Aleastra Galamity, the \$2,000 Si-h show bull. Kings full brother King Social Aleastra Galamity, the \$2,000 Si-h show bull. Kings full brother hand a \$40, to insure. Also Sull Galves from one to the Kings services are for whose dam and alre's dam arrange 30 her Prices from \$10,000 to \$500. Sittems it. O, four horizontal arrange and the prices from \$10,000 to \$500. Sittems it. O, four here we have a superior superio ARBOGAST BROS. SEBRINGVILLE

KORNGOLD IMPROVED ENGLISH YORKSHIRES

F. J. McCALPIN, Kurngold Stock Farm, GANANOQUE, ONT.

SUMMER HILL OXFORDS Flock-established many years ago by the late Peter Arkell. Rams and Ews for sale in any quantity, all recorded. Strictly no grades handled except by order. PETER ARRELL & CO., Proprietors, TEESWATER, Ont. P. Ont. On the and O.P.R. Station.

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foundation herd, consisting of 1 male and 3 females, all bred in the purple and backed by officially tested dams. Terms to suit purplease.

E. F. OSLER, Proprietor, A. Dawyon, Manager. A. DAWSON, Manager

50 Head Registered Holsteins

Another strong constitutioned cow is Allie De Kol Abbekerk. She is well yeined

Maple Grove Stock Farm Herd of Holstein

Will be sold at Public Auction at my Farm, on Thursday, December 9, at 1 p.m. This Sale comprises MY ENTIRE

HERD, that has taken years to build up to the present standard. Ill-health forces me to sell. Every animal offered will be sold strictly without reserve. If you have not already sent for a catalogue, do so and note the records and breeding of my animals. Every mature female is backed by good 7-day records (Maple Grove Tidy Pauline has 25.00 lbs. to her credit), in addition to strong R. O. P. records. As to type, we ask you to judge at the sale. Our young females offer a great choice, there being 15 Daughters (yearlings and 2 yrs.) of King Lyons Hengerveid, and nearly all

bred to the jr. herd sire-King Lyons Colantha. These sires combine the blood of King Walker, King Segis and the Colanthas-a combination that is producing the highest of records and demanding the best of prices both in Canada and the U.S.

This is strictly a Breeders' Clearing Sale, as practically every animal is of our own breeding and from high-producing, officially-tested dams and our own Herd Sires. If you need Holsteins, or whether you buy or not, we invite you to be with us on December 9. The Sale will be held in a comfortably-heated building and lunch served at noon.



Sr. Herd Sire Look Up His Breeding.

King Lyons Hengerveld
Sr. Herd Sirs.

TERM8—Cash or 6% on 8 mths. bankable paper.
Conveyances will meet G.T.R. trains at Tavistock and New Hamburg on day of Sale.

T. MERRIT MOORE, Auctioneer

FEMALES With Records from 14.0 to 25.07 lbs. in 7 days.

THURSDAY

NOTE.—We have made arrangements to have all G.T.R. trains on the Tavistock-Paris line stop at my crossing on morning of sale. This is only a few hundred yards from the building. Ask the conductor about the place.

Prop a Card for Your Catalogue R. R. 1, TAVISTOCK, ONT.

^ Christmas Gift for You



GUARANTEED FLOURS	Per 98-lb.
Cream of the West Flour (for bread)	
Toronto's Pride (for bread)	3.00
Monarch Flour (makes delicious pastry)	. 3.00
CEREALS	
Cream of the West Wheatlets (per 6-lb. bag)	25
Norwegian Rolled Oats (per 90-lb. bag)	. 2.70
Bob-o-link Corameal (per 98-ib. bag)	2.20
	Per 100-lb
FEEDS	bag.
"Bullrush" Bran	. \$1.25
"Bullrush" Middlings	1.30
Extra White Middings	1.45
(Power! Food Flore	1.75
Whole Manitoba Oats	1.80
"Rullensh" Crushed Oats	1.85
Sunset Crushed Oats	1.70
Manitoba Feed Barley	1.85
Barley Meal	1.90
Geneva Feed (crushed corn, oats and barley)	2.25
Oil Cake Meal (old process, ground fine)	A.S. C. STORY
Chopped Oats	1.65
Feed Wheat	1.70
Whole Corn	1.75
Cracked Corn Food Corn Meal	
Feed Corn Mean	

PRICES ON TON LOTS—We cannot make any reduction on above prices, even if you purchase five or ten tons. The only reductions from above prices would be on carload orders.

TERMS CASH WITH ORDER—Orders may be assorted as desired. On shipments up to five bags, buyer pays freight charges. On shipments over five bags we will prepay freight to any section in Ontario East of Suibury and South of North Bay. West of Sudbury and in New Ontario add 15 cents per bag. Prices are subject to market changes.

HERE IS A SPECIAL CHRISTMAS GIFT OFFER to our farmer friendle-and only good for the month of December.

With every 98-lb. bag of flour ordered between now and the end of the month, we will give an interesting novel or a cook book free. On and after January 1st, 1916, only one book will be given with every four bags.

These books are heatly bound, clearly printed and are by famous authors. You would like several of them we are sure.

Many of you who are reading this announcement have used our products before, and know how good

Cream of West Flour

the hard wheat flour guaranteed for bread

and our other flours are. To those who have not used them, we say, "try them at our risk." We guarantee satisfaction or your money back. Read the price list on the left, make out your order, and select the book or books you want from the list below. One book free with every 98-lb. bag of flour.

List of Books

Ye Olde Miller's Household Book —Over 1,000 tested recipes. Instruction how to carve meat and game. Large medical section. A very valuable book. Would retail at \$1.00. Enclose 10 cents to pay for postage and packing of this hook. No postage asked for our other books.

Black Beauty—A world famous story of a beautiful horse. Has been translated into dozens of languages.

Rebecca of Sunnybrook Farm — A characteristic story of country life which has achieved great popularity.

Little Women—The story of a family of everyday girls so interesting that you'll want to re-read it the minute you finish it.

innocents Abroad—One of the best stories of the famous Mark Twain.

The Lilac Sunbonnet—A splendid story by S. R. Crockett, the famous English author.

Que Vadle—A stirring historical romance of Rome in the time of the Caesars by the famous Polish novelist, Sienkiewicz.

Lorna Doone—R. D. Blackmore's famous classic. A story that will live forever.

Three Musketsers—A thrilling adventure by Alexandre Dumas.

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Mr. Potter of Texas — A. C. Gunter's stirring book of adventure, with a plot set in Egypt.

Beautiful Joe—A real story of a real dog that has made its Canadian author world famous.

A Welsh Singer—Three hundred and sixty thousand copies have been sold.

Adam Bede—George Eliot has written nothing more moving or true to life than this masterpiece.

Helen's Bables—A most refreshing and amusing book.

Tom's Brown's School Days—A story of public school life in England.

David Harum—An amusing character rovel that has been one of the world's best sellers.

The Scarlet Pimpu sel — A tale of romance and adventure that has thrilled thousands.

The Mill on the Floss—A typical story of human nature by George Eliot.

Jess-One of Rider Haggard's most popular mystery stories.

The Story of an African Farm— A most interesting story of the Boers and Englishmen in Africa fifty years ago.

The Campbell Flour Mills Co., Limited (West) Toronto Ontario