Fifth Annual Special Farm Machinery Magazine Number

VOL. XXXII.

NUMBER 23

RURALHOME

PETERBORO, ONT.

JUNE 5

1913



A FARMER'S BUSINESS ABILITY IS REFLECTED IN HIS IMPLEMENTS

The Double Cutaway Harrow, here illustrated, enables a man to do in one day as much work as he formerly did in two with the ordinary disk harrow. The same is true of the gang plow, the two row cultivator, the corn binder, and so on all along the line of improved farm implements. Why then complain of high wages for labor. If wages have so on an along the line of improved farm implements. Why then complain of high wages for labor, it wages have increased, opportunities for employing that labor profitably have increased in even greater proportion. The businesslike farmer, by using implements that are efficient and up-to-date, employs highpriced labor to his own and the laborer's advantage,

> DEVOTED TO BETTER FARMING AND GANADIAN GOUNTRY LIFE

> > ISSUED EACH WEEK

Only \$1.00 a Year

674

Summer Work

Cut in Two

For You

Now that your cows are all fresh and milk-ing so splendidly and you have so much other work to do, you can save yourself greatly and make more money by having the two great helpers we have for you.



The favorite everywhere it foes. Note its beauty and heavy compact construction, with low-down, handy supply can only 3% ft. from the floor.

The Large-Capacity "Simplex" Cream Separator
The B-L-K Mechanical Milker
(Both Pronounced Successes)

Think how nice it would be now when you are so busy to be able to separate your milk in half the time you now do it with an ordinary hand separator!

The large-capacity 1:00-lb, "Simplex" Cream Separator, once it is at speed, turns as easy as the 500-lb, machines of most other makes. We will prove this to you. It will pay you to ask us for the facts. Send now for book let describing "Simplex" Large Capacity, low down, easy turning cream separators.

What would you give to be able to free yourself trom the drudgery of hand milking, and be able to milk all of your cows fand as many more as you wonted to put in), doin; the milking thoroughly and successfully by worth to be able to milk all of thoroughly and successfully by worth to be able to milking thoroughly and successfully by worth to be able to milking thoroughly and successfully by worth to be able to be able to milking thoroughly and successfully by worth and many. A B-L-K Milker will milk your cows for you. Outfit costs not so much as you might think. Write for booklet describing it all.

You can send us a rough sketch of your stables, tell us how many cows you must to milk, say whether or not you have power available, or will require power, and WELL FIRMSHY YOU WITH A ESTIMATE of just what it will cost you to put in your stable a BL-K mechanical milk. There will be no obligation on your part to buy. It will interest you to have these facts. It will pay you, as it pays others, to have a B-L-K milker.

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WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

Famous Fleury Plows

Have done ALL the work on TENS OF THOUSANDS of farms throughout Ontario over a period of fifty years. To-day their reputation is higher than ever before, and

IS FULLY DESERVED

We are the Original Makers of the Famous No. 21 Plow, and the Only Manufacturers of the ORIGINAL NO. 21 PLOW-Imitated by nearly every other manufacturer of Plows in Canada. In general, Imitations are Inferior-so it is in Plows. Buy only the Original.

When other manufacturers advertise a No 21 Plow it is a Testimonial to

Fleury's Famous ORIGINAL No. 21 PLOW

Famous Fleury Plows

No. 21, "DANDY", No. 13, and No. 15A (One Horse) surpass all others in lightness of draught, ease of holding, quality of work in the field.

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Medals and Diplomas, World's Fairs, Chic ago and Paris.





PUBLISHER'S DESK

NE of our friends the other day asked us just what it cost Farm asked us just what it cost Farm and Dairy to do without he evenue that it would derive from publishing its share of the unclean and objectionable advertising that is available. We told this friend that we could not very well tell just what we could not very definition to the country of the country o

We were reading the May issue of Successful Farming the other day, and we noticed in it a personal letter to the publisher from one of his subscribers, Mr. H. R. Guthrie, an Ohio farmer. The letter read as follows:

Dear Sir:
I no ice reference in a recent issue to
the fact that you do not accept liquer,
tobacco, medical, or fraudulent advertising.

I feel that you are to be especially
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abberioners and hind you herewith four subservations. And hind you herewith four subservations. The subservations is a subservation of advertising on your part must mean a large financial loss; and it should be made up to handle loss; and it should be made up to have a subservation of the subservation of

Mr. Meredith in his reply to this letter, gives out the information that from liquor, tobacco, medical, investment advertisements, etc., etc., they turned down on an average over \$250 a day, or over \$75,000 in the course of a year. Their rate is of course much higher than Farm and Dairy because of their, much greater circulation, hence the great sum of money which represents the cost to Successful Farming of clean advertising.

But Mr. Meredith does not count that money as a loss. Neither does Farm and Dairy consider the unwholesome and objectionable business we turn away from these columns as a loss so long as our readers show their appreciation as they have by patronizing the advertisers we do carry, everyone of whom we guaratee and stand back of absolutely.

Advertisers patronize those paper of the pay them and every reader of Farm and Dairy can do us a green and the pay them and the particular of the particular

When you answer an advertiseme be sure to use the exact street room number shown in Farm an Dairy so that your letter will gave the right people, and always me tion Farm and Dairy's pestitive gue antee of honest dealing and fair treb ment from our advertisers.

All publishers as you well know a not favor the policy of Farm at policy of part and the policy of t

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Vol. XXXII.

FOR WEEK ENDING JUNE 5, 1913

No. 23

Only \$1.00

The Evolution of Corn Cropping Machinery

many years. The profitable production of this crop, possibly even more markedly than in the case of any other farm crop, has always meant much labor. If the more thoroughly every operation is performed the more striking the crop returns, is true of most crops, it is doubly true of this The difficulties surrounding its

profitable production in the way of the arge amount of labor necessary to ensure a good return from the area under crop have, however, effectively attracted the inventive genius of not a few able men if we may judge by the progrees that has been made in such implements as corn planters, corn cultivators, corn harvesters, corn huskers, corn shellers and blowers and shredders. The result is that corn growing to-day is as child's play when contrasted with the strenuous job it was some 30 or 40 years

The writer has been actively interested in the corn crop for 35 years or over. Recently while thinking of those days in the later seventies when as a small boy on a Quebec farm I trudged behind

a team and an eight-foot harrow, slowly getting the land into shape for corn planting, I was struck by this g.eat difference between now and then in so far as implements used in corn growing are concerned.

The accompanying photos attempt in some measure to make that difference clear. The handling of the land from start to finish was slow and laborious in those days, a third of a century ago. It would also have been expensive had not wages



Finds Favor Wherever Tried

The double outsaway harrow here illustrated is one of the few owned in Canada. Mr. H. R. Miron, Brant Oo, Ont.; is now using it for the first time. The implement is highly recommended by Mr. J. H. Griss date whe tells of it in an article adjoint, and the company of the compan

then ruled so low as to make it profitable (while at the same time necessary) to do so much by hand or to expend so much man labor to produce the crop.

How Machinery is Eliminating Manual Labor in Corn Crop Management

J. H. Grisdale



Two Days Work into One, and that easily

I wo Page work into Use, and that vally you come, from a photograph taken on the farm of Mr. Geo. Bir. 9 Co., Ont., we have illustrated the whole trend of modern farm development. The atment development. The atment of the form of the form of the whole the connomination. That too is the sime of the page to define farm maching the bired man earn his wage.

Through clay hub deep in the old tumbril cart the manure was carted from the pile to all parts of the field and laboriously spread either from the cart or from the small piles dumped at well-judged intervals. One's arm and hand remember yet the heave and twist that ripped the forkful of shining "muck" from the steaming mass and sent it whirling and disintegrated to lie ready for the oncoming plow.

The little Canadian horses hitched to the one furrow cast-iron plow (as commonly used in that district) managed to do good work, and to do it fairly quickly, everything considered. The same team on an eight-foot harrow made but sorry headway against tough sod or hard clay, but perseverance finally won out. The ridging of the land with the double mould-board plow into drills three feet apart and the running of the old wooden marker across the same were the final operations before the planting by hand and hoe, or hand and foot as was often the case.

Cultivation was done with the old single walking cultivator. Harvesting saw the trusty sickle brought into operation and the corn set up to dry out in shock before being stored away on the top of the mow or in settling lofts, later to be fed long and dry to the hungry cattle.

Conditions to-day are different. Men demand \$2.00 a day instead of 50 cents as was paid near Montreal at that time. Horses have improved in size at least and implements are greatly changed. The manure spreader as it rolls across

the field, with its small cataract of fertility following, lessons labor and increases manurial values by thorough disintegration. The two-furrow plow with three good horses turns three acres a day. Using the heavy land roller or, better still, the packer, immediately after plowing, then pulverizing with the four-horse double cutaway disc and the 24-foot smoothing harrow makes a much better job at a good dea! less than half the cost for manual labor than in days gone by in spite of higher wages. Rolling the land, then planting with the 20-inch marker seed drill or the regular corn planter on the flat saves time, conserves moisture and helps keep down weeds. Harrowing as the green points shoot up and then using the tworow cultivator every week or oftener till the corn stands three or four feet high helps keep down the cost of cleaning and encourages the corn to grow. The hoe is still needed, but to a very limited extent only. The one-horse walking cultivator also still has a place and, if at all possible, should be kept moving up and down the rows long after the stalks rise above the horse's head.

The cutting of the corn, binding into sheaves and shocking,-all of them at one time heavy manual labor jobs-are now done by machinery for the most part. The corn harvester capable of cutting from five to eight acres a day not only cuts and binds, but greatly facilitates loading. The curing of corn in the shock, an expensive and



Corn Planting at Its Best

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is the double-row oorn planter here illustrated,
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machine may be regulated to plant in
Aux who have ever used this implet would no method of obset to any of the oldtime method of the planting.

—Photo by an editor of Farm and Dairy.

uncertain method of preserving the crop, has given place to the silo, where practically every last pound of digestible matter is perfectly con-

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the way nner

The utilization of the cut-box for filling the silo and the change to the blower and shredder is

undoubtedly one of the most important lines of progress in modern agriculture on the American Continent, if one may judge by its effect in simplifying the problems and lowering the cost of cattle feeding, to say nothing of its immense influence in popularizing winter-dairying, or, one might say. in making dairying a really possible and profitable industry on this continent of short grass and brief grazing seasons.

work can be avoided entirely if we start right at the first to do the square thing by the corn crop. I have grown corn for many years now and never yet have I had to use hand labor except in cut-



Which of these two men made the best investment?

Which of these two men made the best investment f. ...

These two views are both from photographs taken in Huron Co. Ont. and within a short distance of each other. The man on the riding cultivator, even two rows at once, one cultivate M acres in a day quite as easily as the man with the waking cultivate even can cultivate even. Isn't the riding cultivator, even if it did cost more, the better investment of the two?

corn rows can be detected. We run the drag har. row cross ways of the rows. This harrowing does not pull out much corn and kills innumerable weeds that are just starting to germinate. Also

harrowing makes a nice soil mulch. Sometimes this harrowing is repeated but more often I cultivate

from then on. This cultivating is now only half so much work as it used to be. Last season on Farm and Dairy's recommendation, I purchased a two-row cultivator that is giving the very best of satisfaction. True the corn has to be planted in fairly straight rous to use this cultivator to advantage but that is comparatively easy where either the drill or the special corn planter is

used. I use the former do not stop cultivating when the corn is so high that the machine will not straddle the rows; the single row cultivator is then brought into opera-

tion and we continue almost to corn harvest I regard this late cultivation as of immense importance. Corn unlike any other form crop takes most of its nourishment from and soil late in the season. One might almost say that other crops are in the born before corn begins seriously to feed on the soil. Shallow cultivation, say two

Treat the Corn Right

L. K. Shaw, Welland Co., Ont.

Corn that is treated right will look thrifty from start to finish. The trouble is that farmers seem to forget the corn once the seed is in the ground and leave it to conduct an unequal fight with weeds and drought. Then we wake up again and turn ourselves and our men in a 10 or 20acre field to fight the weeds with hand hoes. I believe that this expensive and laborious handting out the few thistles during the first year or

My first precaution after the corn is in the ground is to harrow with a light slant tooth drag. It is alright to roll the soil down firmly around the seed but when the field is left with the surface packed hard, I find that the soil dries out more quickly than if harrowed immediately and that much moisture is lost to the crop.

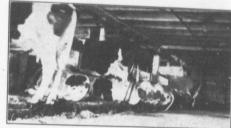
The next harrowing follows just as soon as the

One Farmer's Milking Problem Solved

TOW to get the cows milked is a more serious problem in Elgin and Oxford counties than it is in most country sections. Hired help is just as scarce there as it is elsewhere; and there are more cows to be nrilked. The farmers of these up-todate dairy counties do not milk a few cows as a sort of unimportant side line and thorn in the flesh of the hired man. They go into dairying in a businesslike way. If they cannot find a way to get their cows milked the main source of their income is cut off; hence the solution of the milking problem is a vital one with them. And some of them have already solved the problem. One milking machine agent recently sold over 60 milking machines in Oxford county alone. These machines were sold largely on the strength of the recommendations of other dairymen in Oxford and adjoining counties who have already successfully tested "milking by machinery."

One of these experienced dairymen who strongly advocates mechanical milking is L. H. Lippsitt, of Straffordville, in Elgin county. Straffordville is an awkward place to reach, there being but one train a day. But so highly was Mr. Lippsitt recommending his machine milker that an editor of Farm and Dairy decided that he must see Mr. Lippsitt's machine at work and have a talk with him on the merits of this comparatively new system of milking cows. We know just how difficult it is to get hired help at all to say nothing of getting hired help who are also experienced milkers. Hence our interest in the "manless" milker.

MILKER UNEQUIVOCALLY ENDORSED It was no half-hearted praise that Mr. Lippsitt bestowed on his new outfit. He has only had it a year, but he has tested the machine thoroughMachine Milking a Success



In this Stable, Hand Milking is almost a thing of the past

Mr. L. H. Lippsitt, Elgin Co., Ont. has pure-bred cattle only, and some of them re Mr. L. H. Lippsitt. Eigin Co., Ont. has pure-bred cattle only, and some of them re-present a good stiff investment. None of them, however, are too good to be milk-ed by machinery. In an adjoining article Mr. Lippsitt tells of how the milking machine has enabled him to solve the question of how to get the cows milked Photo by an editor of Farm and Dairy

ly and has not found it wanting in any particular. Mr. Lippsitt has not jumped to conclusions that he will regret later. It took him a long time to make up his mind to give the machine a trial. He first investigated the efficiency of this method of milking in other districts where dairymen had already adopted the machine and when it was installed in his own stable, he said little about it until he had every reason to be dead certain that the machine was going to continue to "make good." Of course our main interest was to find how the machine was performing as a labor-

TWENTY COWS AN HOUR

"A man can milk 20 cows an hour all by himself with this machine," said Mr. Lippsett. "I am not talking about the maximum possibilities of the machine; that's what we do, twenty cows

an hour every day the machine is in operation. This simply means that in a good sized dairy the farmer is not absolutely dependant on hired help to get the cows milked, but if need be can milk 30 or 40 cows himself

"How about the cleaning?" we next asked. "We have been told that it requires a complete sterilizing apparatus in the stable to keep a machine clean enough to produce good milk."

"Well, we ship our cream to Stratton and Taylor in Guelph, and they consider it first class," answered Mr. Lippsitt. "We have never had a conplaint. Our method of washing may appear slovenly to some, but so long as our customers don't kick and we can never smell anything wrong, we are satisfied. I will wash the machine right now just to show you how easy it is done !

MACHINE WASHED IN ONE MINUTE

Suiting the action to the word, Mr. Lippsitt pumped a bucket of water, attached the machine to the exhaust pipe, dropped the nipple into the water and let it go. A vacuum was created in a unit can, the water rushed through the rubber tubes from the bucket and the operation was completed. Mr. Lippsitt claims that the water is sucked through rapidly enough to remove every particle of milk and dirt in the tubes and it only takes a half a minute, or a minute to complete the operation so far as one unit is concerned. The nipples and rubber tubes are then immersed in lime water until the next milking time.

At the time of our visit Mr. Lippsitt was only milking five cows and a couple of them were being milked three times a day and hence at different hours from the remaining three. The machine, therefore, was not in use and had not been for

(Continued on page 14)

June 5

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Farmers Who Drive Their Own Automobiles Experiences of Farm and Dairy Readers

AN the farmer afford to buy an automobile? Well lots of them do anyway and get a heap of satisfaction out of their cars. It is estimated that one-half or more of the cars owned in the United States, are owned by farmers. At every country fair in the middle western states, the long string of automobiles that one will see there is not an evidence of the interest that wealthy or professional people in town take in the county fair; they are the cars that have brought the farmers and their families to their own show. In towns in those same states many of the autombiles seen around on market day are farm-

pleasure as well as any other man? The great majority of the farmer owned cars, however, so their owners tell us, go a long way towards paying for themselves in the time that they save on business trips. And many more are considered a



THREE YEARS' EXPERIENCE

"This is the third season that we have run our car," writes Mr. Harry Ketcheson. "On an average we have made 211/2 miles on a gallon of gasoline and our repair expenses thus far have not exceeded \$2. We expect, however, to get an extra

tire soon to have in case of emergency. We have run nearly 6,000 miles now on the first set of tires, both on pleasure and business trips We enjoy the car as it shortens the distance between us and our friends, markets and other places."

Mr. W. W. Dracup tells us that his experience with the automobile has been short, only about a year, but so far he is well satisfied. "If a farmer of ordinary means wishes

to take a little out of life as he goes along, I do not know of anything he could invest in to give him more for his money than a car," writes Mr. Dracup. And then he gives the following hints on selection.

"A farmer may expect that the heavier and more expensive his car is, the more expensive

will be the up-keep, both for gasoline and tires. I am delighted with my car which is a light one. I live in a hilly country and the car always comes home smiling. For gas and oil it cost me one cent a mile last season."

"The automobile puts railway conveniences at the farmer's door, with the additional advantage that the time table is arranged to suit himself." Thus does Mr. Joseph Frappy sum up the advantages of his car. "I am not in favor," he continues, "of a heavy car as an additional one

thousand pounds weight is very destructive on tires and expensive on gasoline. The owner should be of a mechanical turn as 'hold-ups' are common at the repair shops."

Mr. Frappy believes that the automobile has a utility value. "Never buy a car for pleasure alone," he writes. "I can conceive of many instances where a motor car might be injurious to the younger members of the farmer's family, in cultivating a pleasure seeking spirit at the expense of nobler qualities. Wisely managed, however, a car may open up new spheres of usefulness and increase educational ad-

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farmers in many United States seeto the additional states seeto the automobile of the series of the automobile of the series farmer's car makes farming more of a pleasure and farming less burdensome," he writes to Farm and Dairy. "When the day's work is done, I can take a drive of 20 or 25 miles in the evening and all in one hour. Such a drive lifts the cares and anxieties of farm life. Since I have gotten our car, I do not think of going away from the farm until the afternoon. Then I can drive almost any distance I wish, transact my business and be back in time for milking and chores. I can go to market in one-quarter the time I can with horses and scon be home again at my work. I bought my sixcylinder car in 1912 and can run it for \$75 or \$100 a season barring accidents or breaks.

"This may seem somewhat expensive, but I do not think any one can have much pleasure without paying for it; and why should not the farmer take a little pleasure along with his everyday duties as well as our city cousins? I find that there is an excitement and fas nation in driving a car and I for one get enough pleasure out of my car to make it profitable to myself and family."

"I built a small garage for my car, a fire-proof building 12 by 24 feet by eight feet high with a cement floor. The floor slopes both ways towards the centre and then towards the door, so that all mud and wa'er run out immediately when I wash the car. My car cost \$2,350 so I think it is worth taking care of."

THIS CAR A BUSINESS PROPOSITION

Mr. Jerry Marshall takes as much pleasure out of his car as anyone, but at the same time he re-(Continued on page 8)



All of the Family Appreciate their Auto

Mr. Jerry Marshall, Hastings Co., Ont., tells in the adjoining article of his auticommence. One needs only to look at the happy faces seen howevilt, to know the described automobile is appreciated as a family convenience. And who is serving of the pleasures that an auto-brings than an industrious farmer and his family.



Another Dairy Farmer who drives his own car

This is the way in which Mr. and Mrs. J. F. Keicheson and their son Harry go visiting. Mr. Ketcheson also tells us that the car, as a business convenience, can be made to contribute largely to its upteep. There are several cars owned by dairy farmers in his section of Hastings Co., Ont.

profitable investment from a purely business standpoint. CANADIAN FARMERS ARE GETTING AUTOS

The "auto idea" is beginning to take hold among the farmers of Canada. Here and there in almost every good farming section of Ontario, and frequently also in Western Canada, will be found the farmer who is driving his own automobile. This is particularly true of the dairy and fruit sections. R. A. Pendale of St. Thomas, and J. W. Richardson of Caledonia, prominent competitors in the Prize Farms Competitions conducted by Farm and Dairy, are automobile enthusiasts. T. L. Dunkin & Son of Norwich consider the automobile an O.K. proposition for the business farmer. L H. Lippsitt of Straffordville, informed an editor of Farm and Dairy recently that he has already made his car pay for itself and that after only one year's ownership. Ed. Smith of Wooler in Northumberland Co., Ont., has owned an auto-

The auto idea has taken a strong hold on the dairy farmers of Hastings Co., Ont. One agent for one make of car sold as many as 18 automobiles in the vicinity of the town of Stirling alone. Practically all of these cars are owned by dairy farmers and well satisfied owners they are. Illustrations of a couple of these cars are given herewith. As to what the owners think of their cars;

mobile for some years now to the immense satis-

faction of himself and his family.

Potato Culture As It Was and Is

B. J. Gibson, St. Johns Co., N.B.

WELL remember when as a boy I cherished the keenest sense of resentment because my liberties were curtailed and my attendance at the "swimming hole" seriously interfered with, by arduous and paternally compelled duties in the potato field

The work consisted of drawing earth up around the potato vines with one of the greatest torture making implements ever devised, the hand hoe. It was a caution how long those 100-foot rows used to seem to me. The first few feet would be bad enough, but by the time the 12-year-old boy had reached the other end, it seemed to take a cellar full of earth to bank up one vine properly.

How bitter were my reflections as I followed up and down those rows. How the apparently easy lot of the city boy did appeal to me. I used to see them running around town almost every mar-



Just for Home Use

Mr. W. A. Waller, Ontario Co., Ont., may be here seen planting a small patch of potatoes, "just for home use." The commercial grower has found a cheaper and more expeditions method.

—Photo by an editor of Farm and Dairy.

ket day. Even Daddy came in for much bitter resentment.

THE SHOVEL CULTIVATOR

One night Father announced that our little quarter-acre plot of potatoes was to be increased to two acres. My troubles seemed to be multiplying. It would take a large book to tell about the schemes I hatched to get away from that work. All of them had the city in the background. But along with that increase in acreage came the shovel cultivator and Daddy did the work and I led the horse; that is until the horse got to know its own way around. The cultivating of the whole two acres was much less work than had been the work on the original quarter acre. My attitude towards the world in general and potatoes in particular then became more pleasant; that is until digging time. Daddy and the hired man did the digging and their temper was never any too good as they strained away with their hand diggers. My temper was worse as my back ached with the picking. The fact that the minister's sons were always in evidence kicking a football around the yard of the Manse, a short distance down the road, did not make matters any better either. If it had not been for those potatoes and similar jobs performed in an equally laborious way, I

might still be on the farm. But I left it long ago. Several times during each season in connection

with the business in which I am now engaged, I have found myself in Montreal. Last spring I read a little skit in a Montreal paper about a potato farm not far from the city, on which as much as 90 acres of potatoes were grown each season. This seemed almost incomprehensible to me. Potatoes had always been a profitable crop with us at home even if our methods of cultivating them had been slow and laborious, and I could understand a man wanting to grow a lot of them. Just how a man could get labor enough to cultivate 90 acres was beyond my comprehension. I had lost track of the progress of modern invention in connection with farm work. When I was told that that 90 acres were planted, cultivated and harvested by machinery, I immediately became curious to know something more about it and the result was a trip to that potato farm. The proprietor showed me and told me many interesting things.

It was potato planting time when I arrived on the farm. Instead of the laborious work of dropping seed by hand a man was driving a machine up and down the field. That machine opened the furrow, dropped the seed and covered it again, all at one operation. The proprietor informed me that he was thinking seriously of getting another potato planter that would sow commercial fertilizer along the drills in addition to the operations already performed by the planters he already had.

"I can understand the cultivating," I remarked, "but how about the digging?"

DIGGING BY MACHINERY We were passing the implement shed at the time. The proprietor took me in and showed m a machine that was new to me and told me that



Potato Planting Up-to-Date

that machine had made digging quite as simple as the planter had made the dropping of the seed. He explained that the machine digger is hauled by two horses and digs one row of potatoes at a time. A shovel like arrangement scoops right in under the drill and the vines, tubers and earth pass back onto a wire tread. The earth falls through the tread and the tubers come out behind already for picking.

"And how about the picking?"

"There is a machine that collects the tubers as they are dug and drops them a bushel at a place," answered this most progressive potato grower, but as our land is somewhat stony I do not believe that the picker attachment would be a success with us although it might work perfectly on a soil clear of stones."

If potatoes were profitable under the system that we used to follow when I was a boy, how much more profitable must they be now with such up-to-date machinery available for every stage of the work and potato prices higher than hey were

How We Get Pictures of Live Stock

Suggestions by an Editor of Farm and Dairy

HERE are very few commercial artists who understand the work of getting first class and suitable photographs to show up the points desired in animals of pure breeding. Years ago we always employed or endeavored to employ an expert photographer to get pictures for purposes of illustration in the columns of Farm and Dairy. We used to think that a great big camera worth from \$75 to \$300 and more, and

producing prints that cost us \$1.50 to \$2 each, was necessary for the kind of work we had to do. We found it always difficult to get a man just when we wanted him and an artist who understood live stock. Therefore, we determined that our own editors should become expert at this kind of work and henceforth make us independent of commercial artists and able to get decidedly better photographs than most of them were able to produce. That we have succeeded in training our editors to produce the best in photographs is well known to all of you readers who follow

Farm and Dairy and take note of the wealth of superfine illustrations of the best in live stock. which we are constantly publishing in Farm and

It is all so easy to get good photographs that we marvel now that we did not sooner realize our opportunity and prepare ourselves sooner than we did to take good photographs, especially of live stock. We meet many breeders from time



The Possibilities of the Small Camera are Here Exemplified

This splendid illustration of Auchenbrain Fannie 9th, the great ow owned R. Ness, Howick, Que., is from a photo taken by an editor of Francisch with a camera cooking 315.56. Any breeder, by following carefully have given in the adjoining article, can do equally good work. A camera is a summan of the breeder A photo canclosed in a letter is the best also ment possible. Breeders are catching on to this wrinkle in salesmanship worth a trial.

to time v own stock so we hav fit of the camera te primals. Our edi available !

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June

SMAI trie Ont. been demon hydro-electri and in the owner of thi farmer and nergy develo tric equipme cows, lights the machine creamery, ru emery wheel Mrs. Green's appreciably

devices The install electric plant plified by the had water wo hydro-electric might be his a side line, tl vestment awa do farmers a of little value Green, however a recent visit Dairy found t ness at Unadi men to look a pure bred Jer hydro-electric any farmer wi it for a few hu

Mr. Green h a five H.P. dyr the main pens wheel. It oper ning 800 revol which is a direc ed to the turbi water wheel an by taking off of water. As th practically all hands can tell lights whether speed is needed wheel according

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to time who desire to take photographs of their own stock, yet feel that the work is beyond them, so we have thought it well to give you the benefit of the inside secrets of success in running a camera to produce good pictures, especially of primals

Our editors, in spite of the fact that we have available large-sized and very costly cameras, prefer to use small collapsible cameras taking pictures of post-card size. The special camera preferred in our work is the Premo Fiim Pack in postcard size, made by The Canadian Kodak Co. at Toronto, and obtainable in any city or town and in many villages. The particular machine our editors favor costs only \$12.50 and \$2.25 extra for carrying case.

To get the most perfect pictures of an animal and to be quite sure of success, we find it advisable to always use the camera on top of a tripod. We can then place the animal in position, make sure that all is right with the camera properly focused at the right distance, and, keeping our eye over the full size of the animal, touch the bulb or press the lever at the right moment when all is ready. Without the tripod one must depend upon the very small reflection in the finder on the camera. It is difficult to make certain that the expression is right, that the ears, legs,

FARM AND DAIRY

tail, etc., are in the position desired. Having selected a suitable place to take the picture-the ground being level and clean, the background, if possible, a woods 100 rods or more

in the distance and pleasing open country intervening, (the back of the camera towards the sun because the picture is really the result of reflected light from the sun to the animal and into the camera) we put up the camera on its tripod and have the animal led out in position about 18 feet from the lens on the camera. The distance will depend upon the size of the animal and can be judged from the comparative showing in the finder. It is well to have the animal plenty far enough away so that there will be plenty of ground all around the picture of the animal in the finished photograph; then there is no danger of cutting off legs or ears or horns as is so often done in the average photograph taken by the

(Continued on page 14)

Hydro-Electric Power in Home and Dairy

SMALL private hydro-electric plant at Greenwood. Ont., for several years has been demonstrating the value of hydro-electric power on the farm and in the country home. The owner of this plant is F. L. Green, farmer and miller. With the nergy developed by his hydro-electric equipment Mr. Green milks 40 cows, lights all his buildings, runs the machinery in his model farm creamery, runs a circular saw and emery wheel in his work shop, and Mrs. Green's work in the home is appreciably lightened by electric devices

The installation of Mr. Green's electric plant was considerably simplified by the fact that he already had water wower available. When

we first heard of Mr. Green's very complete hydro-electric equipment we feared that milling might be his principal business, with the farm as a side line, that his plant might represent an investment away beyond the reach of even well-todo farmers and hence his experience would be of little value to Farm and Dairy readers. Mr. Green, however, is more farmer than miller. On a recent visit to his home, an editor of Farm and Dairy found that dairying is the principal business at Unadilla Farm, and that it takes more men to look after Mr. Green's splendid herd of pure bred Jerseys, than to run his mill. His hydro-electric plant is so simple and cheap that any farmer with power available could duplicate it for a few hundred dollars.

Mr. Green has a 10-horse power wheel to drive a five H.P. dynamo. His water wheel is fed from the main penstock which feeds the large mill wheel. It operates under a head of 42 feet, running 800 revolutions a minute. His dynamo, which is a direct current 110-volt machine, is belted to the turbine. He uses no governor on the water wheel and any change of load is regulated

by taking off or putting on more water. As the mill is running practically all the time the mill hands can tell by noticing the lights whether or not a change in speed is needed and regulate the wheel accordingly.

"If the wheel was isolated, as it would be were it on a separate installation used for no other purpose than lighting," remarked Mr. Green, "It would of course be necessary to have a water wheel governor to regulate the speed."

Mr. Green's specialty is fancy creamery butter. His "Unadilla" brand butter is used almost exclus-



This Farm House is Lighted with Home Made Electric Energy

ively by the Ladies' College at Whitby, and the balance is sent to Toronto where it commands best creamery prices. His farm creamery, if on a smaller scale, is as complete as the best cooperative creamery in the country. His electric power is used to operate the pasteurizer, drive the separator and turn the churn. A small boiler provides the necessary steam for heating water, pasteurizing the milk and ripening the cream. Mr. Green also has a small engine installed in connection with the boiler which can be used in case of emergency. Mr. Green regards electric power as the model creamery power in that it is noiseless, odorless and dustless.

One of the greatest burdens of the housewife, the weekly washing, has been greatly simplified for Mrs. Green. A room adjoining the creamery is equipped as a laundry with set tubs and steam pipes extending from the creamery for heating water. Mr. Green is now making arrangements to run the washing machine and wringer by electricity.

Mr. Green's farm workshop is one of the most complete that we have ever seen. He has a full

line of tools and an electrically driven circular saw and emery wheel. "This workshop," he said, "has saved us many a dollar that without it would go to the village repair man. I believe that a wellequipped workshop is something that should be found on every farm."

MILKING BY ELECTRICITY

How to get the cows milked, once a sore problem with Mr. Green, has been solved by the installation of a mechanical milker, and it too is operated by the ever ready hydro-electric power. Most farmers who have had experience with the milking machine can testify to its usefulness only from an experience of a few months. Mr. Green, however, has had his milk-

ing machine for a few years and finds it entirely satisfactory., The vacuum pump is located in the dairy building, which is over 150 feet from the stables. Pipes extend underground to the stable where the machine is used on pure bred registered Jerseys that represent a lot of money, but are not considered by Mr. Green too good to be milked by machinery

The most appreciated feature of this hydro-electric plant, according to the testimony of both Mr. and Mrs. Green, is the electric lighting. The dynamo is used for lighting the mill, office, barns, stables, dairy building and the home. All the buildings are well lighted and the house exceptionally so

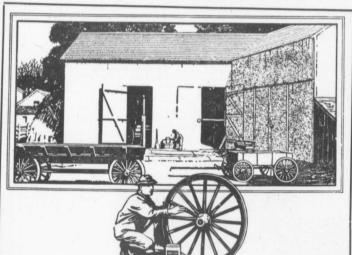
"We have over 40, 16-candle power lights in the house and some 25-candle power Tungstens," said Mr. Green. "We generally have about half of these on and run the dynamo a little fast to give four or five volts above the marked voltage of the lamps so as to get a better and brighter light. From the steady and even speed of the wheel we get a very steady light. I have noticed that dynames when driven by a gasoline engine

sometimes give an unsteady light, which is hard on the eyes and the light goes up and down following the necessary changes of speed in the engine

ADVANTAGES OF ELECTRIC LIGHTING Fancy how nice it is when one goes to the stable on a cold winter morning, just to turn a button and forthwith the whole stable is flooded with light! No lanterns to get out of order or broken; no danger of fire through their careless handling. In the home there are no lamps to clean and fill. The Greens just turn a button and (Continued on page 17)



A Model Farm Creamery and Laundry run by Hydro-Electric Power -Photo by an editor of Farm and Dairy.



Keep your farm implements, wagons, and machinery well painted. Paint protects wooden and metal surfaces from the destruction of the sun, rain and storm, One dollar's worth of good paint now, will save twenty dollars worth of expense and repairs later on. Besides that, it will give your property a prosperous and well and repairs later on. Besides that, it will give your property a property and managed appearance. When you buy paint, it is economy to buy the best; buy the paint that will give the longest service. No matter what you want to paint, there is a Sherwin-Williams product that will give you lasting satisfaction at small outlay. Ask the Sherwin-Williams Agent in your town for color folders,

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A Silo Filling Convenience

G. W., Elgin Co., Ont.

Any one who has ever proceed inside of a silo at filling time will know something of the discomforts that are

of the discomforts that are attendant on that jub. When I get in a silo I like to have a good broad hat on, to keep the corn from pelting down on my shealpelting down on my shoul-ders, getting inside of my shirt, and also to preserve my eyesight. It was not so bad when we had the old tread filler, but now that the corn, in this county at least, is blown county at least, is blown into the silo, the discom-forts of filling have in-creased 100 per cent. Invention, however, has now come to our aid. A

device manufactured in meeting with favor wherin the illustration here-with. It is composed of several sections of about the same diameter as the blower of a cuttter box These sections hang inside comes down through them comes down through them right to the surface. The man in the silo, through these tubes, can direct the corn just wherever it is needed and it is claimed that the corn comes down that the corn comes down with sufficient force as to make tramping almost un-necessary. As the silo is filled the sections are de-tached, thus making the device adaptable to a silo any depth.

of any depth.

The company whose device I am acquainted with is the Silver Manufacturing Co. of Plem, Ohio.

ing Co. of Selem, Ohio.
In a statement made by
them recently they say, "This device
has become extremely popular with
the last year or two, and this year
will probably form a part of perhaps
75 per cent of the equipment ordered."

I pass this suggestion on for the benefit of others who, like myself, ap-preciate the discomforts of silo filling when without some such device as

Farmers Who Drive Their Own Automobiles

(Continued from page 5) gards it as a straight financial investgards it as a straight financial invest-ment. Notice the uses that he makes of his auto. "My auto saves me much valuable time," he writes. "If I am in hurry I can be on the road with my car before I could hitch a horse to a buggy. I run all kinds of er-rands, go to market with produce of all kinds and in the case of butter can deliver it on the market on she rands, go to market with produce of all kinds and in the case of butter can deliver it on the market on a het summer's day before it has a chance to get soft. I can take 10 bags of potatoes in an ordinary five-passenger car, go 12 miles to market, sell and deliver wy load and get back to the farm on one gallon of gasoline; the price of my dinner which is sared. I do not have to tie up my horse or anywhere, nor do I have to say 3' center that it costs to put a horse in the stable. And then the horse that was left at home is fresh and ready for work in the afternore.

"Pay the mortgage first," is probably good advice when one is thinking of buying a car. After one hat the car paid for and is confertably fixed there are many dairy farmers who will tell you, as have the one whose testimony has already best given, that the best way to get the greatest pleasure out of life for everyone in the family is in the running diven.

one in the family is in the running of an automobile.-F. E. E.

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We got our ject of potato took to the N College Farm

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HOW WE SAFEGUARD OUR POTATO CROP

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Equipment Such as This Makes the Bug and Blight Fight Easy

Equipment often he fairs baskes the ong and chight right Lazy
light causes more loss to potate growers than all other causes combined. It is
shift that makes potatoes rot. Potato bugs also do their causes combined to
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as suitable — Out courtesy the Councies Potato Machinery Company.

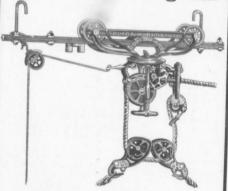
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of water used in dissolving it we know up-to-date spraying outfite.

Put the rest in the bank. You'll find yourself in the best of company-your troubles lighteryour purse heavier-if you buy a Ford-and join the happy throng of those who know car comfort plus service satisfaction.

More than 275,000 Fords now in service -convincing evidence of their wonderful merit. Runabout, \$675; Touring Car, \$750; Town Car, \$1,000—f.o.b. Walker-5750; Iowi Car, \$1,000—1.0.B. Walker-ville with all equipment. Get interesting "Ford Times"—from Dept. G., Walker-ville factory. Ford Motor Company of Canada, Limited.

The Tolton Sling Car



With the Tolton Car it is only necessary to raise the bundle up to the level of the mow, or high enough to clear the beams. Then, by means of a special trip you release the car from the stop block when the bundle is at any clevation. The special trip operates a rope grip which holds the load securely after the car leaves the stop block.

In this way the Tolton Car saves all the time and work required to raise the load away up to the car.

Works Easily

The Draft Wheel on this car is twice the diameter of anyother. For this reason the Tolton Car will lift as big loads with Double power as other cars will lift with triple power. There are no springs in this car.

Built To Last

The Tolton Car has a one-piece malleable truck frame, and heaviest working parts throughout. Frame is strongly ribbed to prevent spreading on the track with heavy loads. The car weights 38 lbs. and will carry a ton load-

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Money invested in tile drainage is well spent. Tile Drainage is more important than fertilizer or rotation of crops. By tiling your land you not only increase its productiveness, but it enhances the value of your farm

Ditching done by hand is a thing of the past. Hand ditching is not only unreliable, but it is slow work. Farmers in every locality realize this and are looking for machinery to cut their ditches uniform in size and depth, with the sides straight and smooth and to exactly the correct grade. In fact they are looking for

THE BUCKEYE TRACTION DITCHED

With this machine you can dig anywhere from 100 to 150 rods per day, depending on the soil. It is a machine that is easy to operate and economical to maintain. There are over One Thousand "Buckeyes" in operation throughout the United States and Canada. We would be glad to give you the name and address of the Farmer nearest to you owning and operating one of our machines.

Farm Drainage Machinery is now on the Free List up to \$3,000, which will mean a saving of from \$500 to \$700 on a machine. Why not take advantage of this, purchase a Buckeye Traction Ditcher and drain your farm?

Our Illustrated Catalogue B contains all the information you will need. Write for it to-day. It's free.

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HORTICUI TURF

Ownership of Power Sprayers

John Beemer, Brant Co., Ont.
There are only four days in which it is possible to spray for blister mite. The eggs are laid in the fall and hatched out about the time the leaf bads are bursting. If spraying is not done at this time it is inefectual. It done at this time it is infected to the state of the John Beemer, Brant Co., Ont.

The pear growing sections of The pear growing sections of On-tario and British Columbia report tario and British Columbia report the condition very favorable as indi-cated by the bloom. The trees are particularly healthy, and mo winter killing is reported. About the only killing is reported. About the only pear grown in a commercial way in District 4 is the Flemish Beauty, which has come through the winter in fine condition, and promises a large yield. In the Maritime Provinces only a medium crop of pears is expected. The Kootenay District anticipates a heavy crop.

PLITMS

Plums have undoubtedly suffered much injury from the late spring frosts. The plum, however, is very prolific in bloom and it is not at all improbable that a sufficient number of buds will be left to make a mediant if not a large crop in the plum districts of Ontario. In British Col.



Modern Warfare as seen in a Nova Scotia Orchard

The secret of success in fighting insects is to get the gyray on just at the right time. To cover a large orehard in the limited time available requires the very best of spraying machinery. The up-to-date method of conducting war on insect as practiced by Mr. Manning Ells, King's Co., NS., may be here seen.

there is more time and the same machine could be used on more orchards.

Different varieties also should be sprayed at different times. Pears and sprayed at different times.

Different varieties also should be sprayed at different time. Pears and peaches require to be sprayed at different time than apples. If five or six are claiming the sprayer there will be astisfaction for none of us. Another practice that I do not be not practicable is unit grower to own a power attempt to spray the ore had attempt to spray the ore and I know that some of the first and last orehards apprayed will not show satisfactory results. When I was away from home spraying the work on the farm was neglected and the loss that I will sustain in a reduced crop through not having time to get the cover crop plowed down will be more than the angular to the property of the cover crop plowed down will be more than the angular to the property of the form of the property of the spray of the spra plan to have our own machine for our

Fruit Crop Prospects

The prospects for the 1913 fruit crop in Canada are summed up by

reports of correspondents upon the apple crop are most optimistic. In British Columbia and Ontario the bloom is sufficiently advanced to show that it is especially heavy this year. Quebec and Maritime Provinces report that there is an excellent showing for bloom, and

In Southern Ontario it looks as if the peach crop would be the larges on record. The recent frosts appear not to have done any serious injury, and fall and winter condition cert particularly good. In British Colum-hic some alight dames pia some slight damage to the early bla some sight damage to the early blooming peaches is reported, but in all probability sufficent bloom has been left to make a full crop. Cherries share in the good cond-

tions of the other tree fruits.
Grapes have come through through winter in excellent condition and in all probability will give a large crop, but the danger of frost is not yet

SMALL FRUITS

The stand for 1912 was excellent and though the acreage has not increased much the good stand wedd in itself indicate a larger crop that last year. The winter conditions were very favorable. No correspondent has reported any serious less, even in raspiberries. Blackberies dent has reported any serious less even in raspherries. Bickberries are looking well. Gooseherries are tooking well. Gooseherries are tooking well. Gooseherries are tooking well. Gooseherries are been inguned by the forest of the last few days and consequently the first place of the last few days and consequently the first place with the first will in any way materials reduce the quantity of the crop should excluditions otherwise remain fastications.

June 5

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You can't beat this Combination



JUNIOR CARRIER DOUBLE HARPOON FORK

Because the CARRIER

Because the GARKIER
—has proven itself by many years of testing and by thousands of farmers to be the
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and the FORK

—when used with this carrier cuts down time and labour in handling hay. You can't beat this Louden Harpoon Fork. Material and constriction insure strength as void as same of operation. It locks both open and blue. Has conseque points and is designed to make the construction of the construction of the third that well worth when it a condition to outful that it well worth when it at the Louden dealer in your town to show you. when used with this carrier cuts do

Send for our New Catalogue If you are building a new barn get five barn plans from our Expert Barn Architect. Write The LOUDEN MACHINERY CO. Dept. 82 - GUELPH, Ont.

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MACDONELL, rector of Colonisation, Parliament Buildings, Toronto, Ontario

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Comes pack-ed ready for use—clipping plates and shaft book fer holding clipp-ing head sup-plied. Ask your nearest dealer or writedirect.

B. & S. H. THOMPSON & CO. Limited Montreal

Reseaseseseseseses POLILTRY YARD

A Cause of Bad Eggs

"Did you ever see the children scurry away into the hay mows, under that hens could go just as soon as the egg dealer is seen down the road?" asked Prof. F. C. Elford asked Prof. F. C. Elford and Eastern Ontario audience.

ern Ontario audience.

From the subdued expressions heard
in the audience it was evident that
such a scene was not uncommon in
that district. Those eggs, good, bad



In a Hellow Tree

and indifferent, collected from nests containing from one to a dozen are containing from one to a dozen are cold at a flat rate to egg dealers and then shipped to central egg warehouses, where they are candled and the bad ones discarded. These eggs in some cases are not only stale, but are partially incubated, and for a canomer to break a single one of a commer to break a single one of the next the table is enough to spoil his a policy of the next couple of the containing the complete of the containing the containing the containing to pay a high right propel are not willing to pay a high granteed. The illustrations given on the page give a fair cides of some of the anges of bad eggs on the market. and indifferent, collected from nests

on the market.

How can the hens be prevented from stealing away their nests? We have moted in our experience that hens are not so apt to sheal away their nests where clean darkened nests are provided in the hen house. Likewise,



A Typical Weed Nest

A Typical Weed Nest
hens that are fed regularly in the
house are more apt to lay there. Anyway, farmers who are good poultry
way, farmers who are good poultry
way, farmers who are good poultry
way for the tellow there hens
to run all over the form and lay
wherever they like.

The action of the egg dealers of
Montreal and Toronto in deciding to
pay for eggs according to their quality
hapuld do much to make it worth the
farmer's while to take the proper care
of his eggs. Even with conditions as
they are, producers cannot afford to
market eggs that have been secured
from stolen nests. It reduces both
consumption and price.

I received in good condition the pair of pure-bred White Wyandotte fowl for securing five new yearly subscriptions for Farm and Dairy. They are certainly a fine pair of fowl, and I feel that I am more than repaid for the time which it took me to secure the subscriptions.—Lloyd M. Beckstead, Dundas Co., Ont.

CENTS

LIVE HENS

We shall pay this price per pound for good live hens delivered in Montreal. We handle dressed calves on commission. Try a shipment.

Harris Abattoir Co., Limited, Montreal

Lice Murder Chicks check laying, stunt growth, ruin the plumage, torture the hens PRATTS LICE KILLER (Powdered) murders lice and so (Powdered) murders insures greater profits. THE PRATT FOOD CO., OF CANADA, LTD. TORONTO, ONT. 160-Page Poultry Book, 10c.

FOR SALE AND WANT ADVERTISING S.C.R.I. RED EGGS, from good laying strain, \$1.00 per 15. Shipment toed.—Jas. C. Barrons, Indian River, Ont.

FOR SALE—Iron Pipe, Pulleys, Belting, Rails, Ohain, Wire Fencing, Iron Poets, etc., all sizes, very cheap. Send for let, stating what you want. — The Imperial Waste and Metal Co. Dept. F. D., Queen Street, Montreal

Baby Chicks

Order your baby chicks now from our splendid laying strain of SINGLE COMB WHITE LEG-HORNS

Utility Poultry Farm T. G. DeLAMERE, Prop.

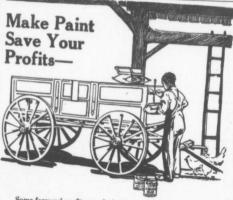
STRATFORD .

EGGS. BUTTER and POULTRY

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

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Some farmers' profits are drained away year after year in the purchase of new waggons, implements and equipment. Save this expense by taking care of your present equipment. Make paint save your profits by protecting your property against decay and the need for replacement.



are what you should use on waggons, implements and everything else around the farm that weather can rust or rot. With its sturdy protec-tion your equipment will last three times as long as it will if unpainted.

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Vernicol—for the inside of your house—to brighten things up.

Carriage Gloss Paint—which will No varnish needed with this. Lowe Brothers High Standard Liquid Paints—for the outside of your house—the best paint in Canada by every test.

Lowe Brothers Limited 269 Sorauren Ave., Toronto Dayton New York Boston Chicago Kansas City

684



A "Snap" Showing the Haley Bros., at M. H. Haley's Farm

PRACTICAL FARMERS WHO HAVE MADE FAME AND MONEY WITH HOLSTFINS

By Chas. C. Nixon, B.S.A.

The Haley Bros. of Springford, Ont., who in a few Short Years Have Bred and Developed two noted Herds of Holsteins-Noted for Show-Yard Winnings at Toronto.



Ottawa and London, and still greater in Practical Production Work at Official Record Making and in the Great Dairy Test of the Guelph Winter Fair-High Testing Holsteins Predominating-Photos and Information Secured by an Editor of Farm and Dairy two weeks ago While on a Special Visit to Haley Bros.' Farms



DROBABLY nine to 16 calves they got were bulls. Once they had all but decided to give up the business. But these brothers ROBABLY you have met the Haley Bros. You have found than, as we have always known them, to be two modest, practical, progressive farmers who breed the had grit and perseverance, and they had a more or less clear vision of the possibilities of their favorite cattle, kind of Holsteins that are invariably on top or near the top in the show possibilities of their favorite cattle, the Holsteins, and in spite of circum-stances and considerable odds they continued on in the course they had chosen, and to-day, only nine years after their first start with Holsteins, ring at the largest fairs, and also make good in dairy test work. You have also found them, even as we have always found them to be, very reasonable (in fact, often too reasonstock) in the price for which they sell it. Having these things in mind we have felt for some time that 'Our Papple' who read Farm and Price. People," who read Farm and Dairy, would like to know more about the Haley boys and their noted Holstein ; therefore we arranged a trip recently to Springford, Ont., in Oxford county, where these breeders both live on their respective farms, and we give our readers the benefit of it in

this article. If you have ever had that note-worthy experience of starting in with pure-bred cattle, representing the best available, you know much about just how the neighbors laughed at the Haley Bros. when they decided to go in for better stock and put their good money into a few choice Holsteins. You can imagine also how the laugh came down even more greatly on the Haley boys when some of their earlier purchases died on them! The first

they have achieved great success and note for their Holsteins as high testers in butter fat, as heavy producers, and as the correct type, which is sure to be at or near the top in the strongest be at or near the top in the atrongest of showyard company.

For several years, these breeders did not realise just how excellent was their foundation stock. Some of their neighbors, who were experienced in showyard work, however, appreciated the auperior excellence of the Holesteins, which the Haley boys experienced in the precing, and on different occasions they bought and borrowed stock from they bought and borrowed stock from these brothers to take to the larger shows. As these cattle invariably did well and frequently came off with the champion honors, the Haley Bros. came to the conclusion that they had better show their own stock. Acting on this conviction they fitted up their herd and two wers greated, their

herd, and two years ago made their first appearance at Toronto in the show-ring of the Canadian National

Exhibition.

The result of this forward step was a great surprise to the Haley Bros. themselves and to the publie in general. Inexperienced as they were they had not exthey pected to do so well, although they felt their stock was about as good as it is possible to breed it. Farm and Dairy readers will and Dairy readers will remember that at that first showing in Toronto the Haley boys were awarded first and second prizes on junior bull calves and champion young herd of one bull and



"What Do You Think of Me for Type?" "I'm a Half-Sister, a Grace Fayne Too"

four females also, these calves being the oldest get of the great "Grace Fayne" bull, an illustration of which appears in connection with this article. Then they secured also first, second, third and fourth on male calves of the Butter Baron stock. male caives of the Butter Baron sect.
They got also first on yearling bull,
which was also junior champion male;
also first and third on milch cows and the senior champion female and grand champion, besides the first prize and junior champion female; third on



first and second on junior sult calves. In females they had sold practically all the older stock before stock of showing, and were therefore without showing, and were therefore without them to exhibit. Two of them won second prizes under other ownership. The Brothers retained, however, the great heifer, Grace Fayne Abbekerk, which wan first prize in her class and The Brothers retained, however, the great heifer, Grace Fayne Abbekerk, which won first prize in her class and afterwards became grand female champion of the show (1912). (Her picture as we took it the other day is reproduced with this article). Then there was first, second and third for them on Holstein heifers, one year old; first junior champion remaie; third on duces with this article). Lieu theory dry cow; second on a three-year-old, was first, second and third for them first and second on heifers, one year on Holstein heifers, one year old; first and second on heifer calves on senior heifer call; first and second under one year and first and second on yearling heifer calves; first and cunder one year and first and second on yearling heifer calves; first and



The New Canadian Champion Holstein Cow in Aged Class

Ine rew canadian Champion Floatein Cow in Aged Class

Queen Butter Barones, here shown, recently made in 7 days an official record
of 33.77 lbs. butter, 503 lbs. milk teating 43% in butter fat. For the 36 days her
milk averaged 43%, butter fat; she made in the 30 days 2,938 lbs. milk, equivalent
milk averaged 43%, butter fat; she made in the 30 days 2,938 lbs. milk, equivalent
work at the Gueen This cow has a remarkably good record in public dairy test
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work at the Gueen This cow has a remarkably good record in the 30 days of the second to the second the seco

is unnecessary to say much of them of the er than to record their performances!

Their second year at Toronto, which was last year, brought them which was last year, brought them first prise on two-year-old bull (Prince Malta De Kol, afterwards purchased by Mr. Gordon S. Gooderham, of the Manor Farm), this bull having been first at Toronto the year before; first on senior bull calf; first on junior bull calf; junior champion (silver medal) on senior bull calf; second on reactions bull; fourth on open bull; fourth on open bull; searling bull; fourth on aged bull;



Hemewood Aggier Mercens, Son of "Lady Aggie" bull was raised by the Haley Bros sold and lately bought back to breed in their "Grace Fayne" heifers.

on heifer calves and first and second second on four animals progeny of one on four animals the progeny of one bull. Thus you see cattle bred by the by exhibitor; farst on young Holaten Haley Bros. do their own bragging! It berd; second on cow and two of her is unnecessary to say much of them other progeny; second on Holatein herd; or than to record their performances! second on dry cow, four years old,

etc., etc.
It is with regret that we announce It is with regret that we announce that the Haley Bros. will not exhibit this coming fall on account of the poor health suffered for some time of late by Mr. M. H. Haley, he being afflicted with rheumatism. They would be in excellent shape so far as stock is concerned to keep right up to the big re-cord and high standard, which they have set for themselves in the show-ring during the past two years. In this connection we ask Farm and



One of the Greatest of World Beaters Colantha 4th's Johanna is the dam of sire of Haley Bros.' great "Grace Fay bull: 35.22 lbs. butter.



June 5, 19

Another of 3

Dairy readers t individual which we took These a males now is "Grace I Our readers ow that before n for pure breds The dsteins. Holsteins up to duction. They s een reared on a number of yea ave really done tarted into the Dairy Test six ye one individual, a she capturing fir ix or eight poin



A Great his bull as shown is rids of three other rd, Ont. The bloom of quantities of yown opposite being her milk 4,93%. Ye advantage wer

The next year the hat has since dev mous Lady Aaggi g everything befo ing first prize ey also took along other pure-bred, ironess, the cow w up the great offici sting 4.93 per ce w Canadian champ



A Show Bull Offered

A Noted Guelph Winter Fair Dairy Test Winner This is the great cow Lady Aaggie De Kol, twice Grand Champion at Guelph and always a high tester. Much stock of her blood is in the Haley Bros. herd.

913.

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calves. ctically day of vithout

m won ership. er, the bekerk,

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Another of 38 "Grace Fayne's"

Another of 38 "Grace Fayne's"

Dairy readers to note especially the shree individual heifers, pictures of which we took and reproduce herewith. These are but a sample of 38 females now in the Haley Bros.' berds, these 38 all being from the great "Grace Fayne" bull.

Our readers will be interceted to know that before the Haley Bros. went in for pure breds they had kept grade Holsteins. They had graded their Holstein up to a high state of production. They always had used pure hed area. Their success has thus been reared on solid foundation. It the Guelph Winter Fair, now for at the Guelph Winter Fair, now for the Grade of the Grade of the State of the Grade of the State of t

Dairy Test six years ago, showing but ne individual, a two-year-old heifer, he capturing first in her class with or eight points to the good.



"Me Too" Grand Cham., Toronto, 1912

"Me Toe" Crand Cham., Toronto, 1912

The year following (1909) they again went to Guelph, taking Lady Anggie De Kol and Ianthe Jewel Mechthilds 3rd, Lady Anggie again being the champion and the other cow getting second place. Queen Butter Baroness (heifer under 36 months) was also along and proved then her promise of what she has since accomplished. She was first in her class. In the three days she gave 190,000 hills testing 4.3 per cent in butter fat, gaining a total of 217.76 points, this being 36 points ahead of the cow next to her.

Encouraged by this great record of

Encouraged by this great record of Encouraged by this great record of success at actual production the Haley Bros. went to Guelph again the following year stronger than ever, taking eight head along. One of these was the sensational Calamity Starlight Butter Girl, the three-year-old that tested 5.5 per cent in butter



Silo and Partial View of Barns at M. L. Haley's Farm

And so these records have been piled surely with a string of ancestor— then another. There never were before exhibitors that had so little experience as had the Haley Bros. that had so little experience as had the Haley Bros. that have no so much. They were fortunate in laying their foundations of these two principles and the production of the strong that had corner afterwards building on good cattle from this bull that won the grand that were good testers. Herein is a championship at Toronto the last two blickewise.

It is most interesting and encourag-ing to talk with the Haley Bros. and hear them tell about some of their earlier experiences. While each of

ing to talk with the Haley Bross and hear them tell about some of their earlier experiences. While each of them has his own individual herd and keeps his own females they have gone in together in buying and have used the same bulls. When they got the great. 'Grace Fayne' bull they felt that they really could not afford him. He has, however, paid them well. They have always acted on the principle of getting the best females they could afford; then buying the very best of males 'regardless.''

Of late since developing and proring ach remarkably good stock in large and the same developing and proring such remarkably good stock in large such remarkably good stock in him to the same developing and proring ach remarkably good stock in him has a such as the same developing and proring as the same developing and proring as the same such they have raised and sold. The head of these is Butter and the same developing and provided and sold. The same developing and provided and sold. The same developing and provided and sold. The same developing and the same developing and provided and sold. The same developing and the same developing and provided and sold Bros. ciaim that this oull is the only one in Canada that averages over 30 lbs. butter for dam and sire's dam— both Canadian-bred — both rais-ed and developed by owners! Another bull which they have bought back is both Canadian-bred — both raise and developed by owners! Another to the stand developed by owners! As you may see from the picture of the stand of the stand the stand that will be the stand the stand that be stand that will be the show ring. On the stand the stand that will be the show ring. The stand the stand that will be stand to stand the stand that we could not do much beta the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we could not do much beta stand the stand that we ter than buy our own stuff back again, at least in these two particular cases We know what

cases We know what they are and what their stock has done, and our action in getting them back seemed wiser to us than to go over to the other side and pay big monside and pay big money for something we might not know anything about." This latter bull is out of the great Lady Aaggie De Kol. and is sired by Prince Abbekerk Mercena. With a string of dams and great dams on both sides of their breeding, knowing them to have good udders and knowing

years and at Uttawa last year as well as at some important fairs out in British Columbia. This bull, as you will see from his photograph, is of great sub-stance, long, open and deep. All of his heifers carry his great character-istics of depth and low-setness. In his pedigree way will be proposed to the property of the prohis helicus carry his great characteristics of depth and low-setness. In
his pedigree you will find individuals
place deepest purple in the Holstein
his pedigree you will find individuals
place deepest purple in the Holstein
his article) is his grand-dam on
his article) is his grand-dam
his grand-dam on
his article) is his grand-dam
his site to him! His dam. Grace Fayne
2nd, cut of which you see below, made
26.3 lbs. butter in 7 days and 107 32
hbs. butter in 30 days.
2nd Homestead, 35.55 lbs. in 7 days.
2nd Homestead, 35.55 lbs. in 7 days.
2nd Grace Fayne 2nd Girl. 30.25 lbs.
in 7 days. She has over 32 A. R. O.
in 7 days. She has over 32 A. R. O.
isters. The sire of this great "Grace
Fayne" bull is Colantha Johanna
Lad, whose sire's dam is the famous
Colantha 4th's Johanna,—35.22 lbs.
butter in 7 days, 138.54 lbs. butter in one
year; milk in one year, 27,432.50 lbs.
Several of the sisters of this greatest
bull in the Haley Bros.' herd have
made world records as two and threeyear-olds in yearly work.
You may see from the picture of
You may see from the picture of

(Continued on page 30)



A Great Canadian-Bred Holstein from High Testing Stock A Great Canadian-Bred Holstein From High Testing Stock
his bill as shown in the picture is not in show condition, he having been in the
breds of three other breeders and recently source condition, the having been in the
breds of three other breeders and recently source condition, and the stock of the st

The next year they took to Guelph, fat and captured the championship that has since developed to be the area of the state of the state



A Show Bull Offered New For Sale



Dam of the Great "Grace Fayne" drop Johanna Lad, here shown, is not Grace Fayne 2nd, mother of great stock uited by the Haley Bros. this year be-not showing. He's your opportunity! Read adjoining article for particulars.



A Preven Sire of Most Valuable Holstein Stock This is the great bull Grace Payne Rad Sir Colantha (Imp.).

His stock has repeatedly won championships at Toronto.

Moreover his 6,000 is great on production.

This is The Machine



Used by Prof. J. H. Grisdale at C. E. F.

This Cutaway Double-action Disc Harrow is used and endorsed by Prof. J. H. Grisdale, at the Central Experimental Farm, Ottawa

Because it enables him to prepare his land for crops at a cost of 45c per acre, whereas with the ordinary old-style two-horse "Jumper" disc it costs him 90c an acre!

Progressive American farmers have this harrow in use on their farms Every Ontario and Eastern Canada farmer can use it with great profit. It'll pay you to be the first farmer in your district to own one of these Glark's Double Action Cutaways. We have a special proposition to make to the first farmer in any district who wants to use this moneymaking, time-saving, implement.

Send for our special introductory terms, also our free book "The Soil and Intensive Tillage," which fully describes this wonderful tool. You can use this implement to great advantage on your summer fallow and later on for after harvest cultivation and in preparing for Fall Wheat.

THE CUTAWAY HARROW COMPANY

HIGGANUM, CONN, U.S.A.

Brantford Gasoline Engines AND WINDMILLS

ARE THE ADMITTED LEADERS



1+ to 50 H. P unted and traction Made like a machine not an implement

Our Double Geared Pumper has double strength.

Our Towers are girted every five feet and double braced (not every ten feet and single braced). Galvanized after made.





Goold, Shapley & Muir Co., Ltd.

WINNIPEG

HOW WE GET PICTURES OF LIVE STOCK

(Continued from page 7) (Continued from page 7)
amateur. For purposes of reproduction in the columns of a
paper like Farm and Dairy, it is
not so very important what size the
photograph is so long as it is clear,
sharp, and the subject in proper contrast with its surroundings. The small
photo can very readily be enlarged, or graver who makes the cuts (copper plates mounted on wood) from which the photo is reproduced in the publication.

PYPOSTIPE TO CIVE

When the sun is shining with almost when the sun is sinning with almost large. U. V. N. any small camera a perfect picture will be secured for time and light when the One Farmer's Milking Problem Sultrer is working on '19' (instantaneous) the stop being at '8," or wide open. Should the day be cloudy, or (Continued from page 4) it be late in the evening, or very early in the morning, one can figure from this approximately how much time and

instantaneous on the camera really means about one-twenty-fifth of a sec-Knowing this any practical person of ordinary intelligence can readily ar-rive at about how much light to give. The darker animal will require a little more light; less light required white animals and in any case where snow is on the ground or there is a very light foreground.

little experience will soon teach anyone on this point and it is by your mistakes that you can learn most rapid-\$.......\$

istakes that you can learn most rapid-how to get perfect photographs. For dairy animals where it is desired show the wedge-shape of the body, to show the wedge-shape of the body, heavier behind and lighter in front, it is well to place the animal closer to the camera with its hind quarters. This will make the hind quarters show rger than the forequarters. Having this idea of perspective in mind it is possible for you to so place an animal as to make an unbalanced one look fairly evenly balanced; you can also ever up to some extent defects and bring out strong points as desired. By the proper placing of the legs you can show the udder of a cow as you want it; an uneven udder, say one slack in the forequarter, can be improved in appearance in the photograph by hav-ing the leg next the camera placed so as to cut off the view from the hind-quarters. A study of photograph you see reproduced in Farm and Dairy will soon place you right on miner notice. soon place you right on minor points in which you may err in your own photographing.

HAVE BACKGROUND ATTRACTIVE HAVE BACKGROUND ATTRAUTIVE It is always desirable to keep away from having a barn, a manure heap, or an unattractive rail fence, etc., for hackgrounds. Get nice open views backgrounds. Get nice open views with a wood in the distance for a background and you will get an effect in the finished photo that approaches the three-way dimensions given in a stereopticon. Make sure that you have plenty of space around your subject so that it will all be there and missing no ears, horns or legs in the finished photo; make certain that the back of our camera is towards the sun, or at your camera is towards the sun, or at as big an angle as possible towards the sun; keep in mind that with your camera at stop '8" and running at one-twenty-fifth, or instantaneous ('1"), you will have about the right light providing the sun is shining brightly—figure to this should the sun not be shifting, or if it is at a season of the year when the sun is not very strong, and you should get pictures that will delight you. When you consider the great advan-tage that real photographs will be to tage that real photographs will be to you in helping you to make sales of your pure bred stock, you will want to have a camera and take pictures. You will use these to send out with You will use these to send out with your letters to prospective purchasers. You will also want to have the best of them reproduced in Farm and Dniry, going out to nearly 17,000 possible buyers of the stock your rise. Any questions you may have to ask about how to get good photos of your live stock will cheerfully be answered for you through the columns of Farm and Dairy.—C. C. N.

over a month. The nipples and tubes had been lying in lime water all that time and no odor whatever could be the opening to give for the amount of detected even with the nose close to the light available. The



"The Cows Don't Object at All"

end of one. "The important point," explained Mr. Lippsitt, "is to keep the lime water fresh and clean. We change the lime water every two days.

"How many cows will you be milk-ing before you consider it worth using the machine?" was our next question.

would use it with ten cows milking our machine will be running and it will be worth while too. It would fairly give me cold shivers to look forward to this season's work on the farm with the old process of pulling teats at the commencement and end of each day's work ahpad of me. As it is, we will get decided satisfaction in standing back and watching the machine do the work for us."

Although not using this machine reg. WOULD USE IT WITH TEN COWS

Although not using his machine reg-ularly, Mr. Lippsitt was so proud of the efficiency of his Sharpless milker, that he insisted on attaching it and milking a cow before our eyes just to show how easy it was done. The work was so easy and the time required so little that Mr. Lippsitt did not mind—and the cow didn't either. She stool —and the cow didn't either. She stood as quietly as any cow ever stood when being milked by hand. And every cow in the stable stands the same way, se Mr. Lippsitt informed us. In fact, heifers take to machine milking much more readily than they do to hand

WILL MILKER BUIN GOOD COWS Just then it occurred to us that we heard breeders of pure bred dairy cat-tle object to the milking machine say-ing that it might be alright for a cheap herd of grade cows, but it would never do to risk ruining pure bred an-

never do to risk ruining pure bred almasls by machine milking, so washed Mr. Lippsitt if he actually attached that machine to the most valuable of his pure bred Holsteins for which be had paid long prices.

"I may have a cow some day that I will consider too valuable to milk by machinery, but I have not got her yet," was the prompt response. And if Mr. Lippsitt isn't worrying about ruining valuable cows the rest of was needn't. How to get the cows milked, is a solved problem so far as Mr. Lipatit is concerned. sitt is concerned.

f In the and Dai of questi Farm and of the firm and faster. Farm and D

We do not say that a fer to forego the big Dairy advertisements 8 years has been the g

Business "Farm and Dairy" Turns Away

In the face of considerable immediate curtailment of our revenue we bar from the columns of Farm and Dairy: Patent Medicine, Electric Belt, "Something-for-Nothing," Liquor, Tobacco, and all forms of questionable advertising. Thus we protect "Our People"—Thus we are able to absolutely guarantee all of questionable advertising. I finds we protect 'Our People'—I has we are able to absolutely guarantee and Farm and Dairy advertisers to our readers. I We make "no bones" about turning away this business. We are of the firm conviction that ultimately the right must triumph. Our gain must ultimately come. Indeed it is even now and has been coming faster. It is enough now for us to know that "Our People" appreciate the stand we have taken to keep all the fake and objectionable out of and laster. It is enough now for us to know that "Our People" appreciate the stand we have taken to a Farm and Dairy, and this your favorite farm paper is absolutely clean and a warm friend in your home.



We know that you would rather not have ads. like these in Farm and Dairy, which is Always Absolutely Safe for your Daughters, your Boys and for Mother to Read

We do not say that all or any of these advertisements are frauds, or quacks. In appearance, however, they border on that line of the "unsafe" and unwholesome. Thus we prefer to foreço the big revenue that is available from them and thus keep Farm and Dairy columns above even the shadow of suspicion. You can rely absolutely on all Farm and
Dairy advertisements. We guarantee them absolutely. Read again our guarantee (first column editorial per, now superseding our older "Protective Policy," which for over
8 years have been the guaranty to "Our People" that advertisers in Farm and Dairy are reliable. You can depend absolutely on the advertisers admitted into Farm and Dairy columns

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your live Farm and Problem

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Are You Farming Half Blind? A HOG STORY

This is a serious question. No offence Hundreds of farmers are going along to-day half blind to the possibilities of making more money off their farms. They do pretty much the same things they did 10 years ago in pretty much the same way, and are losing 25 per cent. of their profits, but they can't see it.

Take the case of the Ontario farmer the other day. He sold a load of finished market hogs to a buyer who "happened" along at the right time. This farmer had been selling his hogs to this same buyer every year at bulk price-so much a head as they stood. The farmer was perfectly satisfied. So was the buyer. The farmer got \$150.00 cash the buyer. money for 12 hogs, \$12.50 a head.

This buyer drove the hogs in town a matter of three miles and shipped 'em off to the packing house but first he was careful to weigh each hog separately. He bought by the "head" but he sold by the pound, and the 12 hogs netted him \$193.00. The farmer lost \$43.50 by not seeing the value of selling his hogs by weight instead of by guess. If he had a Renfrew Handy Two Wheel Truck Scale on his farm he would have put his hogs on one at a time and got what they were worth or nearly so.

The Renfrew Handy Scale isn't an expense. It's an economy-a money maker. It will increase your revenue and your profits. It will pay for itself in short order if you use it every time you should. This means every time you sell or buy anything that should be sold or bought by weight instead of by guess.

Every "Renfrew" Handy is guaranteed by the Canadian Government to be absolutely accurate.

WRITE FOR INFORMATION

The Renfrew Scale Company RENFREW, ONT.

Better Than a Hired Man Geo. French, Oxford Co., Ont. One of the most valuable im

One of the most valuable impre-ments around my farm is a four horse-ments around my farm is a four horsepower gasoline engine. The numer-ous uses to which I put this engine

onus uses to which I put this engine make it a labor saver and money make to be mean order. One of homeon make of the mean order. One of homeon the make the cools the milk. The water is forced directly from the well through the cooler, the milk being cooled down to 52 degrees as fast as three or four milkers can bring the milker sea bring the milker sea horize the water leaves the cooler it runa into a cement atock trough, six by 16 by two feet.

I chop my own grain, thus saving the miller's bill, using a grinder with an eight-inch plate. I also get some



Home of the Best Hired Mam

Home of the Dest First Mann.

f. Geo. French, Eigin Oo. Ont. regards
s gasoline engine as the best hired
an around the place. It is housed
is combination milk and engine house,
sed of Mr. French's experience in the

additional revenue by chopping for my neighbors at six cents a hundred weight. I have a corn sheller run by the engine, and this spring I am going to run my fanning mill with it. Our grindstone is two feet in diameter and aix inches thick; quite a heavy stone were it turned by hand, but the gas engine handles it readily. We grind bones for fertilizer, I owing the power and my neighbor across the road the grinder. additional revenue by chopping for

the road the grinder.

POWER FOR RILD FILLING
Recently I have been filling my silo
with this power. First we used carriers on our cutting box with a 12-inch
throat. More recently I put a blower
on the box and the engine furnishes
sufficient, power to war. sufficient power to work it to perfec

The bucksaw has gone out of fashion The bucksaw has gone out or tashion on our homestead. Our engine can buzz through a stick 11 inches in diameter and do it easily and cut 35 or 40 cords of wood in half a day. Here is the complete cost of my outfit. Four horse-power gasoline engine, \$300.

\$300.

Pump jack, \$15.

Milk cooler, \$15.

Chopper, \$40.

Corn sheller (second hand), \$7.

Pump in 57-foot well, \$15.

My buzs aws I got second hand, it costing me \$8. I made the frame for it myself. I got the cutting box in a deal and we fixed it up ourselves.

A Profitable Cow

"That cow has made more

"That cow has made more money for me since she was 12 years old than most cows make for their owners in their life time," ownerfied Mr. L. H. their life time," ownerfied Mr. L. H. their life time," ownerfied Mr. L. H. their life time, "the strength of the their ownerfied Mr. L. H. their life time," ownerfied Mr. L. H. their life time, "their life time," ownerfied Mr. their life time, "their life time," ownerfied Mr. their life time, "their life time, and their life t

Does it pay to keep good stock?

Better Farming Coaches

The Ontario Department of Agriculture is cooperating with the Canadian Pacific Railway in place Canadian Pacific Railway in pla-ing two demonstration cars and a staff of competent instructors at the service of the farmers along the C.P.R. lines in Ontario, be ginning May 26th and continuing until July 11th. The stock car will contain cond. until July 11th. The stock car we contain good types of bear mores, beef cattle, dairy cattle sheep, swine and poultry to be used for demonstration and julying purposes. The judging of in stock will be emphasized from listoke with the contained the stock will be emphasized from listoke with the stock will be emphasized from listoke with the contained with the stock with th etc., any time between B a.m. and 5.30 p.m.

At practically all stopping points, evening lectures, illustrated with lantern views, will be give on one or more of the following

"Poultry Raising," "Weed Control and Destruction," "Live Stock Matters," "Seed Improvement," etc.

The evening sessions will be most interesting and profitable.

A well qualified staff of instruct A well qualined stan or instru-ors have been secured to take charge of the various exhibits as to deliver lectures at the evening meetings. The public are invite to visit the cars at any time as to visit the cars at any time are one skept of the cause as they are interested in. The ladies will be specially interested in the dairy, poultry and insect as hibits. The boys are urged to at the cars of the c

	Place.	Date.
	Galt Thursday. Train arrives at Galt 9:50	June
	ElmiraFriday	Juna
	GoderichSaturday Train arrives at Goderich 9	Juna
	MilvertonMonday	Juna
	Train leaves Milverton 3:30 StreetsvilleTuesday.	June 1
	Brampton Wednesday	Juna!
١	OrangevilleThursday, ShelburneFriday,	June !
1	ChatsworthSaturday.	June
Ì	Owen Sound Monday, Flesherton Tuesday,	June 1
ı	WoodbridgeWednesday.	June 5
١	Train arrives at Woodbridge 1	3:28 a.m.
ı	TotteahamThursday, AllistonFriday,	June 3
1	CraighurstSaturday.	June 1
١	Coldwater	
ı	OrilliaTuesday.	

OrilliaTuesday, June #
Train leaves Orillia 4:35 p.m.
Lindsay
PeterboroThursday, June 3
NorwoodPriday, June !
TweedSaturday, June 1
Perth
Smith's Falls Tuesday, July !
Carleton Place Wednesday, July !
StittsvilleThursday, July I
OttawaFriday, July
KemptvilleSaturday, July i
Winchester Monday, July 1
FinchTuesday, July !
Apple Hill Wednesday, July 9
Burketon Jet Thursday, July 3
ClaremontFriday, July 1
Train arrives at Claremont 9:25 am

For fuller particulars, apply to GEO A. PUTNAM, Esq.,

Superintendent of Institutes, Department of Agriculture Toronto.

have a ligh the best oil from powe Mr light the light the viding the pense of w joyfully ag Mrs. Gre besides a fi electric pla illustration

June

Electric

ment of Far an electric ir of the house trie nickle-pl for heating w coffee. The h a wire to the room and us or coffee hot

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VAC The next co ed in the hor The same pur will also sweep Green has laid building, where located, to the tend through t ings at conv The advanta

cost?" our edit ting ready to I "Exclusive cost me \$400," "but that was don't believe i cheaply to-day. clude the dyna lighting fixture and buildings. "Of course,

"the installation

very much less I had to build water wheel ju Where a small able there is n put in a plant light and power be very moderat be very moderate vantages they there is no que that electricity availability and operation where available. Pract of our plant has ment. It has be pense since."—I Coaches

ne 5, 1913

tment of Agriilway in place instructors # armers along Ontario, be nd continuin stock car wil dairy cattle oultry on and judgsized from 1 o 5 p.m. each

be allowed to overing "See Ifalfa Gro

all stopping

will be given the following Destruction."

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riday, June 1 ch 9:25 am iday, June 1 i 3:30 p.m. iday, June 1 iday, June 1 iday, June 1 iday, June 1 day, Junes day, Junes

day, June 3 1:35 p.m. day, June 3 day, June 3 July July July July July July July

Esq., citutes. griculture

Electric Power in Home and Dairy

(Continued from page 7) (Continues from page 1)
have a light many times at tronger than
the best oil lamp would afford and that
from power developed on their own
farm. Mr. Green recently offered to
light the church at Greenwood, providing the people will stand the expense of wiring it. To this they have joyfully agreed

joyfuly agreed,
Mrs. Green derives other advantages
besides a fine light from their hydroelectric plant. As will be seen in the
illustrations in the Household Depart-



"Anything More?" A scene in Brant Co., Ont., as photograph ed by an editor of Farm and Dairy.

ment of Farm and Dairy this week ment of Farm and Dairy this week, an electric iron is now a valued part of the household equipment. An electric nickle-plated heater can be used for heating water and making tea and coffee. The heater can be attached by a wire to the chandelier in the diningroom and used for keeping the tea or coffee hot while standing on the table.

VACUUM CLEANER

The next convenience to be installed in the home is a vacuum cleaner. The same pump that milks the cows will also sweep and dust the house. Mr. Green has laid a pipe from the dairy building, where the vacuum pump is located, to the house. The pipes extend through the partitions with openings at convenient places for the cleaner attachment

The advantages of Mr. Green's plant are self-evident. "What did your plant cost?" our editor asked as he was getting ready to leave.

"Exclusive of the power the plant cost me \$400," answered Mr. Green, "but that was some years ago and I don't believe it could be installed so cheaply to-day. In this estimate I include the dynamo, the motor and the lighting fixtures for the mill, house and buildings.

"Of course," continued Mr. Green,
"the installation of this plant cost
very much less than it would have had
I had to build a dam and put in a
water wheel just for the electricity.
Where a small water power is available there is no reason why a few
farmers could not club together and
put in a plant to supply them with
light and power at a cost that would
be very moderate compared to the advantages they would derive from it.
There is no question in my mind but " continued Mr. Green vanlages they would derive from it. There is no question in my mind but that sheetricity cannot be equalled for availability and ease of control in operation where the water power is available. Practically the whole cost of our plant has been the first investment. It has been little trouble or expense since."—F. E. E.

FARM AND DAIRY

KEEP YOUR UP-KEEP DOWN

"MINERVA" PAINTS

A specialty for every painting requirement

Your unpainted farm buildings, implements and vehicles rapidly decay and require a large cash outlay to restore them to usefulness

MINERVA PAINT will save you money and protect your property.

Write us for painting information. If your dealer cannot supply you we will.

INCHIN, JOHNSON & GO. (CANADA), INSTED.

TORONTO

WINNIPEG ed in England 1834

VANCOUVED



All "ARLINGTON COLLARS" are good, but our CHALLENGE BRAND is the best

FERTILIZERS

THE WILLIAM DAVIES CO., LTD.

Buy It By The Carload

In the United States large hog raisers buy Digestive Tankage by the carload. It is recognized as the world's best food. In

HARAB Digestive Tankage

is now used by many of the largest hog raisers, and is endorsed by Experimental Farms. Incomparable as a flesh-producer. Hogs fed on it very rarely suffer from hog cholera, rickets or other complaints. Write for Tankage booklet.

The Harris Abattoir Co., Limited Toronto

1 H C Quality Shows in Service

WE could seil wagons for less money, but we don't care to sell that kind of wagon. We want your second order, and your third, and every order you give for a wagon. We can't be sure of self-ting those orders unless the first wagon you buy from us proves so satisfactory there are to get order to think of going anywhere the for the second. We have to tell your first order. After that, we expect the wagon itself to do the selling. If C wagons

Petrolia Chatham

retrolia

are made of selected, high-grade material throughout.

Come with us to the works where these wagons are

ouilt, and see the tremendous sheds where the lumber

is air-dried—seasoned out of doors—for three years or

nore before it is used. Do you know the difference

takes years of time, and leaves the fibres of the woodfilled with and cemented together by the natural resinous residue of the sap. The other

requires only a few days' time, drives out

and the wood britten and weak. Air-drying produces

elastic lumber, wagon parts that bend and give

under loads and strains, but that come back

to their original position when the strain is



removed. Try for yourself some day the difference in breaking strain between an 1 HC wagon asle and a piece of kiln-dired wood a third larger. Then you will be the can hardly keep up with orders. The 1 we can hardly keep up with orders. The constant will give you catalogues and full information about well give you catalogues and full information about wagon he sells. See him, or, if you prefer, write it wagon he sells.

if you prefer, write

International Harvester Company of Canada, Ltd EASTERN BRANCH HOUSES

London, Ont. St. John, N. B. Built at Chatham and Petrolia, Out,



FARM AND DAIRY

AND RUBAL HOMB

Published by the Rural Publishing Com-

all the I. FARM AND DARPY is published every Thursday. It is the official organ of the British Columbia, Eastern and Western Ontario, and Beddon District, Quebec, Dairymen's Associations, and of the Gana-dian Holstein Cattle Breeders' Association.

that Muses associations of the secondary of the secondary

for a club of two new subscribers.

REMITTANCES should be made by Post Office or Money Order, or Registered Letter. Postage stamps accepted for amounts less than \$1.00. On all checks add 20 cents for exchange fee required at the banks.

4. CHANGE OF ADDRESS. — When a change of address is ordered, both the old and new addresses must be given. hange of audidesees must be all and new addresses must be a beginning market by the Friday to the Friday week's issue. UNITED STATES REPRESENTATIVES

STOCKWELL'S SPECIAL AGENCY hicago Office—People's Gas Building. cw York Office—236 6th Avenue. few Invite Farmers to write us on my agricultural topic. We are always leased to receive practical articles.

CIRCULATION STATEMENT The paid subscriptions to Parm and Dairy exceed 13,28. The actual circulation of each issue, including copies of the paper sent subscribers who are but slight-years, and snuple copies, warter than a copies. No subscriptions are accepted at less than the tube subscription area scepted at less than the tube subscription area.

from 16,150 to 17,200 copies. No subscriptions are accepted at less than the full subscription rates.

Sworn detailed statements of the circulation of the paper, showing its distribution by counties and provinces, will be mailed free on request.

mailed free on request.

We durantee that every advertiser in this issue is reliable. We are able to do far because the advertising columns of far because the advertising columns of an expectation of the control of t OUR GUARANTEE

FARM AND DAIRY PETERROPO ONT

MACHINERY AND CIVILIZATION

The degree of civilization of a people is measured by their ability to multiply their physical power. Hence it is that our civilization is largely dependent on our machinery. So long as the farmer turned over the earth with a crude spade or a twisted branch of a tree, he was dependent altogether on his physical power for his existence, and it took him all of his time to make a mere living. As soon, however, as the wooden plow came into vogue, the farmer did as much in one day as formerly he had done in several days. Hence, he had more time for self-improvement, more produce to sell, and he was thereby able to buy better clothes, live in a better house and give some favored child the benefits of an education. Then came the steel plow, and a still greater multiplication of powers.

And so it is all along the line The binder and mower in place of the sickle and scythe, the threshing ing outfit in place of the flail, the hay loader and the horse rake in place of the pitchfork, and powerelectric, gas, steam or wind-in place of mere brawn-all of these tend to elevate the farmer higher and higher in the plane of civilization. The inventor of an improved machine is worthy of all honor. He is deserving of a place among the great ones of the land.

AN UNEARNED HARVEST

We say that civilization tends to lift the farmer to a higher plane of civilization. But is machinery doing all for civilization that machinery should do? Is the toiler receiving the full measure of the increased returns of his labor made possible by machinery? We do not believe that he is. Another factor here enters that enables a certain class of the community to reap an unearned harvest and put into their pockets a large share of the wealth that machinery is enabling the laboring man to produce

So long as land was tilled with the crude spade or the twisted branch, it had little value. All that land produced was necessary to support the life of the laborer who produced it. By the use of improved machinery whereby one man was enabled to produce several times as much as he required for his own personal use, land was immediately at a premium and became a source of profit to the man who owned it. The price of land advanced. The laboring man who formerly had only to go out and start to till a piece of ground, now found that certain private individuals had laid claim to the earth and before he could use it he must pay for it. The interest on the purchase value of the land was almost enough to make the difference between the value of what his labor could produce under the old conditions and the

So it is to this day. Every improvement in machinery that makes it possible for the farmer to produce more by his labor, is immediately reflected in the increased value of his land. The man who starts farming now-a-days must pay such a price for the privilege of using a part of the earth that the advantage that machinery would otherwise be to him is largely absorbed by the interest or rent that he must pay. Does not every machine introduced make it that much more difficult for the tenant farmer to become a freeholder, and for the young man without a farm to start farming at all? After all, are increasing land values such a boon to the community as we are sometimes inclined to think?

Many a battle has been won in the end by an army, badly beaten, but which would not give in, and stayed right with the fight. Many a farmer has won a success in the end because he never stopped to think of the failure he was making of things in the beginning.

AIM MICHER

The average farmer may make a living. The really satisfactory profits come when our production is above the average both in quality and quantity. Farming needs individuality of character and purpose, just as the running of a store or a factory. And yet in this and every other country the majority of farmers seem to be quite content to be classed as "average."

Working on the level is monotonous. The farmer who milks scrub cows, depends on the dealer to select his seed for him, has no particular use for new inventions in the machinery line and in other ways gives evidence of his unprogressive tendencies, has "no kick coming" when his boys up and leave him. What is there to interest a boy in milking cows when it is just "milking cows," that, and nothing more.

Suppose, on the other hand, that that cow is a pure bred animal, and that the boy is trying to make a record with her. Will the boy be interested? Just visit some of our leading breeders and see for yourself the interest that everyone around the farm takes in the cows. Even pedigreed grain gives the farm work added interest.

It is easy to get into a rut. Keeping out of it is a matter of ideals. Let us set a high standard for every product produced on the farm and then devote ourselves enthusiastically and energetically to the accomplishment of that ideal. Then will we hear less talk about lack of interest in farm work. Monetary returns will be greater and we and our children will be bigger and broader because of our ideals

UNWHOLESOME AND OBEJECTIONARI.E

The specimens of advertisements we turn away from Farm and Dairy, as grouped on page eleven this week are but a few samples of the business that has come unsolicited to Farm and Dairy, but has been refused insertion in our columns. The revenue these classes of advertising represent is a sum so large as to be almost unbelievable. It is estimated that over 3736 per cent, of commercial advertising available is of this kind. One of our weekly contemporaries in a recent issue had over 40 per cent. of its commercial ads. made up of these classes of advertising, which is absolutely refused the use of Farm and Dairy columns. Another farm paper contemporary on one occasion this last winter, carried as high as 2936 per cent. of its total commercial ads. made up of this kind of advertising! One Toronto daily, it is estimated, carries over \$40,000.00 worth of this business annually!

We draw these facts to your attention in order that you may still greater appreciate the battle we are fighting in your interests; also that other publishers of Farm papers and weeklies and the dailies may come to see the error of their way in publishing advertisements of the classes in question. There is a big moral

"Clean as a Whistle" The Rural Publishing Co., Ltd. Peterboro, Ontario

Dear Sire

It is a pleasure to look through the pages of your paper. Every one is as clean as a whistle, and each carries that air of sincerity, which is the basis of all salesmanship, whether personal or in print. My warm congratulations to you.

With all good wishes, I remain. Faithfully yours, Richards H. Waldo. Good Housekeeping Magazine

responsibility in this connection which many people and publishers as yet have not come to recognize.

BIG BUSINESS ON THE FARM

Every class of business men in this country, except the farmer, have learned that business transactions must be conducted on a large scale if they are to be most profitable. Buying in small quantities is expensive; individual marketing of small quantities of goods is even more expensive. It is to take advantage of the extra profitableness of big business that many of our mergers and combines are formed. Almost every day we hear of several small business men in some of our cities who have combined their interest in a joint-stock company in order to reap the advantages that come through buying and selling in large quant ties

The joint-stock company, however. is not as adaptable to the country as it is to the city. When several business men join their interests together in a large joint-stock concern they practically give up control of their business. This the farmer does not wish to do His desire to run his business independently is an inherited trait ,and if the farmer would take advantage of "big business" methods he must find some other method than through the joint-stock com-

The cooperative concern, in which each farmer manages his own farm and combines with all his neighbors for the marketing of his produce and the purchasing of supplies, is the form of "big business" best adapted to rural districts.

Do big cities grow big men? The Christian Guadian recently made in-

vestigation as to the Town versus birthplace of the mem-Country bers of President Wilson's cabinet, and the

results of their analysis is all in favor of the country. With one exception the President's advisers all began life in the country or a small town. In the Dominion Cabinet, out of 18 members, all but one were born in the rural sections or in small towns. Of the present provincial premiers in Canada not one was city born. It would seem that a childhood spent next to Nature inculcates more of the attributes that lead to greatness than do childhood days spent in the rush and roar of the city.

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"A Paper Farmers Swear By"

AD. TALK LYXXIV

It generally does one good to take a peep into the past and note a "Milepost" to discern how far

and fast we have progressed Since 60 years ago, advertising

has progressed most wonderfully. In those olden days newspaper advertisements were few; invariably small and inconspicuous; gen-

erally lacking illustration A fair specimen from those olden days is this now interesting ad. reproduced herewith:

Phonix Foundry, July 27, 1853.

NEWCASTLE FOUNDRY AND

MACHINE SHOP.

THE Subscribers would respectfully inform their customers and the public generally, that they have now on hand, and are still manufacturing, a number of Burrall's Reaping and Ketchum's Mowing Machines

ON IMPROVED PLANS. They are also making several THERSHING MACHINES
of various kinds, of form Four to Eight Horse-Power,
with Clearmers and Stree-Carriers statched, which will
be ready for the coming harvest

TO MILL OWNERS

TO MILL OWNERS

They would say that having lastly made several Important additions to their Meeting Shop in the way of the best Lather, Took Meeting Shop in the way of the for Mr. R. H. Goodway, Milled of Mr. R. H. Goodway, Milled on Machinat, who has for many years been engaged and Machinat, who has for many years been engaged and Machinat, who has for many serve been captured to the Mr. R. H. Goodway, Mr. R. H. G. H. G.

All kinds of PATTERN MAKING connected with

she establishn ent.

The Public are invited to call and examine for themselves, as the subscribers are confident they can do as
well by them if not bette, than any other establishment Well by them it not bette, r then any other establishment A. Plought. Cultivators, Harvows, Trunpike Scrapers, Whet-barrows, dyc., kept constantly on hand.

Threshing Machines repaired with promptness and

REPRODUCTION OF AN ADVERTISEMENT IN THE NORTH AMERICAN, PUBLISHED IN TORONTO IN 1853. recognize the advertiser as none else than the old Massey Company, since grown to gigantic proportions, and known as the Massey-Harris Co., with an organization and a sales force covering practically the

civilized world. There is a characteristic about this old advertisement suggesting the rock on which rests the great success of the Massey-Harris Co. of to-day. It rings true. It savors of the sterling genuine. Any man

on reading must believe! Critics of to-day would tell you it lacked unity, it contains too many ideas and it occupies too little space.

But things were different in those days. This ad., it may be, was the beginning of the great things since come into fruition for the Massey-Harris Company. And

who would care to criticize? We all know something of how great the Massey-Harris Company has become. Advertising in its many forms and phases made it possible. Farm paper advertising contributed to their success.

They are coming more and more to sow to advertising and through it to reap and grow. Their ads. of now-a-days appear in F. and D.,

Stable Cleaning by Machinery

The stable cleaning device of Mr. Geo. Robertson, Perth Co., Ont., described in the dairy number of Farm and Dairy, attracted so much attention among our readers that we wrote to Mr. Robertson for further details regarding his invention. He has re-plied as follows:

plied as follows:

"We have patented our stable cleaning device, but that will not prevent a man from putting it in for himself. We use a closely woven wire screen which lies in the gutter all the time except when cleaning. This wire is attached to a roller standing about 15 feet from the barn, there is a slide from gutter to top of roller, a slift of about seven a lift of about seven feet. When passing over the drum the man-

feet. When passing over the drum the man-ure falls into a spreader cart or sled. We use a cart or sled. We use a two-horse power gaso-line engine to do the work, it being attached to the drum by a

to the drum by a cable.
"We clean 80 feet of gutter and it is all done in four minutes from the time we start the engine until the wire is back in until the wire is back in its place again. The gutter is as clean as if it had been swept with a broom. If any one would care to visit me on my farm at Almonte, I would be pleased to let them see this device in operation."

Publishers' Desk

(Continued from page 2) about Farm and Dairy, about Farm and Dairy, and have gotten them to subscribe. We ap-preciate also that a great many more of dispatch.

II. A. MASSEY, & CO.
Newcastle 31st May, 1852.

REPRODUCTION OF AN ADVERTISEMENT IN THE NORTH
AMERICAN, PUBLISHER IN TORONTO IN 1863.

All farmers and their friends will telephone two or three of your friends so than the old Massey Company.

The next Special Magazine Number of Farm and Dairy in 1913 5th Annual series, will be our sixth annual great Exhibition Number to be dated August 28th. Already we have big improvements and many good things planned and in shape for it.

Right through the summer you will continue to find Farm and Dairy intensely practical and alive with good things that will help you in your business of farming, to live better and make more money. No matter how busy you are we know you always pick up and read Farm and Dairy, for the splendid results our advertisers have been reporting as advertisers have been reporting as continued to the second of the comment time in years gone by the comment time in years gone by the comment of t

Tar Weakens Rope.—Rope is often tarred to protect if rom the weather This is a memerian doubtful practice as the acid as the acid as the acid to the tar weakens the rope to such an theory to the tar weakens the rope to such an interest of the tar weakens the rope to such an acid to the control of the rope to such an acid to the control of the rope to such as the control of the rope to th Tar Weakens Rope, Rope is often

Don't neglect the calves.

TRADE in your old separator on account of a new

An up-to-date De Laval Separator will, on an average, save its cost every year over any other separator.

In addition to the actual saving in more and better cream there is also the saving in time of separation and cleaning, in easier running, greater durability and fewer repairs.

Because of these savings more than 40,000 users of inferior and worn-out separators of various makes last year took advantage of the De Laval exchange allowance and traded in their



machines on account of De Lavals. USERS OF OLD DE LAVALS, on account of the many improvements in the modern De Laval over machines sold to to 25 years ago, including closer skimming, 25 years ago, mentuing closer skillings, easier running, better oiling, etc., will also find it to their advantage to exchange their old De Laval for an up-to-date De Laval.

SEE THE NEAREST DE LAVAL
AGENT. He will tell you how much he can allow on your old machine, whether a De Laval or some other make, towards the purchase of a new De Laval. If you don't know a De Laval agent, write to the nearest De Laval office giving make, number and size of your present machine, and full information will be sent you.

DE LAVAL DAIRY SUPPLY CO., LIMITED PETERBORO

WINNIPEG VANCOUVER



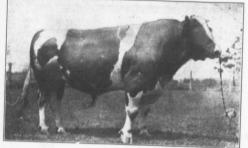
Boulder Before and After Blast

Are there Stumps and Boulders on your Farm? If so, why not use CXL Stumping Powder to rid yourself of them? The cheapest and quickest method known for clearing land. Also used for Tree Planting, Ditching, and Sub-Soiling. If interested, write to-day for our Illustrated Booklet; it tells you how to save time and money, and convert unproductive land into productive and moneymaking Harvests.

CANADIAN EXPLOSIVES, LIMITED

Montreal, Que.

Victoria, B. C.

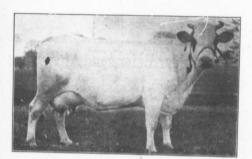


A Great Sire Worthy of the Notable Herd He Heads-The Manor Farm Holsteins A treat Jire Worthy of the Notable Herd He Heaus—Inc Manor Parm Hoisteins With a sister whose milt texted £50%; in butter fat and making 44.150 lbs. butter fin 7 stock, this bill. "Prince Heavier Son to face, such be himself so good individually and a getter of proven stock, this bill. "Prince Heavier Son the Heavier



What Better Cow Would You Want Than This One as a Grand-Dam to Your Holsteins?

This is the dam of "Prince," the greatual dawn immediately above. She is Pletertje Hengerveld Fraulein, bought by M. (Googenham last spring the paying big money for hey in order to test her, but owing to have the summable to test her, has you can see from he left her in a very bad state, he was unable to test her, as you can see from he left her of the content from she is due to make As you can see from the state. The was unable to test her, as you can see from the set her, as you can see from the set of the content of the co



A Wonderful Producer and a Very High Tester in Butter Fat

This cow is Jennie Belle. 27.9 lbs. butter in 7 days, from 250.2 lbs. milk, testing 4.3% in butter fat; 2.57 lbs. milk, 105.15 lbs. butter in 30 days. Her helfer call was recently purchased from the Manor farm by Prof. J. H. Grisdale.



Two Full Sisters From a Great Sire

Two Full Sisters From a Great Sire
Here you see Lady Carman Pontials bon
March 2nd. 1310, and some months are month
£54 lbe hutter in 7 days, best day's milk 60
lbs. and this on indifferent feed. Back of her
lbs. and this on indifferent feed. Back of her
both in Dr. 1. de L. Her Loo Carman,
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both in Dr. 1.

A CTIONS and performance always speak more forcibly than words and since pictures convey to you and since pictures convey to you an exact idea much better than it is possible to do with words, Mr. Gooderham, of the Manor Farm, Bedford Park, Ont., has arranged to give the readers of Farm and Dairy this most excellent display of some of the good things that

It has been my privilege during the rast year and a half to visit at the Manor Farm occasionally for the express purpose of looking over his Holsteins, keeping an eye on what they are doing and making you acquainted with the facts through Farm and Dairy.

the facts through Farm and Dairy. Readers of Farm and Dairy who have visited at the Manor Farm, will know considerable of what a pleasure it has been to be closely in touch with these cattle and to see the herd grow, de-velop and improve; for you know Mr. velop and improve; for you know Mr. Gooderham is a very progressive breeder and he has his ideal set high. Others of "Our People," who as yet have not been privileged in getting out to see the Manor Farm Holsteins, will gain from this display a very fair idea of what they may expect when they buy rom, or go to see, the Manor Farm

We have heard from quite a few of our people who have been at the Manor Farm, and most of them have expressed Farm, and most of the thave expressed their delight at what it have expressed their delight at what the way to the their delight at what the farm Holsteins we have also had good reports; for instance, the following from a nost card written to Farm and Dairy. May 3rd, by Mr. A. Kelly, of Vanessa, Ont., who purchased one of the built calves recently offered in a Manor Farm advertisement: "I must say Mr. Gooderham is a very reliable breeder and one that the readers of better the word. He also has the goods of his word. If also has the goods of his word. If also has the goods of his word. He has a down the good of his word. He has the good of his word has the lack to get him."

Then Mr. Gooderham received a very circle letter dated May 13th, from Mr.

nice letter dated May 13th, from Mr. John Anderson, Oxford Mills, Ont., who John Anderson, Oxford Mills, Ont., who hought the second bull calf to which Mr. Kelly refers. Here's an extract from Mr. Anderson's letter to Mr. Gooderham: "I'm writing to let you know that we received the calf all right. He is a fine animal,—just as you described him. We are well satisfied. I am going to town to-morrow to send you a cheque for \$150 to pay for him,"

a cheque for \$150 to pay for him.

One thing we have always noticed about Mr. Gooderham with his Holsteins is that in selling stock he has priced it very reasonably. From some quarters we have heard criticisms that he should have obtained higher prices because he does so much advertising in Farm and Dairy. To this we have always replied, as we would have you know now, that quick and ready sales at reasonable prices with small profits are much to be preferred to big prices with much stock



June 5, 1913

A Canadian Champion and ad Also a World Beater

This illustration shows Lady Vincenholds the Canadian Championship in her age and on three quarters cair derful record of 29.56 lbs. hutter is fat. Note that she is ed Also a Werne Beater

in the Manor Farm herd. She
wed also the world's) for a cow of
il years, and she made the wonbe milk averaging 4.1% in butter
a great producer.
by an editor of Farm and Dairy.

A Few of Our High Testing Hotel h We Have Tested Officially

Gordon S. Gooderhan Bedford Park, Ont.



The World's Greatest, 44.1521 7 Days, 6.028% Butter Fat Sister to The Great Bd he Manor Farm Herd

This phenomenal cow, Spring Farm Is has made an A. R. O. of 44 152 lbs as in butter fat; in 30 davs, milk, 2.35 is World's Champion. Sister to Mr. Gow Pontiacs." heading the o. 105,812, age 5 yrs. 20 mos. 20 days. s. from 58.5 lbs. milk, testing 6.028-\$3 lbs., recently sold for \$10,000, t bull. "Prince Hengerveld of the n herd of Holateins.



Queenie L, One of The to at The Manor Farm

Here is a truly wonderful ow, Sars testing 5.25% in butter fat. This rest hay, owing to her getting a verse She is a candidate for well over his from the Manor Furm recent

s butter, 495.1 lbs. milk in 7 days, on nothing but roots and timothy of it was dangerous to feed her, the dam of the bull calf bought thur Kelly, Vanessa, Ont.



Highest Priced Bull Ever Sold At Auction

Highest Fricad Ball Ever Sold At Auction When only its menths old this bull. King Segis Pontiac Alexira, and at yuble auction for \$10,000, be being a good at yuble auction from whom Mr. Gordon S. Good Mr. Armann, from whom Mr. Gordon S. Good Mr. Armann, from whom Mr. Gordon S. Good Mr. Armann, and the segion of the segion and the segion of the segion

hanging on one's hands to feed and eat their heads off. Then also with his announcement to you, and to more than 16,000 others like you in Farm and Dairy 16,000 others like you in Farm and Dairy each week, he is giving you a message and the news aboth herd in a manner that would not not possible in any other way at many many times the cost. Thus his advertising is good business and it makes more yor him and money for you when you buy his stock.

These pictures given on these two pages show you individuals of some of the most popular Holstein blood to-day. the most popular Holstein blood to-day. You will note from the facts given about each animal under the cut how rich they are in butter fat, that thing which every good breeder is striving for now-

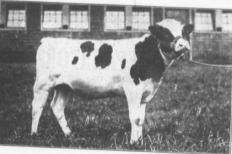
every good breeder is striving for nowadays, and wisely so.

One of these cows you will note as
Queenie L., with a butter fat test in her
nilk of 5.2 per cent.

Then note also the truly vonderful
Then production of the cow Spring
Farm Production of the cow Spring
Farm Adays, 17 days, 17 days, 17 days, 17 days, 17 this cow
being a sister to Mr Gooderham's senior
herd sire, Prince H. Gooderham's senior
herd sire, Prince H. Gooderham's senior herd sire, Prince Hengerveld of the Ponherd sire, Prince Hengerveld of the Pon-tiacs, whose picture appears at the top,— first on these two pages. This is the first time we have made public a pic-ture of the dam of this great bull, Piet-ertje Hengerveld Fraulein. It is too bad that luck went against her and that ertje Hengerveld Fraulein. It is too bad that luck went against her, and that Mr. Gooderham after paying big money for her, was kept from making the big record on her that he had every reason to expect. Note anatudy her type carefully. Another time with luck in her favor you can expect something really good and at any rate isn't she just about the right kind of a cow you would like to have as the grand dam of stock you might own?

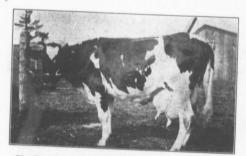
To enable him to continue to progress To enable him to continue to progress with his Holsteins, Mr. Gooderham has recently bought for the Manor Farm a son of the great \$10,000 bull, King Segis son of the great \$10,000 bull, King Segis Pontiac Alcartra. A picture of this bull and his noted sire you will see at the upper right-hand corner of this spread. Note particularly the individuality of both of these animals and their richness of blond as represented in records of both of these animals and their richness of blood as represented in records of production and per cent. of butter fat in milk.—the dam of this youngster averaging 5.01 per cent. fat in her milk. Surely with stock such as this coming available in the next year or two you will make a wise move in keeping an eye on the Maoor Farm Holkstone and are on the Manor Farm Holsteins and arranging to get, as it becomes available from time to time, some of this most richly bred Holstein stock.

Just at this time Mr. Gooderham has Just at this time Mr. Gooderham has no stock in particular that he desires to sell. He is planning for a sale on April 16th, 1914, at which sale he will sell milking stuff only all of which will have been given official records. This past winter he was very successful in making official records on his stock, 11, includometal records on his stock, 11, including young things, making records of over 20 lbs. butter in a week, and six making over 25 lbs. butter in 7 days official.—C. G. N.



Where Can You Beat This Bull Individually? Also in Richness of Breeding?

Where Can You Beat This Bull Individually? Also in Richness of Breeding? Here you goe a son of the \$15,000.00 bull, "King Seris Pontiac Alcartra," and out of \$72,000.00 km, \$72,000.00 km



What Think You of This Manor Farm Heifer as a Coming Milk-Making

Machine?

This helfer is Ladv Summerville De Kol. a three-restricted that was in very poor shaps for testing when she was nut through this last spring. Mr. Gooderham had test at once. In spin fresh, and on setting her home put it. Wr. Gooderham had test at once. In spin handlesh, however, she made a recomb the official butter in 7 days. Si7.5 him, handlesh, however, she made a recomb she will be butter in 7 days. Si7.5 him and a she will be she w



Mercena of Campbelltown-Twice Proven, and Becoming Better

A three-rear-old that increased her record from 13 lbs. as a 2-year-old to 25.7 lbs. butter in 7 days, 47.9 lbs. milk, testing in butter in 3.9%, as a 3-year-old. She is dam of bull calf bought from Manor Farm. Outsily by Mr. John Anderson, Oxford Mills, Out.

Our Twenty-Year Guarantee Protects You

gh quality on all sizes and generous terms of y is large or small, do not fall to get our great offer. Our groun request, is the most complete, glabours and expensive book on Cream Separators issued by any concern in the work of the most complete, elaborate and expensive Shipments made promptly from Winnipeg, Man., St. John, N. B., and Toronto, Out.

AMERICAN SEPARATOR CO., Box 1209 Bainbridge, N. Y.

WE WANT YOUR CREAM

Sweet or Sour

Drop us a card for Cans. We supply then and pay Express-weighed and tested on delivery and returns go back every week. We require an unlimited quantity of Strictly New Laid Eggs. BEST PRICES FOR BOTH CREAM AND EGGS.

Reference, Bank of Montreal THE BOWES COMPANY, Limited 74-76 Front Street E. Toronto



Land Value Almost Doubled

T is no longer an unusual thing for us to get reports It is no longer an unusual thing for us to get reports from farmers who have been using manure spreaders properly and consistently for periods ranging from the to five years, to the effect that the hand on which the manure spreaders have been used is regularly see on which the manure spreaders have been used is regularly see on under more produce that the value of the land is almost doubled. The second is the second of the second of

IHC Manure Spreader

I H C manure spreaders, Cora King or Cloverlest, are made in various styles and sizes to meet any and all conditions. There are wide, and the styles and sizes to meet any and all conditions are wide, and the style of the style

International Harvester Company of Canada, Ltd BRANCH HOUSES

andon, Calgary, Edmonton, Estevan, Hamilton, Lethbridge, London, Montro tleford, Ottawa, Quebec, Rogins, Saskatoon, St. John, Whenipeg, Yorkt



Creamery Department

Gas for Creamery Power:

Jan. M. Phillips, Haldimand Oo., Ont.,

I use a gas engine to provide power
in my creamery. I find that it saves
at least 60 per cent on the fuel bill.
It may require a little more oil and
oil of a better quality and an operator
with more mechanical experience than
does steam, but that is a small item.
Creamery men all need a boiler as
well as power; but a much smaller
boiler will do when one has the gas
sancine.

engine. . The first step I took towards reduc-The first step I took towards reduc-ing expenses was to buy a second-hand gas engine for \$150. I used it for two years in connection with the old boiler. I then discarded my large boiler, which was in good condition, and put in a small one. Steam and power now cost me about 25 per cent. The steam of the power of the cost in a first land of the desired power of the cost of the cost of the other changes.

of what is sound no cossing it i man not made the latter change.

One very good point about the gas power is that if I wish to churn in the morning (which I believe most of the boys do) I can start five minutes after my arrival at the factory. With steam power one would have to be on hand 30 to 50 minutes before starting. That half hour saved seems to have a great influence in getting the work done early in the day. I find that I have no trouble with odors from the gasengine as the odor is all confined within the pipes and the exhaust and burned gas all pass outside. burned gas all pass outside

A "Beauty Contest"

"Butter Boy." Victoria Co., Ont.
I have just been reading in a United
States paper of a "Beauty Contest"
that is being conducted by the Dairy
Department of one of the State Goveraments. Unlike most "Beauty Con-Department of one of the eraments. Unlike most "Beauty Contests" the ladies do not feature in this one. The prize is given to the Creamery Man who, in the estimation of the State officials, has done the most in the season to beautify the grounds

the season to bountify the grounds around his reamery.

There is lots of room for improvements in the grounds around the average Canadian Creamery as any contistons in Canada well knows. Of the dosen or more creameries with which I am personally acquainted, only one of them

sonally acquainted, only one of them has made any serious effort to beautify the grounds.

And why should the grounds not be beautified? I believe that attractive grounds around the creamery will give grounds around the creamery will give the creamery man more interest in his work, will give the patrona more pride in their creamery and the better spirit that will result between maker and patron would ultimately need to better understanding re quality of

ream, etc. This "Beauty Contest" is being well This "Beauty Contest" is being well received on the other side of the line. Why not have one in Canada? The Ontario Government for instance, might conduct such a contest. Farm might conduct such a contest. Farm and Dairy seems to be strong on good farms competitions. Perhaps they might devote a little energy to a creamery "Beauty Contest." What do other buttermakers think of my proposition?

The lack of "luck" of which many farmers complain, is of the same variety as the bad luck of a hunter who fid not shoot a deer because his gun was not loaded.

It seems impossible to live now without Farm and Dairy as we find so many useful things in it. W. H. Rutter, Hastings Co., Ont.

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

Gas for Creamery Power

Needs No 6 The con ROOFING

THE superiority of Amatite over all other ready roofing is apparent to anyone who uses it.

Amatite does away with all roofing troubles and unnecessary expenses because it is made with a real mineral surface which needs no

painting.

It is durable, fire retardant, prac-

tical, economical.

Don't buy any other roofing till
you look up Amatite. Write to
nearest office for samples. Creonoid Lice Destroyer Oreonoid sprayed on cows keeps away flies as it before milking and cows will visib

Everjet Elastic Paint we money by using this black pairever the color is no objection. Elastic proof, durable. Use it for rubbeings and all exposed iron and wood.

The Paterson Mfg. Co., Limited fontreal, Toronto, Winnipeg Vancourer, L. John, N. B. Hallfax, N. S. Sydney, N. S.

CREAM WANTED

We pay the highest city prices for creat delivered sweet or soon at any expression office. We supply cans and remit prospely, with securitate record of each sky ment. If it securitate record of each sky your cream to the Parotto Oreanny. If Interested you should write us.

Toronto Creamery Co., Ltd. TORONTO

Highest Price for Cream

I.-We supply cans and pay express

II.—Test every shipment upon arrival and send a statement for same.

III.—Pay every two weeks and oach shocks at par.

ohecus at par.

It costs you nothing whatever to give our system a trial.

Let us send you a can and enable you to try a few shipments.

For fuller particulars write

The Berlin Creamery Co. Ontario



When buying new Dairy Anatus and Supplies see that the tamped with the Beaver Crest. reat is stamped upon all that Dairy Supplies and stands thest quality obtainable. remaining and materiels at all Beaver. Productions our BIG CATALOGLE. of labor-saving devices for Dairyman, It is were. abor-saving devices dryman. It is FREE Write for it to-day Address: Dept. "B"

WA DRUMMOND & CO 214-KING ST.EAST. ORONTO - CANADA

***** Chees Makers are

June 5.

choose make 22222222 Nuggets

There is no which the pe much as to know of no pl will keep up a to tie up wit ment that the There will a quality, and this spher should be the make his farm crops this year

Dairying, as we are more The future a dustry will no improved meth improved meth-ing of cheese, quantity of mi-marketing of to One of the chi-makers' club su ized here to-day-kets and create

The increasing ducing the amo at our factories. tion our makers one another and one another and They must striv amount of chees tity of milk—to be sound. Chee vince their patt of delivering ur And the product rial is the gres

The two requi keeping of milk ture and cleanli proved that if mi free from outsid soon as it is draw kept at a low ter main sound almo comes in contact temperature of me the animal is the the growth of ba-teria which are a of low plant life growth the same of the higher or moisture and a I It is therefore any the be kept healt conditions be clean comes in contact Far too few of ou

It requires a l overripe or unsour given quantity of milk. Milk costs milk. Milk costs the wastes that we ing to-day. We efforts towards the leaks. We want that will allow us

These brief paragret to the heart of things an address given by Chief Dairy Instructe at the organization rark County Cheese M

une 5, 1913

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OOFING

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Mfg. Co.,

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UPPLES

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WA

Ontario

Makers are invited to send contri-butions to this department, to ask questions on matters relating to cheese making and to suggest sub-jects for discussion. Address letters to the Cheese Maker's Department. e jets for discussion.

e to The Cheese Maker's Department.

Publow's

Address *

Address*

There is no industry in Canada to which the people as a whole owe as much as to dairying. Moreover, I know of ne phase of agriculture which will keep up soil fertility as will dairying is a safe business to tie up with. There are a safe business to tie up with. There are a safe business to the properties of the properties of the safe and the sa

Dairying, as we have it in the cheese industry, is the form in which we are more particularly interested. The future advancement of this industry will not depend so much on improved methods in the actual makimproved methods in the actual mak-ing of cheese, as on the quality and quantity of milk produced and the marketing of the finished product. One of the chief objects of a cheese-makers' club such as you have organ-ised here to-day is to study the mar-kets and create a demand for dairy

products.

The increasing demand of our cities and towns for milk and cream is reducing the amount of milk delivered the control of the contr

The two requisites for the proper keeping of milk are a low temperature and cleenliness. It has been proved that if milk be kept absolutely free from outside contamination as soon as it is drawn from the cow and the contamination of the con soon as it is drawn from the cow and kept at a low temperature, it will re-main sound almost indefinitely. Bac-teria enter the milk as soon as it comes in contact with the air. The temperature of milk as it comes from the animal is the mest favorable for temperature of milk as it comes from the animal is the most favorable for the growth of bacteria. These bac-teria which are a very minute form of low plant life require for their growth the same conditions as plants of the higher orders, namely, food, meisture and a proper temperature. It is therefore imperative that the cat-tle kept healthy and the howsing conditions be clean and well vertilated. Far too few of our stables are in this conditions.

It requires a larger quantity It requires a larger quantity of overripe or unsound milk to make a given quantity of cheese than of good milk. Milk costs too much to allow the wastes that we find in cheese making to-day. We should direct our efforts towards the stopping of the leaks. We want a souring in milk that will allow us to retain the old-

"These brief paragraphs, which so right to the heart of things, are extracted from an address siven by Mr. G. G. Fublow, Chief Dairy Instructor for E. Ontario, at the organisation meeting of the Lan-ark County Cheese Makors' Club.

Cheese Department in the least possible loss, and it is in the least p

If we place our products on the market in a wholesome and appetizing condition the desand will always increase. There a among the production of every condition that man cannot control; for example, weather conditions. But if we take, weather to missing which we can control; the a remarkable who can control; the a remarkable who can control; the a remarkable of this country.

In every district there are some patrons delivering milk that will make In every district there are some patrons delivering milk that will make a cheese of poor quality. A few and patrons lower the quality of the notal output of cheese. Who is the matter of that suffers? It is the one who is the livering good milk and who takes care in its production. No cheesemaker should allow any of his patrons to deliver unsound milk. It is this milk view unsound milk. It is this milk representative unsound milk. It is this milk considered the control of the contro get the other patrons to adopt them.

I have noticed that the men who are producing the most milk are those who are keeping pure-bred sires.

I know of a well equipped cheese factory that was turning out poor cheese. Event turning out poor cheese. Event the patrons were not sending in uniform patrons were not sending in uniform No matter how much money is again. No matter how much money is again to a sending in uniform the patrons will above poor resulting education will above poor resulting the production of the raw material.

... Points on the Scales *

A cheap 1,000-pound scale may have ly 500 lbs. capacity for correct weighing.

The cause of trouble with two-thirds

The cause of trouble with two-thirds of cheese factory seales is corresion. The scale does not wear out; if rusts out. Hence the important part is to keep scales clean.

Hence the important part is to keep scales clean.

Remember that the bearings are the mortant part in getting correct memorates are the mortant part in getting correct memorates. These may be well cleaned will be transparently energed to the protect of the

Scales in cheese factories should always be galvanized to prevent rust. . . .

Makers and instructors should be brought face to face more frequently. There are no finer cheese instructors in the world than those in Ontario.— H. Hodgson, Montreal, Que. . . .

Can an instructor do efficient work when the cheese are removed from the factory when one to two days old? —R. A. Pringle, Royal Cheese Com-

I will admit that merchants some-times make it difficult for instructors by passing poor cheese on a rising market. This difficulty might be ob-viated did instructors and buyers get together more frequently.—H. Hodg-son, Montreal, Que.

*These notes are from an address by Mr. Wiggins at the last E. O. D. A. Convention.



It isn't an easy job holding them back from

Caldwell's Sub-Calf Meal

-it's the MODERN way

--the ECONOMICAL way

---the PROFITABLE way

of vealing up or raising calves for beef or to replenish your Dairy Herd and you can raise as fine calves with it as you can on whole milk. But-

Keep on selling the milk. Caldwell's Cream Substitute contains the same nutriment and costs far less. Ask your Feedman about it or write us.

THE CALDWELL FEED CO., LTD., DUNDAS, ONT.



You Will Need Extra Power

WHEN you buy your engine, get it big enough to

HEN you buy your engine, get it big enough to do more than your present work. If it's an I HC engine it will last a long time. Your farm work is bound to increase in volume. You help you can save yourself the price of another engine four or the your cars from now, by getting an engine a size larger than you need now.

Over-speeding and straining harm any engine. There is one correct at which the arm of the work of the work

and buy an HC Oil and Gas Engine

An IHC oil and gas engine will deliver 10 to 30 per cent above its rated horse power when occasion requires, but it gives the longest service when enrying a normal load. All parts are carefully, accurately ground and perfectly and the maximum power is secured. Sizes—1 to 50-horse power. Styles—stationary, portable, skidded, writcal, horizontal, tatawer power. Styles—stationary, portable, skidded, sagas, gasoline, naphtha, kerosep, distillate or alcohol. Kerosene, gasoline tractors, \$12 to 60-horse power. The IHC local agent will help you decide on the size of 1HC engine you need. Get catalogues from him, or, write the nearest branch house.

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THE law of Nature is, Do the thing and you shall have the power; but they who do not the thing have not the power-Emerson. . . .

Rose of Old Harpeth

By MARIA THOMPSON DAVIESS "Copyright, 1912, The Bobbs-Merrill Company"

the widow consent still not? Tell Crabtree I say just walk over and try force of arms and not to— That force of arms is a good ex-That rores or arms is a good ex-pression to use—literally in some cases. Something is the matter with my arms. They don't feel strong like they did when I helped Uncle Tucker mow the south pasture and turn the mow the south posture and turn the corn chopper—they're weak and—and sorter useless—and empty. Tell Stonie he could beat me bear-hugging any day now. Has Tobe discovered any new adventure in aromatics lately, and can little Potect sit up and take notice? Help, help, I'm getting so homesick that I'm about to cry and fall into the ink!

"Good night-with all that the expression can imply of moonlight coming over the head of old Harpeth, pouring down its sides, rippling out over the corn-fields and flooding over a tall rose girl thing who stands in the doorway with her 'nesties' all asleep in the dark house behind her asleep in the dark house behind herand if any man were lounging
against the honeyauckle vine getting
a last puff out of his eigar I should
know it, and a thousand miles
couldn't save him. I'm all waked up
thinking about it, and I could smash
—Good night! M. E.
P. S. I don't think it at all square
of you not to let Stonie sell me the
little dogs. Women ought to keep
out of hundress affairs between men.'

fall into the ink!

out of business affairs between men

And as she turned the last page, And as one turned the last page, slipped it back into place and prompt-ly began at the beginning of the very first one, Rose Mary's face was an ex-quisite study in what might have been entitled pure joy. Her roses rioted up under her lashes, her rich lips curl-ed like the half-blown bud between the flower of her cheeks, and her eyes shone like the two first stars mirrored in a woman's pool of life. Also it is in a woman's pool of life. Also it is one of the mysteries of the drama why a woman will scan over and over pages whose every letter is chiseled inches deep into her heart; and exactly one-half hour later Rose Mary was still standing motionless by her table, with the letter outspread in her hand

And this was a very wonderful wo-man Old Harpeth had cradled in the hain Old Marpeth had cradled in the hollow of His hand, nurtured on the richness of the valley and breathed into her with ever-perfumed breath the peace of faith—in God and man, the peace of faith—in God and man, for to any but an elemental, natural, faith-inspired woman of the fields would have come crushing, cruel, tearing doubts of the man beyond the hills who said so little and yet so much. However, Rose Mary was one of the order of fostering women whose arms are forever outheld cradle-wise, and to whose breast is ever drawn in

(Continued from last week) KNOW it needs fresh cold cream mother love the child in the man of to make it heal up, and I her choice, so her days since Everett's haven't even any taleum pow- hurried departure had been filled with How's Louisa Helen and love and longing, with faith and pray-

nurried departure had been filled with love and longing, with faith and pray-ers, but there had been not one shad-ow of doubt of him or his love for her all half-spoken as he had left it. And added to her full heart had been burdens that had made her hands still fuller. She had goes on her way day by day pouring out the richness of the had been been been as a soriely and strength where it was so soriely not any one of the property of the with a song in her been feeble folk, with a song in her been served all red them and to answer every all red them and to answer every call from



Warm Tea Insured

An electric heater that may be attached to the chandelier over the dining room table is one of the useful devices in the home of Mrs. F. L. Green, Ontario Co., Ont.

Their hydro-electric plant is de-

along Providence Road. Thus it is that the motive power for the great cycles that turn and turn out in the wide spaces between time and eter-nity, regardless of the wheels of men that whirl and buzz on broken cog with shattered rim, is poured through the natures of women of such a mold

for the saving of His nations.
At last Rose Mary folded her letter, hesitated, and with a glint of the ter, nesitated, and with a gint of the blue in her eyes as her lashes fell over a still rosier tint in her cheeks, she tucked it into the front of her dress and smoothed and patted the folds of her apron close down over it, then turned with praiseworthy energy to

the huge bowl of unworked butter. And it was nearly an hour later, still, that the Honorable Gid loomed

in the doorway under the honeysuckle vines, a complacent smile arranged on his huge face and gallantry oozing

his huge face and gallantry cosing from every gesture and pose.

"Why, Mr. Newsome, when did you come? How are you, and I'm glad to see you!" exclaimed Rose Mary all in one hospitable breath as she beamed at the Senator across her table with the Senator across her table with the see you will be seen to see the Mary felt in did more the shower or her affablic more under the shower

Honorable Gid came under the shower of her affability.

"Do have that chair by the door, and let me give you a glass of milk," she hastened to add as she took up a cup and started for the crocks with a still greater accession of hespitality. "Sweet or buttermilk?" she paused to she paused to

"Sweet or buttermilk?" she paused to inquire over her shoulder.

"Either handed by you would be sweet" answered the Senator with praiseworthy pondereosity, and he shook out the amile veil until the very roots of his hair became agitated.

"Yes, Mr. Rucker says my buttermilk tastes like sweet milk with honey added," laughed Rose Mary, dimpling from over the tall jar. "He says that from in, and Mrs. Rucker wor't because I always pour cream into it for him, and Mrs. Rucker wor't because she says it is extravagant. But I think a poet ought to have a dash cause she says it is extravagant. But I think a poet ought to have a dash of cream in his life, if just o make the poetry run smoother—and orators, too, 'she added as she poured half a ladfedl of the golden top milk into the foaming glass in her hand and gave it to the Senator, who received is with a trembling hand and gulped it down desperately; for this once in it down desperately; for this once in his life the Honorable Gideon Newhis life the Honorable Gideon New-some was completely and entirely em-barrassed. For many a year he had had at his command florid and ex-travagant figures of speech which, cast in any one of a dozen of his dulcet modulations of voice, were warranted to tell on even the most stubborn mas-culta in tailclanne, and ought to have culine intelligence, and ought to have melted the feminine heart at the mo-ment of utterance, but at this particular moment they all failed him, and

cular moment they all failed him, and he was left high and dry on the coast of courtablp with only the bare ques-tion available for use. "Miss Rose Mary," he blurted out without any preamble at all, and drops of the sweat of an agony of anxiety stood out all over the wide brow, "I have been talking with Mr. Allowax and I have come to you to Alloway, and I have come to you to see if we can't all get together and set II we can't all get together and settle this mortgage question to the profit of all concerned. I lent him that money six years ago with the intention of trying to get you to be my wife just as soon as you recovered from your—your natural grief over the way your—your natural grief over the way things had gone with you and young things had gone with you and young Alloway. I have waited longer than a light of the property of the p

Senator's grandiloquence was returning to him, and he regarded Rose Mary with the pride of one who has appraised satisfactorily and is about to complete a proposed purchase.

And as for Rose Mary, she stood framed against the forn-lined dusk at the back of the milk-house like a nainal startled as she emerged from her tree bower. Quickly she raised her hand to her breast and just as quickly the pressure of the letter lying there against her heart sent a flood oyse her face that had grown pale and still, but she raised her head proudly and looked the Senator

straight in the face with a question

straight in the face with a question-ing, hurt surprise.
"You didn't make the terms clear when you lent the money to us," she said quietly.

said quietly.

"Well," he answered, beginning to take heart at her very tranquil aceptance of the first bourdment of thought it best to let a time claps to soothe your deceived affection and cure your humiliation. For the time heart I was the contract of being I was content to enjoy culling



Ironing by Flectricity

Mrs. F. L. Green, too. makes goo the electric energy developed private hydro-electric plant. She here seen operating her electri —Photos by an editor of Farm as

the flowers of your friendship from time to time, but I now feel no longer time to time, but I now feel no longer satisfied with them, but must be paid in a richer harvest. We will take charge of this place, assure a comfort able future for the aged relative in your care, and as my wife you will be both happy and honored." The Sea-tor was decidedly coming into his ra, and smile, glance and voice as he ra-garded Rose Mary were unctuon. In fact, through their slifts his eva hed a gleam of something the was hed a gleam of something that was so hateful to Rose Mary that she caught her breath with horror, and only the sharp corner of her letter pressed into her naked breast kept her from reel in hand and her quick mother wit was aroused to find out the worst and begin a fight for the safeguarding of her nestics—and the nest.

"And if I shouldn't want to-to do what you want me to?" she asked, and she was even able to summon a smile with a tinge of coquetry that served to dray the wily Senator fur-ther than he realized.

ther than he realized.

"Oh. I feel sure you can have so objections to me that are streng enough to weigh against this provide ing suitably for your old risting was the bath he dangled before a was the bath he dangled before humiliated eyes. "It is the one sure to do it, for Mr. Alloway is too did care any longer for the place, which has been run at a loss far too led already. We may say that in accepting me you are accepting this commitme. ing me you are accepting their confortable future. Of course you could not expect things to go on any longs in this impossible way, as I have need of the home and family I am really entitled to, now could you?"

(Continued next week)

исеессеессеессеесее The Upward Look

A Lesson from Moses

Is there any Bible hero who seems to us more real, more life-like, than Moses? In our childhood, was not the story of the little baby in the bulrushes always one of our great avortics? It is difficult to think of life containing more viciestitude. life containing more vicissitude, greater loneliness, keener and heavier responsibility, greater keener anxiety umph, more bitter disappointment. We know him as a poor child of op-pressed slaves, an adopted son of the pressed slaves, an adopted son of the royal house, a noted conqueror of Egypt's enemies, a lonely fugitive in long hiding a God-called leader of a vast multitude, and lastly, an old man disappointed in the one great research and the life. expectation of his life.

For forty years he had been direcfor forty years ne nad been direc-tor, law-giver, general, preacher, prophet of his people, always lead-ing, planning, teaching, dreaming of that wonderful Promised Land; yet into which he was told that he him-self would never enter. For the Lord had said unto Moses, "Get thee Lord had said unto Moses, "Get thee up into this mountain. and behold the land of Canaan, which I give unto the childrel of Israel for a possession. And die in the mount whither thou goest up. . Because ye trespassed against me . thou shalt see the land before thee but

thou shalt not go thither. thou shalt not go thither. . . And Moses went up to the top of Pisgah. And the Lord showed him all the land of Gilead, . . and all the land of Judah unto the utmost sea, and the south, and the plain of the valley of Jericho. . And the Lord said unto him, This is the Commencement

Paths to Happiness

1. Live the Serene Life. Be in Love with the World.

Think and Speak the Beautiful

4. Forgive and Forget Everything that Seems Wrong.

5. Seek the Ideal.

6. Develop the Whole Man. 7. Open the Mind to Beautiful Thoughts Only.

8. Be in Touch with the Harmony of Life. 9. Consecrate Every Moment to

-Larson in "Eternal Progress"

land. . . . I will give it unto thy seed: I have caused thee to see it with thine eyes, but thou shalt not go over thither. So Moses, the ser-

dwelt on "Trust in Obedience."
This week the thought is "Trust in Disappointment." Moses did this in spite of his terrible disappointin spite of his terrible disappointment. Among his last words were these triumphant ones: "He is the Rock, his work is perfect: for all his ways are judgment: a God of truth and without iniquity, just and right is he."

Is your trust great enough to en-able you to re-echo these words, you who are suffering now from some very bitter disappointment? It may very bitter disappointment? It may be a failure in a carefully-prepared-for examination, and the area of a carefully-prepared-for examination, the non-realization of a life-long vision, the thorsealization of a life-long vision that of the area of the control of a life-long vision of a

desirable results.

He note that the force of the work of the wind one and was unit of the wind one and was the force of the wind one and was be discovered that one pane was so imperfect that the work of the wind was the work of the w the river had become lofty mountains so that now one of her greatest pleasures is that view, as seen

est pleasures is that view, as seen through that seamed window.

May the slight and the trivial, or the great and the bitter disappoints of each seemingly thwarted or scarred or saddened life become the cause of earnest heartfelt gratitude for a life of joy, work, service, passing all expectation.—I. H. N.

...

A Little Help

There's help in seeming cheerful When a body's feeling blue, In looking calm and pleasant, If there's nothing else to do, If there's nothing else to do,
If other folks are swearing
And things are all awry,
Don't vex yourself with caring,
'Twill be better by and by.

There's help in keeping tally Of our host of happy days. There's never one that dawneth, But it bringeth cause to praise The Love that ever watcheth, The Friend that's ever near.
o, though one tryst with sorrow. One needs must dwell with cheer.

When troubles march to meet you Salute them at the door, Extend both hands to greet them Extend both hands to greet them,
Their worst will soon be o'er.
Beat down their stormy bugles
With your own rejoicing drums,
And, mailed in lofty courage, Accept whatever comes.

Sleep with open windows.



"Uniformity is a big word, Bud." "I 'spect it's because it means a lot, Rose."

Steady-Regular-Dependable Quality, there's the FIVE ROSES idea.

No bad dreams bakeday eves - the morning batch "flat" instead of "up." So very exasperating, you know, to get less loaves this week than last from the same quantities

FIVE ROSES is the sure flour - reliable,

VOU see No wrinkling worries over bread, or cakes, or pies, or

anything. Bake things always up to the mark of your happy expectations.

Disappointment-never.

Four times Uniform-Strength, Color, Flavor, toe, and Yield.

FIVE ROSES-trouble-proof flour. Use FIVE ROSES always.

Not Bleached



Not Blended

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HOMESEEKERS' EXCURSIONS

Each Truesday, until October 28
WINNIPEG AND RETURN \$45.00
EDMONTON AND RETURN \$45.00
Other Points in proportion.
Return Limit, two months
HOMESEEKERS TRAIN leaves Toronto
ZAD p.m. each Tuesday, May to August,
inclusive. Best Train to take.

UPPER LAKES NAVIGATION Steamers Leave Port McNicoll, Mon-days, Tuesdays, Wednesdays, Thursdays and Saturdays, for SAULT STE. MARIE. PORT ARTHUR and FORT WILLIAM.

ILLIAM.
he Steamer "Manitoba," sailing from
prt MoNicoll on Wednesdays, will call
towen Sound, leaving that point

STEAMSHIP EXPRESS leaves Toronto 12.45 p.m. on sailing days, making direct connection with Steamers at Port McNicoll General change of time June 1st Particulars from Canadian Pacific Agents or write M. G. MURPHY, D.P.A. C.P. Ry., Toronto

Capable Old Country Domestics

Parties arriving June 4th and weekly after APPLY AT ONCE

The Guild, 47 Pembroke St., Toronto and 71 Drummond St., . Montreal

Ball-Bearing WASHER

HERE is a washer that is fully guar-anteed. A big manufacturing cor-poration stands behind it. And the dealers who sell it are pledged to re-fund the full purchase price if any woman who buys it says she is not completely satisfied. Under these conditions, you

satisfied. Under the run absolutely no risk in trying the Connor Ball Bearing Washer. Bearing Washer.
If it doesn't do
the washing in
half the usual time,
if it doesn't wash the clothes spotlessly clean clothes spotlessly clean and without injury, you don't need to keep it. That's fair, isn't it? Write for descrip-

J.H. Connor & Son, Ltd., Ottawa, Ont.

THIS WASHER MUST PAY FOR ITSELF.

A MAN tried to sell me a horse once. He said t was a fine horse and had nothing the mat-ter and the wasted a fine horse, but, I didn't know anything about horses much. And I didn't know the man very well know the man very well either. So I told him I wanted to try the horse for a month. The told him I wanted to try the horse for a month. I wanted to pay me first, and I'll give you back your money if the horse fin't all right." Well, I didn't like that. Well, I wanted the way n't "all right" and they way n't "all right" and they way n't "all right" and they with it. So I didn't buy the with it. So I didn't buy the with it. So I didn't buy the wated it hadly. Now, this set me it.

binking, of make Wash

Ing Machines—the "B30

Gravity" Washer,
And I said to myself, lots of people may think

Ing Machines—the "B30

Gravity" Washer,
And I said to myself, lots of people may think

the horse, and about the man who owned the

Batt I de never know, because they woulded.

Batt I de never know, because they woulded.

Batt I de never know, because they woulded.

Machines by mail. I have said over half a mile

Machines by mail. Lave said over half a mile

Machines by mail. Lave said over half a mile

Machines by mail. Lave said over half a mile

Machines by the horse.

Now, I know what our "1900 Gravity" Washer

Now, I know what our "1900 Gravity" Washer

Now, I know what our "1900 Gravity" washer

Now, I know what our "1900 Gravity" usable

Line they can be washed by hand or by any other

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I know it will wash a tub full of very ditter.

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more personally: MORRIS, Manager, 1900 Washer Yonge St. Toronto, Ont.



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Walste, one of White Lawn,
lace trimmed, and 3 of
Print. light, with sky designs; all different; size 25
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CONDON ONT.
LONDON ONT.

NIGHT MADE LIGHT AS DAY IN A PETERBORO FARM HOME

A System of Lighting a Farm Home Installed by Mr. Stewart Brown, of Peterhora Co., Ont., after learning of this System through having seen it Advertised in Farm and Dairy. Inspected at first hand recently by an Editor of Farm and Dairy, who took the Photographs and Notes for this Article.

and Dairy, who took the Protographs and Notes for link Article.

Ay! Do you know we have the fifted that the first light in our home now gas on the burners. The manufacture that ever happened! There is no more eye strain at nights for us now while we are reading. Would you believe it, night is now as light as you believe it, night is now as light as for the protographs of the protographs of the protographs of the protographs and Notes for lighting, the set is placed to consider that the first place of the protographs and Notes for link article.

Ay! Do you know have the whole thing now in such shape where you simply most and the light come as the protographs and Notes for link article.



An Acetylene Lighted Home

An Acetyene Lighted Home rising Peterboro county home has recently been improved by the addition of an acetylene lightime plant. The addicing article tells how the acetylene lighting and his family, and acetylene light and his family, and acetylene and his family, and acetylene acetylene home.

—Photos by an editor of Farm and Dairy.

Allan Brown on their new acetylene Allan Brown on their new acetylene lighting system, which his father, Mr. Stewart Brown, of Peterboro Co., Ont. recently placed in their farm home. Allan was so delighted with the system that he happened to Inform us recently per the foregoing form us recently per the foregoing while he was in the Farm and Dairy office. We then talked more about their acetylene lighting system, and as we expressed a desire to see it. Mr. Brown invited one of our editors to come out to his place to see the whole thing and to stay for the evening so as to see what a fine light the acety-lene gives. Of course we took advantage of the invitation, and recently one of our editors went out to Mr. one of our cuttors went out to Mr.
Brown's, and while there secured the
photographs and the information
given in connection with this article.
Mr. Brown got in touch with this
really admirable system of lighting a

really admirable system of lighting a farm home through seeing the adver-tisement in Farm and Dairy last December from the Davis Acetylene Co., of Niagara Falls, Ont. One of his boys wrote for the information as advertised, and it later developed that the Brown home became the proud possessor of this modern system of lighting a farm home. lighting a farm home.

lighting a farm home.

When we got to the farm and started in to inspect the acetylene plant our friend Allen said: "We shall inspect the generator first. We have it down in the cellar.

"That is the generator over there. You see it stands in a corner out of the wear-mile."

You see it stands in a corner out of the way and it occupies but little space. It is automatic in its operation. You just put in the stuff and the generator does the rest.

"We fill the receptacles for carbide and water once a month, then the machine generates the gas as required. There whole thing is automatic. There whole thing is automatic. There is not provided that the standard of the stand There is no gas made with this macu-ine until you start to use the gas that is in the pipe, thus there is absolutely no danger of explosion because there is no gas about in any quantity suffi-cient to give an explosion. This Davis acetylene machine is a winner in this

respect.
"Our generator is large enough to
provide gas for 25 lights, each light
being equivalent to 25 candle power.
We did not put in the automatic or

we were anxious to know just what this entire plant cost. To our ques-tion Mr. Brown replied: "The total tion Mr. Brown replied: "The total cost for generator, chandeliers, piping and installation came to \$183.00 We could have secured a man in town to do the plumbing, in which case if might have cost us less, but we preferred to got a man who was thorough ly up on this special line of work, and, accordingly, we had the Davis Cosend us one of their own men."

"Is it as cheap as coal oil?" we sade "I's it as cheap as coal oil?" we add why. Brown. He replied, "If we ded Mr. Brown. He replied, "If we were to use enough coal oil to seen."

were to use enough coal oil to secure as brilliant a light as we get from the accetylene, it would cost us much more. The ordinary coal oil lamp is of course cheaper. But just wait unmore. The ordinary coar on lamp is of course cheaper. But just wait un-til you see the light from our acety-lene, and then you will know just why we prefer acetylene, even though does cost a little more each month.

does cost a little more each month.

As the evening came on and darkness settled down the acetylene jets were lighted. We then had the great were lighted. We then had the great pleasure of seeing a farm home bette lighted than any home we had ere seen in the city lighted by electricity. The acetylene light is stronger thas electric light. It seems to be of a peculiar color, which is very restril to the eyes. One's eyes can look right at the light without seeming to feel any inconvenience, which you would any inconvenience, which you would



A Thing of Beauty

The chandelier here seen constitutes a part of the acetylene plant recently is stalled in the farm home of Mr. Stewart Brown, Peterboro Co., Ont.

experience on looking into an electric light or even a light on a coal oil lamp. The acetylene in Mr. Brown's house seemed to light the farthest

house seemed to light the farthet corner, and one could read quite resi-ily when sitting in the corner, most remote from the light.

In order to demonstrate most clearly the advantages of their acception lighting plant one of the boys west to the back of the house and resureded one of their old coal oil lamps. He

lighted it, t lighted it, is until it was light. Then lene. The re in spite of was doing it who had bee same light f voors or mor paper he was ontriana wa match was so and the acet; the job, der wonderful sup

June 5

There are n no lamps to thome. There to drop and h their eyes at

An Attra

or in reading th journals, or in that is required this grand system they have, is the the generator; t

and requires only "It's splendid! every member of hold. We coul with them in ma In order to give the chandeliers as home we took the we have reproduc ticle. We also a exterior of Mr.
We feel about the readers do that a good for the farm

> Advantages Cle

farmers who rea can afford the bes

"Reader," Chate Why did we get
To save labor.
We listened to
advantages of a
its wonderful gat

not only from carr tresses, curtains a on heavy overcos

A Special Introductory Offer

GOOD FOR 30 DAYS ONLY

We are cutting the price in half, and selling our KING ED-WARD HAND-POWER VACUUM CLEANER for

EIGHT DOLLARS CASH

in order to introduce our celebrated Cleaner among the farm homes of Canada. Thousands of satisfied users in the cities testify to the merit of the KING EDWARD.

This is one of the best offers ever made to the readers of "Farm and Dairy." We want you to benefit by it, as the regular price of this machine is \$16.00.

Satisfaction Cuaranteed, or Money Refunded.

Cash must accompany order. Don't Delay. Order To-day.

The GEO. H. KING CO. Limited

WOODSTOCK, ONTARIO

lighted it, then turned the wick up

HOME of Peterborn dvertised in of Farm

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lighted it, then turned the wick up until it was giving its maximum of light. Then he turned off the acety-lene. The room at once seemed dark, in spite of the coal oil lamp, which was dong its best; Mr. Brown, Sr., who had been reading by that self-same light for a couple of score of years or more, at once dropped the paper he was reading to wait until the paper he was reading to wait until the cattlene was again turned on. A Article. lighting the manufactur-whole thing whole tains e you simply ght comes on, paper he was reading to wait until the acetylene was again turned on. A match was scratched, a button turned and the acetylene light was again on the job, demonstrating clearly its wonderful superiority over the coal oil tricity. We

lamp.
There are now no lamps to clean and
no lamps to fill in Mr. Brown's farm
home. There are no globes on lamps
to drop and break. There is no necessity in that home for any one to strain their eyes at night over school lessons

An Attractive Hall Lamp

An Attractive flait Lamp

Actylene chandeliers can be gotten for almost any price. Mr. Brown preferred to spend enough on chandeliers to have then ornamental as well as useful. This illustration shows how he has succeeded. or in reading the newspapers or farm

instration shows how he has succeeded. or in reading the newspapers or farm journals, or in other reading. All that is required with them now for this grand system of lighting, which they have, is the monthly attention to the generator; the rest is automatic, and requires only to be lighted.

"It's splendid!" was the verdict of every member of Mr. Brown's house-hold. We could not help but join with them in making the verdict in favor of acetylene unanimous. In order to give our readers a better idea of just how nice the lights and the chandeliers appear in Mr. Brown's house we took the photographs that we have reproduced here with this article. We also give a picture of the exterior of Mr. Brown's fine home, we feel about this as many of our readers do that there is nothing too god for the farmer and the dairy farmers who read Farm and Dairy can allord the best.

... Advantages of a Vacuum Cleaner

"Reader," Chateauguay Co., Que.

"Reader," Chateouguay Co., Que. Why did we get a vacuum cleaner? To save labor. We listened to a friend telling the advantages of a vacuum cleaner, of its wonderful gathering in of dirt, not only from carpets, rugs, couches, upholstered furniture, pillows mattresses, curtains and walls but that it could be used with equal success on heavy overcoats after a dusty drive.

He did not exaggerate. We find that when such a cleaner is frequent-ly used, no moths can destroy car-pets, as the eggs are drawn up, and pets, as the eggs are drawn up, and carpets do not need to be lifted un-less they required to be turned around to be worn evenly. Go care-fully over with the cleaner before moving the carpet and it is practi-

moving the carpet and it is practically clean.

There are several different designs of vacuum cleaners in this locality, and every one seems equally pleased with their make, and ally pleased with their make, and ally they have come to stay.

I would suggest that a few neighbors who have not tried the vacuum cleaner would join together and sequent would see acche (cooperation); it would be use each together and sequent joint would be a great advantage. And I venture to great advantage to great advantage. And I venture to great advantage.

Conveniences in Farm Homes

Isaac Holland, Oxford Co., Ont. Isaae Holland, Oxford Co., Ont. We have vsed a small gasoline engine in the basement of our house for over four years. It is used for pumping water from a large cistern into a supply tank in the attic. This tank in turn supplies the bathroom and kitchen with a never failing supply of water, which may be drawn warm or cold as we wish.

This engine is also used for run.

warm or cold as we wish.

This engine is also used for running the washing machine, it having
power enough to pump water and
run the washing machine at the sand
run the washing machine at the safe or loose
pulley on a small shaft the washing
machine may be started or stopped
without interefering with the motion
of the pump. of the pump.

In all the four years that we have used this outhit I do not believe that the cost for fuel to pump water and do the washing for a large family has been more than five cents a week. The only other expense has been for a few batteries fur the engine. This small expense is a great of easier to bear than the labor in deal easier to bear than the labor in deal easier to bear with pumping and wash-connection with pumping and wash-connection with pumping and wash-SMALL COST OF OPERATION connection with pumping and washing by hand.

ing by hand.

Another convenience in our home is the acetylene plant, which was installed at the time, building the house in the year 1902. The cost of lighting with acetylene lighting with acetylene very little more than with kerosenoy a little more than with kerosenoy a true with the word of lighting with acetylene to the word of light provided. The machine is simple to operate, and a few minutes about once a week will keep it in working order.

and a few minutes about once a week will keep it in working order.

The refrigerator also is a convenience that we could not very well do without. In it we keep meat, butter and milk fresh during the heat of summer. The ice is stored at small excess and with little labor when other work is not pressing.

Nails in Plaster

Nails in Plaster

There is hardly a householder who has not been annoyed when a nail he has attempted to drive into the wall will not hold in the plaster. While he merits the sympathy and kindly consideration of all persons who have been similarly upset, there is a way out of the difficulty that seems so simple his anger becomes absurd. The nail to be driven into the plaster should have a notch filed in it near the end on one side and another notch a little further along toward the head on the other side. When not he had not he other side. When a little further along toward the head on the other side. When not he had not he other side. When so he covered and then driven in place, he soon as the glue hardens it will become as firm as the plaster itself.



Biggest Thing in the Clock Business

Big Ben is the biggest thing today in e alarm clock business.

He is only two years and a half old, but he's already getting more work from the Dominion than any clock alive.

the Dominion than any clock alive.

In two years and a half time, 6,000
Canadian dealers have adopted him.
Nearly half of the families in Canada
leave it to him to call them up in the
comming; nearly half the families in
Canada use him all day long to tell the
Canada use him all day long to tell the
clock in or. He is really two good
clocks in or. He is really two good
clocks in or. and alarm.

Big Ben stands seven inches tall. He Big Ben stands seven inches tall. He is triple nick-plated and wears an inner vest of steel that insures him for life. His big, bold figures and hands are easy to read in the dim morning light. His lags, comfortable keys almost wind lags, comfortable keys almost vide in the solid every other was, there is no telling how long he will last.

Big Ben's price is \$3,00 anywhere in Canada. If you cannot find him at your dealer's, a money order sent to Westeles, La Salle, Illinsis, will bring him to you, carefully packed and duty charges paid.

BIG BEN

NOTICE

WHEN GETTING TWO COPIES Sometimes a renewal subscription is sent us but the initials are given differently. In this way sometimes two copies are being forwarded to the same person.

Sometimes a subscription is re-newed at a new address and the former address not mentioned. In this case we would send copies to both addresses and bills to the old

address.

If you are getting 2 copies, or will bills when you have paid up, there is some mistake. In this case please send us a card giving as much information as possible, so we can locate the error. Labels from the two copies will often help us. Many Thanks for This! Thanks for This!

FARM AND DAIRY



SYNOPSIS OF DOMINION LAND REGULATIONS

Any pesson who is the sole head of a family or on who is the sole head of a family or on the sole head of a family or on the sole head of a family or on the sole head of a family of the sole head of a family of the sole head of a family of the sole head of the

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HOMESEEKERS' **EXCURSIONS**

To Manitoba, Saskatchewan, Alberta

Each Tuesday until October 28 inclusive

points. Return limit two months.

Through Pullman Tourist Sleeping cars are operated to Winner without change via Chicago and St. Pi without change via Chicago and St. Pi without ing Toronto II.80 p.m. on above dates.

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(28)



CONCRETE SILOS CONCRETE SILOS
Liny size with the London Adnirable Silo Curbs. Send for
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tinery. Tell Concrete Maninery. Tell Concrete Maninery. Tell Concrete Maninery. Tell Concrete
LONDON Concrete
Dept. B. London, Ont.
Largest Manufacturers of
concrete machinery in
Canada.





Maybe you do not consider a wom-an's time and energy worth consider-ing. Maybe you honestly believe they never work hard. ing

Is the wife a little run down in

never work hard.

Is the wife a little run down in health and consequently cross to the children, and a little inclined to be offish to you? There's a reason. That tired feeling brings on these outward symptoms in spite of her noble effort to be cheerful and patient.

Gradually she has assumed the duty of doing the churning, washing, turning the hand separator, and of ourse running the sewing machine. It came so gradual, and she did it so willingly to allow you more time for field work, that neither has thought how much of a burden it really has become much of a further it really has become since the family has increased.

A gasoline engine would cost but

A gasoline engine would cost but little that could do all this work while little that could do all this work while she rested. You farmers want riding plows and harrow carts. That's right. You are not lazy—you are simply sen-sible. Then the woman is not lazy if You are not lazy—you are suble. Then the woman is not lazy if sible. Then the woman is not lazy if see at sat and watches an engine turn the churn, washing machine or separateg. It is only justice to her and the sphildren to make the housework as easy as possible, just as you would be glad to do for yourself.

A one and one-half horse power endown would do all these things. It woman would do all these things.

gine would do all these things. It could be set in some convenient place

could be set in some convenient place and shafted and belted to operate the different household machine. Your wife will say, '00, John, we can't afford it. I can get along with-out.' Fact is, you can't afford to break down the health and strength of the one you placed to love and honor. —Western Farmer.

... Sweeping Day Talk

Mrs. H. Lewis, Essex Co., Ont. Mrs. H. Lewis, Essex Co., Ont.

Few women in the country have
not had experience with the backbreaking and dusty task that
awaits them every week on sweeping
day. In the majority of homes a
certain day in the week is set apart
for sweeping and dusting the house
thoroughly. Some housewives make
a practice of cleaning the upstairs
one day and downstairs another. No
one day and downstairs another. No

for sweeping and dusting the house thoroughly. Some housewives make a practice of cleaning the upstairs an open and downstairs another. No matter what the system may be the work is trying. Sweeping day does not mean lightly running over the rooms with the broom, but rather necessitates the moving of furniture and the expending of considerable energ, in wielding the broom to the different able energ, in wielding the broom to the constaint of the different able energ, in wielding the broom to the different able energ, in wielding the broom to the different able energ, in wielding the broom to the different able energy in which wielding the broom to the different and state of the different and the different and the different and state of the different and the different and state of the different and different and different and different and different and different an

sweeper. I also notice a great difference in the amount of dust raised with the sweeper. No matter how careful one may be when using the broom the dist is very apparent, but this is lessened to a great extent when using the carpet sweeper. I certainly would not like to part with my sweeper now if I could not get another in its place. ther in its place.

150 AGRES Peterbore Farm

The property of the late Thomas Gibbs, 150 acres, Lot 18, Con. Otonabee, 6 miles south of Peter.

boro.

Good brick house with woodshed, carriage house attached. Evergreens and other trees make it attractive. Small orehard.

Good clay loam soil in good state f cultivation. Farm has been eavily stocked for years. 10 acres f good elm timber.

of good elm timber.

Well watered and well adapted for a stock or a dairy farm.

Three barns, two with stone foundations. Priced right for a good and early sale.

and early sale.

Adjoining the farm is a store, post office, school and church. For a good home and a money-making farm you should see this place. P. OSWALD GIBBS

Stewart Hall P.O., Ont.

CEREMOL

Contains abundance of Protein. Without protein in the no milk. All feeds contain some, but Ceremol carries so large a per-centage that it towers above all others as a

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Many Ontario farmers bear testimony to its magnellous results. Test Ceremol Yourself and watch the increase in the Milk pails and the Cream it produces. Free Samples and Prices from

Chisholm Milling Co. Ltd. TORONTO

TRADE MARK Wilkinson EGISTERED

PNEUMATIC ENSILAGE and STRAW CUTTERS

and STRAW CUITERS

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CRUMB'S WARRINER TANCHION



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is a miniatur ally small end a vest or hip thoroughly ble, practica photographic A Kodak on

only means fu folks, but ha Tells the story than any descr And the Vest every outdoor The size mak

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made simple a thing to get o always ready f fixed focus—bril finder-Auto-tim and unloads in Kodak film cart exposures-lustr finish. Right as justment and th every detail.

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Milk! Mil

This is the cry of th

about the young c happy 'cause he's g

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CRAMPSEY & KEL



Our "red circle" folder explains the wonderful "Monarch" farm engine, part by part. This engine will saw, punggrud, run cream separator, out slage. Move it from place to place. Everp part is made by experts, and made to last. Get our folder.

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Get "Emsievoed," no taoks required.

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An Ideal Green Feed Silo

Soon pays for itself

This is true whether you are keeping cows for dairy purposes or are a stock raiser.

for dairy purposes or are a stock raiser.

It has repeatedly been stated by some of the best posted authorities on farm economics that even if a dairyman or stock raiser had to be allo every year he would still be money ahead.

The property of the would still be money ahead.

It is users for the question about he advantage of erecting a silo. It insures for the transman a larger milk flow in the winter or during dry weather and takes the place of grass for sters or sheep during drought.

If you are considering the silo question, a little investigation must convince you that the IDEAL GREEN FEED SLO will give you the best service and keep your silage in the best condition.

All our silo staves are thoroughly air dried and then saturated with a solution which prevents rot and decay and adds many years to the life of the silo.

You will find our new silo book contains much information about the erection of silos and the many advantages of silage, and we will be very glad to send this book to any cow owner upon request.

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The Vest Pocket KODAK

is a miniature in size-actually small enough to go into a vest or hip pocket-but a thoroughly capable, durable, practical and efficient photographic outfit.

A Kodak on the farm, not only means fun for the young only means that for the young folks, but has an everyday, practical usefulness as well. Tells the story of crops, new buildings under way—stock and poultry for sale, etc., better than any description.

And the Vest Pocket answers very outdoor need to perfec-

The size makes it as conven-ient to carry as a pocket knife or watch—the fine quality of the meniscus achromatic lens the meniscus achromatic lens gives you pictures (size 156 x 2½ inches) of splendid defini-tion and as full of detail as the

The Vest Pocket Kodak is The Vest Pocket Kodak is made simple and strong—no-thing to get out of order—is always ready for use, has a fixed focus—brilliant, reversible finder—Auto-time Scale — loads and unloads in daylight with Kodak film cartridge for eight exposures—lustrous black metal finish. Right as a watch in adjustment and the refinement of every detail.

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Canadian Kodak Co., Ltd. TORONTO

Milk! Milk! Milk!

This is the cry of the city, but what about the young calf? Why, he's happy 'cause he's getting



CALF MEAL

That pure, wholesome substitute for milk, and you're happy 'cause you're making money as a result.

For sale at all dealers CRAMPSEY & KELLY DOVEROOUT Rd.

Resettessessessessesses **GRANGE NOTES**

Doings at Apple Grove

Apple Grove Grange, Middlemarch, County of Elgin, has had a remark-County of Elgin, has had a remark-ably successful season this past win-ter, partly due to a unique method adopted for getting the members in-terested, and having large and in-structive meetings.

In January last it was decided to

structive meetings.

In January and last it was decided to divide the meetings into eight groups. As there are low on time of each contained 13 members. The captains chosen were Harry Palmer, Edgar Welter, Carrie Futcher Hartie Robinson, Elva Wardell, G. Hattle Robinson, the blackboard prepared for the ser-ies and much enthusiasm was shown. Harry Palmer's group won, and were treated to ice cream the following

This plan was so popular that a This plan was so popular that a new set is now in progress, consisting of four groups, married and unmarried lades, and gentlemen. As the aumhers of these vary, the per cent. will be contact the close of the contest. Them are the leadership of these very the per the readership of the progress of the contest. The contest is the progress of the contest. The contest is the progress of the contest. The contest is the progress of the contest of the contest

nearly on per cens. Or user homors, and expect to do better yet.

COOPERATIVE BUYING

DUTIES and a shipped from Point Edwards as shipped from Point Edwards as shipped from Point Edwards as shipped from Point Edwards and Possess and Po

A beef ring is under discussion and is strongly advocated by many of the members. The only difficulty

of the members. The only difficulty found is in getting a competent butcher willing to understee the task of killing and dividing the beef. Willing and dividing the beef. This Grange has all the second of the control of the second of the se appointed to make the necessary arrangements for having a special Grange car. Forest Rose Grange Hall being about the same distance north of the city as Apple Grove is west, the members have been invited to join for the festive occasion.

SPECIAL PATTERN SERVICE

We realise the great interest that all of our readers take in the new great great and the second of the second of

BLOUSE WITH BODY AND SLEEVE IN HOUSE GOWN OR NURSE'S COSTUME, 7839 ONE, 7839



Unquestionably kimona sleeves will
mona sleeves
mona s Unquestionably ki-

This pattern is cut in sizes from 34 to 42 inches bust meas-





This pattern is cut in sizes from 54 to 2 inches bust measure.

COMMINATION CORSIT COVER, DRAW.

ERS AND PHITICOAT, 7814

Commination understand are almost when we must consider so carefully and core of built and core of the commination understand the core of the commination understand the core of the cor

tion.
This pattern is cut
in sizes for 34, 36,
38, 40 and 42 inches



bust measure.

So do and d linches

GIRL'S BATHING SUIT. 7838

Little girls always
little girls
little girls
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li

This pattern is out in sizes for girls from 4 to 12 years of age.



Just such a eimple, practical gown ple, practical gown ple, practical gown ple, practical gown and ple gown ple, practical gown plants gown pl

easy to adjust.

For the medium
size, 7½ yards of
material 27, 5½ yards
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ches wide, with 25
yard 27 inches wide
for the collar and
ours. The width of
the skirt at the lowthe skirt at the lowThis pattern is out
This pattern is out
inches bust measure.



FOUR-PIECE SKIRT, 788

FOUR-PIECE SKIRT, 788

The dounced skirt is always a prettly one and is expecially desirable just now wonderful variety of bordered materials offered. This time offered. This time offered materials offered materials offered materials offered the pieces and is ehappely pieces and in elements of the pieces and in the pieces

This pattern is cut in sisse from 22 to 30 inches water measure.

CLOSED DRAWERS FOR MISSES AND SMALL WOMEN. 7825

These drawers can be made with a barrier edges and cut force edges and cut force edges and cut force and cut fo



This pattern is cut in sizes for misses \$\frac{1}{2}\$ is and if years of age.

SHIRT WAIST OR BLOUSE, 7855

Shirt walste and simple blouses we must have. This one was the property of the pro

Place a slice of bread in a tin and put the cake on top of the bread, and it will keep the cake fresh and moist

SAVE

Your Potatoes From Rot this growing season

Spramotors

Will Do It!

tells all about it. There is: (i) The Knapmet Spryor, which you can use to fine advantage in your garden: (ii) The Knapmet Spryor, which you can use to fine advantage in your garden: (ii) The Barrel MacFard on the Spryor for small sprander to suffer it of the shown Fig. 7 of our Hand Book we grayer for small sprander to suffer it will be shown Fig. 7 of our Hand Book we grayer for some shown Fig. 8 for surface spraying: (ii) The Horse-Power Mackine that it shown Fig. 8 for surface spraying: (ii) The surface shown Fig. 8 for surface spraying: (ii) The surface shown Fig. 8 for surface spraying: (ii) The surface shown Fig. 8 for surface spraying: (iii) The surface shown Fig. 8 for surface shown Fig. 8 for

ARSOLUTELY GUARANTEED to work satisfactorily; they are the very best obtain-for the priculars. Full particulars and valuable instruction given in our Hand Book. Write me W. H. HEARD, Mgr. SPRAMOTOR CO., Ring Street, LONDON, Ont.

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The Massey-Harris Trademark gives a feeling of security when Harvest Days draw nigh.



F your Binder bears the Massey-Harris Trademark you can rest assured that your Harvesting operations will be completed ON TIME and to your entire satisfaction.

Harvest days are Busy Days-every minute counts, and a delay in the completion of the cutting may mean serious loss.

You can't afford to take chances-it's better to be sure

The Massey-Harris Binder

is known the world over for its Reliability,

This is no idle Statement but it is backed up by the experience of thousands of Farmers all over the World, many of whom have Massey-Harris Binders which have been in use from ten to twenty years and are still giving the best of satisfaction.

If you have never used one, ask your neighbor who has, and profit by his experience.

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Practical Farmers Who Have Made Money with Holsteins

youngest calves have a remarkably milky showing. They look as if they were making udders ready to calve. They are great doers, and while not were making udders ready to calve. They are great doers, and while not a curry comb had been on them when we saw them two weeks ago they looked as slick as if they had been curried. Even these younger calves showed veining quite remarkable. The Haloy Bros. asy they can tell a Tion Haloy Bros. asy they can tell as the state of th

should be fed that we can breed them at a younger age and still retain the size and standard."

size and standard."

It is to be regretted that the Haley Bros. have decided not to come out to the fairs this coming fall. They never before had so much good stuff, never before had so much good stun, and it in such good shape as now. At the time we visited them two weeks and it in such goods busys week. At the time we visited them two weeks ago they had set aside much of their good stuff, it having been purchased by Mr. P. M. Bredt, a noted stock farmer near Regina, Saak, Mr. Bredt came east after a herd of Hoisteins that when taken west would be second to none out there. In his selection of to none out there. In his selection of to none out there. In his selection to took from the Haley Bros. herds he is most assuredly "in right." If we were to offer any criticism to the Haley Bros. regarding their Holsteins it would be that they have been selling their stock too cheaply. They

steins it would be that they have been selling their stock too cheaply. They realize, however, that when they sell their stock reasonably and to goes out and does well, it does much to advertise them and thus make their business grow better and better. It is

ness grow better and better. It is always a jow breeder to get letters from a feel on breeder to get letters from a feel on the well the stock has done. Haley Breede their big share of such letters well the their big share of such letters. When it is good stock and the best in Holsteins that you want, either males or females, and either of the Haley Bros. have it available for you, it is a safe proposition for you to look it over and if it suits you, to buy it! It is a sare proposition for you to look it over and if it suits you, to buy it! The breeding of the stock is right, it has an enviable reputation, and the Haley Bros. have an enviable reputa-tion for using people right.

A Difference in Plews

What is the difference between the tubble and sod plow?—A. McD.

what is the difference between the stubble and soo jook—A. Men went stubble and soo jook—A. Men we wedge of such shape that it will shear off the furrow slice, pulverize and invert it. The function of the sod plow is morely to cut the furrow slice loose and invert it so that the sod may decay and disintrigate. Besides outting and inverting, the stubble plow has the additional function of pulverising. It requires less power to force a slender wedge to penetrate a substance than a blunt one, and since a tough than a blunt one, and since a tough shan decayed, the sod plow is made with a long, gently curving mold-board which inverts the sod with the board which inverts the sod with the stubble jow, being designed to pulverise, in the substance of mold-board which there wedge whose steepness of mold-board with a done at the condition of that sod pends upon the expense of a reasonable amount of power.

Warranted to Give Satisfaction (Continued from page 30)



Has Imitators But No Compatitors as imitators but No Competitors.
Safe, Speedy and Positive Cure for
Curb, Splint. Sweeny, Capped Meek,
Strained Tendons, Founder, Wind
Pulls, and all lameness from Spavin,
Eingbons and other bony tumors.
Zures all attin diseases or Parasites,
Tures all attin diseases or Parasites,
Bunbbs from Merces or Cattle.

Bunches from Horses or Cattle.

As a Human Remedy for Rhumatics,
Sprains, Sore Throat, etc., is is invalually
Every hother of Caussic Balana not in
Every hother of Cattle of Caussic Balana

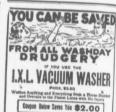
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From the Cattle of Cattle of Cattle

Bunch Sprain The Lawrence-Williams Co., Toronto, Ont.

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

FOR CHESTER WHITE SWINE, 6 to 8 weeks old, apply S. A. Caldwell, Billings Bridge, Ottawa, Ont.



Washes a Full Tub of Clothes in 3 Minutes Perfective Not Only Washes But Ringes and Blues SENT UNDER A MONEY-BACK GUARANTEE

Farm and Dairy Cet turn and mal coupon and your aame and address with \$1.50 to Dominion Utilities Manufacturing Co., Lts., 425 Main Revenue Co., Lts., 425 Main Revenue Co., Lts., 425 Main Revenue Co., 125 Main Rev

CATTLE AND SHEEP LABELS

Bise Price de 67 per de 68 P. G. JAMES, . BOWMANVILLE, ONT

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Breeder's Directory

Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines nor for less than air months, or 25 insertions during twelve months.

*********** YORESHIRE PIGS, all ages, either a Choice Young Boars, fit for service. A Bows of all ages, bred and heavy w pig.—H. C. Benfield, Woodstock, Ont.

FOR SALE-2 Sons of King Fayne Segis Clothide, from R. O. P. cowe. Also three Clyde Fillies and 3 Stallions, Yearlings R. M. Holtby, Manchester, Ont.

June 5 WH

PREVIOU used a cutting, etc \$2.00 a day engine, and or \$1.50 wor to spend a drawing wat

scarce and buy a gasoli chased an li gasoline, and satisfaction will run to line. We pa little over When work



line engine, ar

such as a saw only four or fi The first cos gasoline en with steam. the upkeep of connection wi us as our first lasted seven y newed. This s due to the fact tionary, under dry place.

THE P

My engine i storey stone bu The bui and is used as penter shop. at one corner of allel with the f overhead shaft by a pulley on wheels. On t connected by lathe, band saw for our own us grinder by the a lot of hard we to turn out ne handles, pulleys cultivator teeth ing straw cutte face a little with them on the grin the edge of the damaged by the

out as an emery
A two-inch sh
directly from tl
engine to the b on hangers, two floor. An inch from the end of 5. 1913

Retisfection.

alsam

Competitors

pped Hock, der, Wind om Spavin, ay tumors. Parasites, moves all ttle.

Rhsumatism, is invaluable.
alsam sold is a. Frice 31.50 or sent by exdirections for the originars,

Toronto, Ont.

DVERTISING WITH ORDER

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WARANTEE COUPON

ie and address sring Co., Ltd., ou will receive sarges prepaid money is to be hat is claimed

ARFLS 82.00 81.00 81.00

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ory ted at ar. No me nor or 26 ths.

WHAT A GASOLINE ENGINE DOES ON ONE FARM

W. C. Barrie, Waterloo Co., Ont.

WIAI A GASULINE LAUGH UNLS ON ONE FARM

W. C. Barrie, Waterloo Co., Ond.

Pased a steam operate ago we for 150 feet further through the barn. The shaft runs on roller bearings and cuttions of the shaft runs on roller bearings and very little power is wasted. The reaction of the shaft was the shaft runs on roller bearings and very little power is wasted. The reaction of the shaft runs on roller bearings and very little power is wasted. The reaction of the shaft runs on roller bearings and very little power is wasted. The reaction of the shaft runs on roller bearings and very little power is wasted. The reaction of the shaft runs on the first of the barn, and a heavy shaft front of the barn, and a heavy shaft front of the barn, and a heavy shaft front of the barn, and a heavy shaft is necessary to prevent twisting. At same shaft, but have had none since putting in the two-inch. On the shaft will run to the full capacity for 10 hours on front 18 to 29 galons of gasoline. We pay 18½ cents a gallon by the barrel, making an expediture of a little over \$3.50 for a full day's work. We do our own chopping with work. When running small machines,



A Combination Farm Workshop and Power House

The operations that Mr. W. C. Barrie, Waterloo Co., Ont., performs with his gaso-line engine, are many and numerous. He tells all about them himself in the ad-loining article. We have here an interfor view of Mr. Barric's power house, showing his work bruch as well as his engine.

showing his work bench as well as his ongine.

such as a saw or fanning mill, we use that was a saw or fanning mill, who are the first cost and the repairing on a fassoline carine is much less than with ateam. The principal expense in the upkeep of a gasoline cangine is in connection with the batteries, but clearing grain we run the chopper at that has been a very small item with that has deen it was our first batteries (six wet cells) lated zero, years without being renswed. This small expense for cells is due to the fact that our engine is stationary, under cover and in a very dryplace.

We fill our two silos with a corn award, under cover and in a very dryplace.

We fill our two silos with a corn award as used the engine to run a tionary, under cover and in a very dryplace.

THE FARM WORKSHOP

dry place.

My engine is situated in a onestorey stone building 30 feet from the
barn. The building is 30 x 20 feet,
building is situated
building is si

the same time and save gasoline in that way.

We fill our two siles with a corn cutter, driven by the engine. We have also used the engine to run a hay press. We have a rip saw in the barn, and when it is necessary to i barn, and when it is necessary to its a board or make a wagon tongue we can start the engine and have it to can start the engine and have it to Gur wood shad is 259 feet from the engine at the opposite end of the barn. When sawing wood we start the engine in the morning, and do not go near it until moon. We stop and start the saw by means of a slip jack.

EXPENSE VERSUS LABOR SAVED EXPENSE VERSUE LANDE SAVED

I believe that a gasoline engine does
away with a lot of the drudgery on
the farm and makes the work more
pleasant. We hardly notice the expense in connection with the oil and
gasoline when we take into consideration the labor saved.

Some people advise the use of a some people advise the property and the pumping cheaper than a windfull that is properly attended to.

Many people make the mistake of buying a three of rour horse power engine. It would not be used to to have a little extra power.

Ontario Wind Engine & Pump Companys LINES ARE SUPREME



Buy Service. Not Cast Iron

When you buy an Engine you want power; a Well Drill water; a Feed Mill, ground

feed; a Windmill, something that will stand and rive you service; the Tank that is tight; a Water System guaranteed to supply water.

Our business is the manufacturing of these lines. It has taken time, money and brains to produce what we are listing in this ad. It will pay you to get our catalanue

If your dealer does not handle our lines, write the ONTARIO WIND ENGINE & PUMP CO., Ltd., at Montreal, Toronto, Winnipeg or Calgary.



Economize on the Milk



Raise Healthy Calves Like These RAISE THEM WITHOUT MILK

You can do it with

CALFINE

"The Stockman's Friend"

(Made in Canada)

Now that milk is so high in price and sells so readily, it will be we to fred Galifne and sell the milk.

Califne has been most succeedfully used at Macdonald Gollege and Califne has been results wherever it has been tried. It is now in use In some of the largest and best equipped dairy farms in Ganada.

It will pay you to try Calinn. Ask your dealer for a 100-lb. bag of Caline as a trial. You will soon be back for more. If your dealer does not handle it write as direct. NOTICE -

If you would like to try Calfine, and cannot secure it from your dealer, send us a money order for \$2.75 and we will ship you 100 lbs, as a trial and pay the freight on same to any station in Ontario bouth and east of Sulbury.

Compare this price with that asked for other calf meals. (Surely ours is worth a trial).

Reeding instructions will be sent each reader of this paper who applies to us for them. Write us to-day and learn how to raise your calves at much less expense than it has been costing you in the past. Remember Calfine is made in Canada. You may no fancy price for it like you do for calf meals of foreign manufacture. There is no duty to pay when you buy Calfine.

BUY CALFINE and try it on those new-born caives of yours. It will pay you big to use Calfine for them.

DO IT NOW

Canadian Cereal & Flour Mills, Ltd. TORONTO, CANADA

HIS business was organized to manufacture telephone equipment for independent local and municipal systems. Right from the start our equipment made records for efficiency. It did not take long for our goods to acquire a reputation for quality and reliability. As a result our business has grown by leaps and

It is a well-known fact that we have been securing over 80 per cent. of the new telephone business in Ontario. The business too, has been secured with less effort than business secured by competitors. The satisfaction our telephones and equipment have given under all conditions has paved the way for easy business

To judge how fast our business is groving, you'll remember we stated in a previous announcement that our business last year doubled that of the year before. Well, this year the first two months' sales total more than twice the 1912 sales for the same period. More and more if is beine recognized by those in the local telephone business, that we are the legitimate people to deal local telephone business, that we are the legislimate people to deal with There are those in the telephone business who are interested in depreciation the success of the indexendent telephone movement and the development of municipal systems. On the other band, our business lies wholly and directly with the indexendent people telephone extenses, and it is to our own best interests to look after these systems well, so on their success depends the growth of our business.

If you would like a list of the large independent telephone sys-tems built in Ontario during the last twelve months, just drop us a line. We would be glad to send you a list of the systems, with the make of the telephones they are using. In fact, if you'll name over the large independent systems built during the last year in Western, Northern and Eastern Ontario, you'll find that nine out of every ten are using our telephones and equipment.

You are absolutely safe in equipping your system with our telephones. We guarantee them as regards material and workmanship. In fact, we guarantee all our equipment and materials. And in addition, we ofter to send our telephones for FREE TRIAL, so you can test and commane them with others right on your own lines before risking a dollar.

Ask for our No. 3 Bulletin—containing the latest information about building telephone lines—Also No. 4, describing our magneto telephones, is free on request.

SEND FOR A COPY

Canadian Independent Telephone List 24 Duncan St., Toronto, Canada

Take your worst horse, the one that eats its head off and yet doesn't gain flesh, feed it for a mouth with

MOLASSINE MEAL cut down the oats by half and replace that half with MOLASSINE MEAL well mixed with the oats. Do this regularly 3 times a day for a month and see what a change it will make. Try it on your cattle in the same way. Milch cows will give more sufficient and for a longer period. Pigs will be ready for the market three weeks earlier than when fed on any other food.

Levestock for resultarly with MOLASSINIM MEAL will fatten quicker on less feed. Working beauty will delicate and under work and will not chair from the harness as much.

De sure you set the Greenins MOLASJINE MEAL Forer has pears this Trode Mark.

Ask your dealer, or write us direct THE MOLASSINE CO. OF CANADA. Limited

ST. JOHN, N. B., MONTREAL AND TORONTO

267 \$1.10M X3

CANADIAN **Industrial Exhibition**

WINNIPEG JULY 8th to 16th, 1913

THE WEST'S PREMIED

Live Stock Show

FAIR RULES AND GENEROUS PRIZES

\$75,000.00 in Prizes

PURSES AND AMUSEMENTS

ENTRIES CLOSE JUNE 21st

Great Frontier Day's Exposition

The best attraction ever brought to any Western Exhibition or Fair. Bucking Bronchos—Out-law horses—Roughriders. The violent, the startling, Thrilling Indian scenes. See this thrilling spectacle at the

WINNIPEG EXHIBITION

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Buttermaker Wanted A capable man witr at least a year's experience. Wire or write particulars to

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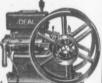
TORONTO CREAMEY CO., Ltd., TORONTO.



Smith & Richardson, Columbus, Ont.

GASOLINE ENGINES

11 to 50 H. P.



WINDMILLS Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Ste. GOOLD, SHAPLEY & MUIR CO., LTD. Brantford Winniped Calgary

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June 5.

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DELIVE

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strongest animal
years! DYER!
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35. 5-ft. 43.00 70-335A. 6-ft. 46.00 Mower DELIVERED AT YOUR STATION IN ONTARIO STRONGLY BUILT

STEEL SULKY RAKE

An Improved, Strongly-built Rake, up-to-date in every An improved, Strongly-built Rake, up-to-date in every way. It has steel wheels, dodge spoke, in either 8 or fort, widths. The 8-ft, width has 26 spring steel teeth. The 10-ft, width has 32. Where the teeth are attached angle steel is used. The shafts are so constructed that they can be used for either one or two horses as desired.

70-338A 8- 22.00 70-339A 10- 25.00 DELIVERED TO YOUR STATION IN ONTARIO

70-338A. 8- 23.25 70-339A. 10- 26.40 DELIVERED IN QUEBEC OR MARITIME PROVINCES

MANILLA AND SISAL **AVERAGING 550** FEET TO LB. PRICE PER 100

DELIVERED IN ONTARIO **PURE MANILLA**

AVERAGING 650 FEET TO LR. PRICE PER 100

DELIVERED IN ONTARIO FOR DELIVERY IN QUEBEC AND MARITIME PROVINCES ADD 30c PER 100 LBS. TO ABOVE PRICES

le draft. THE MAIN SHAFF AND GEARING—The shaft is made of the sharting. The main wheels are of good beight, and broad on face, the graring has only four wheels, and taken in connection with the stat when machine enoves the kniff moves, the lost motion being stop and the state of the state o HAY LOADER

56.50

DELIVERED TO YOUR STATION IN ONTARIO

DELIVERED IN QUEBEC OR MARITIME PROVINCES

WE GUARANTEE

LIMITED TORONTO CANADA

SATISFACTION OR YOUR MONEY BACK

PROMPT SHIPMENT

one that holds back the strongest animal, and lasts for years! DYER has it, guaranteed, 17c feer rod up, freight paid. Lawn 77c ft. Cut this ad out and in the fence Man. Dept. L. To the fence Man. Dept. L. To und to save dollars and I would to save dollars and I want to save dollars and I w ldre-ss. A one cent postal to me NOW may mean many a \$1 savi

MILK-COOLING

This Tank of our making is perfect as a Milk-Cooler. It wer milk to factory in the best and light. Novements water TANKS ition, is strong and light. Never gets water ed. Is CLEAN, SANITARY, DURABLE in be moved from place to place, or stored away, used for other purposes. Makes a good storage

STEEL TROUGH & MACHINE CO., LTD. 6 James Street, Tweed, Ont.



UR Stallion Policies, covering against loss by Death through Accident or Disease, are more liberal and afford more

clauses, having been drafted to cover the special conditions met with in this Country. They cover the norse no matter where he might be and not merely in his own stable, as certain Companies do. This is very important during All kinds of live stock insurance transacted.

the Breeding Season as the horse might die while being on the road. Do not take any chances by insuring with others, insure with us;

The insurance premium represents only a small proportion of the service fees earned. Better risk the loss of the premium than the purchase price of your beast if it dies without insurance.

Better have and not need than need and not have.

Write for particulars and address of nearest agent.

THE GENERAL ANIMALS INSURANCE CO. OF CANADA,

Head Office: 71a ST. JAMES STREET. MONTREAL, Que.

STOP! HERE'S A DYER FENCE!"

protection to owners than any issued by Competing Company. They contain no vexatious

LTD.

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This Engine Runs on Coal Oil

Series also also a UII CVGI VIII

Brery farmer can afford an Hills coal Oil Regine. They give far more power from coal oil than other engines do from ganoline. They are safe, as well as obsays no danger of explosion or fire. They are safe, as well as obsays no danger of explosion or fire. They are safe, as well as obsays no danger to explose for the part. Anyone oan run it without explose for out of repair. Anyone oan run it without explose for the food customers use these engines to grand food ill sides awe wood, grump, thresh, run cream separators, and do nem. Fill up the tank peaper than horses or hired men. Fill up the tank peaper than horses or hired further attention is necessary; it will run till year step it.

FREE TRIAL PER SO DAYS. You don't have to take our word for it. We'll and an engine anywhere in Canada on Thirty Day? Free Trial. We furnish tail instructions for testing or your work. If it does not mit you snot it back at our orpease. We pay freight and duty to get it to you and will pay on sit it back if you don't want it.

Absolutely fluaranteed for 18 years. Write for free catalog and opinions of satisfied users. Special offer in new territory.

S to 15 horse-power
We pay Duty and Freight Ellis Engine Co., DETROIT, MICH.

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Gilson Manufacturing Co. 302 York St., Guelph, Out.

Say you call up a neighbor now and ask him to subscribe!



This Year Own These Haying Helpers



Decide that you'll no longer labor under a handicap at haying time. Secure the services of these

Frost & Wood Haying Helpers-Giant 8 Mower and Tiger Auto Dump Rake. For twenty years and more these efficient having implements have saved time, money, labor and horseflesh for thousands of progressive Canadian Farmers. Think of the next score or more having seasons.

Giant 8 Mower Tiger Rake & Wood

"fair-weather" machine. It's right there with the power and cutting ability when other mowers are apt to fall down. Put it to work in a heavy or tangled crop and watch how easily it handles the job. You can start it anywhere in the field and the knives will begin cutting the instant the horses move forward. "Flying starts" are not necessary. are not necessary.

The Giant 8 has great driving power because of the simple and compact arrangement of the gears. Smooth-running and light draft are assured by a plentiful supply of large roller bearings. The cutter bar is protected against wear by steel plates. Large bearings—not pins—are used for the connection between cutter bar and

At every point, in its construction, is put the skill

and knowledge gained in over 70 years' experience in building farm machinery to meet Canadian conditions.

The Tiger Automatic Dump Rake is the best sully rake made. It has given satisfaction for many haying seasons. The teeth are shaped to do the most efficient work. They are made of a special grade of steel, that has proven by test, the best adapted to withstand heavy work and severe usage.

Strongly constructed throughout, is the Tiger Automatic Dump Rake. It is a rake that will pay you large dividends of satisfaction at haying time. When you require anything in the way of farm equipment remember our agents can supply your wants. We have catalogs describing and illustrating the different lines; they are cheerfully mailed free for asking. Let us send you one to-day.

For Sale in Eastern Ontario, Quebec and the Maritime Provinces by

The Frost & Wood Company, Limited, Smith's Falls

In Western Ontario and Western Canada by Cockshutt Plow Company, Limited, Brantford, Winnipeg

"Branches and distributing warehouses in all the larger centres.

"Ask our local agent, or nearest Office for further particulars."

June 5, 1 HOLS Lyndale

Brown Bro

SPRIN Holsteins a

Fairview Ko utter record, a 30 days. A bull end his er and sister sire of the bs. butter in se. For sale, old, mostly dam. A fe ifters for sale Korndyke or A. C. F

PURE HOL FOR 2 Young Bulls, 1 y off 1913 from first Prices casy. We room for other sto

GEO. A. ROBERTSO Line 2. B

James

KING SEGIS PON

J. ALEX V

RIVERVIE

9 Young Bulls, fro lired by King Isabe ister, 5 nearest offici ister of his dam, an ire average for the 8.0.M. and R.O.P. J. SALLEY, LACH

ELMDALE DAIR ORSALE—Two choice I ad by Paladin Ormsby, ai ired by Paladin Ormsby, ai tra, 2-year-olds up to 29 1.80 hs. butter in 7 days. No.1 Dam, R. O. M., 432 er is 7 days. Full sister to 1004, 335 hs. milk, 16.13 ho 1005, 335 hs. milk, 16.13 ho 1007, 335 hs. milk, 16.13 ho 1007, 335 hs. butter in 7 dr saik, 16.63 hs. butter in 7 dr FOF prices FRED CARR BOX

YOUNG COWS A HOLSTEIN

afe in oalf to a son of loi the 2nd's Butter B Also Yearling Heifers Bull Calves for spring W. W. GEORGE,

Avondale Sto Avondale St.
A. C. HARDY,
HERD 31
Prisse Hongered Pt.
Live, Pietle Trind w
Dam, Frinces Hong
Dam, Frinces Hong
Highest record daught
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HOLSTEINS Lyndale Holsteins

We are now offering Bull Calves from 1 couch to 7 months old. All are from of-gal record dams and sired by some of the greatest bulls in Canada.

Brown Bros., Lyn, Ont.

SPRING BROOK Holsteins and Tamworths

A. C. HALLMAN,

RDESLAU. WATERLOO CO., ONT.

HOLSTEINS

FOR SALE

1 Young Bulls, 1 yr. old, also 4 Calves
off 1913 from first-class stock.

Troce casy. We have to get more
room for other stock. GEO. A. ROBERTSON, ALMONTE, ONT Line 2. Rural 'Phone.

James J. Hill SAYS

The tendency to buy everything as cheaply as ossible is the worst kind of economy. It is ifficult to convince some men of this fact but then they once realize it, they are on the true

The same principle that governs a rail KING SEGIS PONTIAC KONINGEN In head our herd. Not how cheap, but how good. Life is too short to use a poor bull, Service fee \$25.00 to approved cows only.

J. ALEX WALLACE Lynn River Stock Farm, Simcoe, Ont.

RIVERVIEW HERD

BAT WARLY RAG WE DONNERS TO THE BUILD FOR TH

ELMDALE DAIRY HOLSTEINS ELMDALE DAIRY HOLLSTEINS FORSALE Twochoice Full Classes, light rectored, in Figure 19 to 20 lbs., and one Sycar-old, in Sprancisks up to 20 lbs., and one Sycar-old, No. I Dam. R. U. H. 1821 lbs. milk, 10.37 lbs. but-ris if skys. Full sister to calf, R. O. M. at 2 yrs. 100, 100 lbs. milk, 16,13 lbs. butter in 7 lays. 100 lbs. milk, 16,13 lbs. butter in 7 lays. 2 Dam. R. O. M. 468 lbs. milk, 11,13 lbs. but-let of 2 Dam. R. O. M. 468 lbs. milk, 11,13 lbs. but-let riser in 100 lbs. milk, 100 lbs. FRED CARR BOX 116, ST. THOMAS

YOUNG COWS AND HEIFERS HOLSTEINS of different

afe in oalf to a son of the great bull De kel the 2nd's Butter Boy the 3rd. Also Yearling Heifers, and Heifer and Sull Calves for spring delivery. Write

W. W. GEORGE. · CRAMPTON, ONT.

Avondale Stock Farm

HOLSTEIN-FRIESIAN NEWS

Farm and Dairy is the official organ of The Canadian Holstein Frieslan Association, all of whose members of the Association are invited to send the Association are invited to send tiems of interest to Holstein proceders for publication in this column.

OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS, May 1 TO 15, 1913.

Full Age Class

Full Ade Class.

J. Jenny Bonerges Ormsby, 5216.
Thirty-day record, by 18m 56d., 2,550,0 lbs.
Thirty-day record, by 18m 56d., 2,550,0 lbs.
Thirty-day record, by 18m 56d., 2,550,0 lbs.
Thirty-day record, 50 m 18m 1100 lbs.
Thirty-day record, 50 m 18m 1100 lbs.
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Thirty-day record, 50 m 16d, 500,1 lbs.
Thirty-day record, 50 m 16d, 500

692 of Ibs. milk, 22.02 lbs. fat, 27.55 lbs. butter,
Thirty-day record, 5y. Him. 25d.; A655.4 lbs. milk, 195.6 lbs. fat, 11.17 lbs. butter,
Owner; Lakeview Farm, Bronte, Ont.
Owner; Lakeview Farm, Bronte, Ont.
Owner, Lakeview Farm, Bronte, Ont.
Sep. 41 bs. milk, 12.6 pt. 186.6 kps. milk, 19.59 lbs. fat, 24.36 lbs.
Fortilla bokol Sarcastic edge, 3y. 2m.
5 Fottilla bokol Sarcastic edge, 5y. 2m.
26d.; 586.7 lbs. milk, 19.27 lbs. fat, 24.96 lbs.
Dutter, Owner; O. Duff, Nelles, Boston, Owner; Owner

sea. Inc. milk, 16:21 hbs. fat, 20.56 hbs. but.
Ont.
Ont.
Ont.
And State Control of the State

Senior Four Year Class

1. Lady Inka Mercedes, 11291, 4y. 9m. and 136 st. 18 milk, 25.47 lbs. fat, 25.34 lbs. Otto. Otto

Junior Four Year Class

1. Calamity Teake DeKol, 11211, 4y. 3m.
3d.: \$72.1 lbs. milk, 18.77 lbs. fat, 23.47 lbs. butter. Owner: Laidlaw Bros., Aylmer. Ont.

Senior Three Year Class Senior Three Year Class

1. Lady Summerville DeKol, 13850, 3y, 10m, 9d.; 5175 lbs. milk, 2049 lbs. fat, 25.61 lbs. butter.

Thirty-day record 5y, 10m, 9d.; 2,290.3 lbs. milk, 61,31 lbs. fat, 10.44 lbs. butter.

Owner: 6. S. Gooderham, Bedford Park, Ont.

(Continued on page 38.)

Where Can You Beat Him?

Or Elsewhere get his like?

(An advertisement by Chas, C. Nixon)



Both on his Sire's side and on his Dam's side this great bull, King Lyons Hengerveld, has the greatest of breeding.

In his pedigree you find a very fair history of practically all of the best in Holstein blood.

Through his Dam he traces three (3) times to Johanna DeKol Van Beers—one of the greatest cows that is, - she having made over 40 lbs, butter officially in 7 days.

On His Sire's Side this great bull, King Lyons Henger, weld, has Blanche Lyons De Kol. grand-dam (average fat 4.8%), abe being the butter in 7 days, (average fat 4.6%) of 7 kuline Lyons De Kol. Blanche, Dutter in 7 days (average fat 4.6%) of 7 kuline Lyons De Kol. Blanche Lyons Rotterland, M7] buller, and Konig Blanche Lyons, sire of Bettle Lyons Netherland, M7] buller, and Konig Blanche Lyons sire of M3 buller, and Blanche Lyons Netherland, M7] buller, and Blanche Lyons Netherland.

5.55 its. butter its r mays.

Then his sire is a grandson of Hengerveld De Kol. sire of 116 A.R.O. daughters, 8 with over 30 lbs, and 49 groven sons; and his grandeire's daughter, 114 late of Olchlide, 11.39 lbs butter, and dam of Addie Hartog Clothlide, 25.50 lbs. at 4 years.

On His Dam's Side this great bull, King Lyons Henger veld, has Blanche Lyons Johanna (average fat 4%); Blanche Lyons Netherland (his grand-pars, 34% lbs. butter, she being dead Betta Lyons Netherland (his grand-pars, 34% lbs. butter, she being dead but Lyons (herberland, dr.) butter in John Kate Clifden Netherland, dr.) butter in John Kelerland, dr. Stone Stone Blanche Lyons, sign age. Then the sire of his grand-dam is Sonig Blanche Lyons, sign age. Then the sire of his butter in 7 degs.

Moreover, in addition to all of these 30-lb, cows, this great's bull King Lyons Hengerveld traces to big noted cows, not shown in his pedigree, including Colantha 4th's Johanna, the world's record yearly work cow, and Johanna DeKol Van Beers as mentioned in the foregoing.

The calves from this great bull you can spot amongst a hundred wherever you see them. They are carried out in width wonderfully behind—have great strength and depth—are long and open, ar.' of very superior Holstein type.

They are breedy looking individuals. You see they have the backing. You see from the picture above that their sire is an excellent individual. These calves must make good even as their dams and sires have made good.

This bull, as you see above, cost us a lot of money. Several of us, however, went in together and got him. Our company owning this great bull includes: Clarence Bollert, J. Leuszler, Elias Ruby, Jacob Mogk, and H. Bollert, of Maple Grove Farm, favorably known to leading Holstein men for the past generation.

A few calves from this great bull, King Lyons Hengerveld, we offer for sale.
We can suit you with what you want from amongst our members, and save you

Come to Tavistock if you want THE BEST and ask one of us to show you around. (Don't come unless you can use the best, or are interested in it!) Write for particulars on what your want, or MAKE AN APPOINTMENT for one of us to meet you and show you around.

H. BOLLERT, R. P. TAVISTOCK, ONT.

LYN

CAMPBELLTOWN HOLSTEINS

This week we offer Bull Oaf, born April 2at, 1913. A dandy, nearly white in color. Sired by the great young bull, Korndyke Veeman Pontiac, and out of a good daughteen Pontiac, and out of a good daughteen Pontiac, and out of a good daughteen Pontiac, who now has it is decreased to the property of the p R. J. KELLY, . . TILLSONBURG, ONT.



HOLSTEINS

Herd | "KING SEGIS PIETERTJE" Sires "FINDERN KING MAY FAYNE" dams of these two sires average over 32) bs.

dams of these two sires average over 32) bs.

day, official test. Get your next young from my herd—best by test. One animal arioad lots (Farm only 40, ods from station) or carload lots (Farm only 40 ...ods from st Write, L, H. LIPSITT, Straffordville, Ont. Proprietor, Forest Ridge Ho

R. F. HICKS. NEWTON BROOK, YORK CO.

FAIRVIEW FARMS HERD

Some of PONTIAO KORNDYKE, ready for service in the near future or younger, some bid daughter of BIR JOHANNA ODLANTHA GLADI, whose three first some transparence of the property of the propert E. H. DOLLAR, HEUVELTON,

NEW YORK

Hollow

Everlasting

Silo

Tile-Steel Reinforced

NATCO EVERLASTING SILO

Our Illustrated Silo Book

NATIONAL FIRE PROOFING COMPANY
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HEREVER there is writing to do there is need for a typewriter. Handwriting is too laborious, and besides, all business men today expect to receive typewritten letters.

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MARKET REVIEW AND FORECAST

Toronto, Monday, June 2—Gool weather still continues to seriously interfere with trade. Weather bureau experts toil us that May of this year is one of the coldest that May of this year is one of the coldest interfere with husiness also continues to interfere with husiness are counts that are perfectly safe are not be-ing paid.

COARSE GRAINS

ing paid.

The coarse grain market continues quiet, the natural males being being under the paid of th

5. 97/62 No. 1 feed, see; corn, 35/5c to 560; barley, multing, sit to 860; feed, 560 to 86/5c blockeds.

LIVE STOCK

Dealers aren't shipping any surplus cattle nowadays, because there is none to be the nowadays, because there is no the nowadays, because there is a tendency contained to the nowadays of the nowadays of

domand is active at \$9.55 fo.b., and sows. \$8 f.o.b. BARY PRODUCE.

Dairy produce continues right stody at high levels, even as near right stody at high levels, even as the right stody at high levels, even as the production, it is believed, will be even from production, it is believed, will be even from an in 1917. The continues of the production of th

280: solide. 28 to 28 cand inferior, ile to 210. Cheese quotations are: Twins, new 1. Cheese quotations are: Twins, new 1. So to 150: old twins, 150 to 150: large, 150. In 150: large, 150: large, 150. In 150: large, 15

at 11%c.
Brockville, May 29.—Offerings, 2,160 whit
and 1,308 colored. The sales were 47
white and 460 colored at 12c.

A WONDERFIL CANALIAN REPORTED THE REPORTED FOR THE PRODUCT OF THE PROPERTY OF

7% BONDS

PROFIT-SHARING Series \$100, \$500 and \$1000 TERMS 5 YEARS

Withdrawable after one year Send for special folder

NATIONAL SECURITIES CORPORATION LIMITED Confederation Life Bldg. TOPONTO

OXFORD DISTRICT The Holland of North America

Ine Holland of North America

Is the place to buy Holateins of quality.

The Third annual sale will be held in the city of Woodstock on March 25th 198.

Full list of breeders in the Oxford District with post office and station addresses set on application to: J. KELLY, SECY., TILLSONRING OF

Tamworths For Sale

Boar, ten months old Boar, six months old Four Sows, six months old A Number of Pigs, two months old. Write for prices.

DUNCAN MACVANNEL, ST. MARY'S ON.

AYRSHIRES

Burnside Ayrshires

Winners in the show ring and dain tests. Animals of both sezes, imponsi or Canadian bred, for sale, Long distance 'Phone in house.
R. R. NESS. - HOWICK, QUE

Ravensdale Stock Farm

PHILLIPSBURG, QUE. Special offering of Bulls, fit for service.

W. F. KAY, M. P., Proprietor.

ANGLEWYLD AYRSHIRES ANGLEWYLD AYRSHIRES
The light bestime herd Average use
The light bestime herd Average use
Chooled by her per cost butterful
Chooled by her per cost butterful
Chooled by her per cost butterful
College by Boyal Star of Bonnie Bras, a
con of the champion B.O.P. butterful
College by Boyal Star of Bonnie Bras, a
con of the champion B.O.P. butterful
B.O.P. dams.
If you want high-class Ayrshire
write or come and see
write or come and see
write or come and see
for the boyal Boyal Boyal Boyal
College Brown Boyal
College Brown Boyal
College Brown Brayles

AYRSHIRE CATTLE AND YORKSHIRE PICS AYRSHIRE GAILE AND TURNOBHIRE FIRE POR BRIDGE AFFAIRMEN GAIRE AND BRIDGE GROWN AND BRIDGE GROWN AND ARREST AFFAIRMENT AND ARREST ARREST AND ARREST AND ARREST AND ARREST ARREST AND ARREST

JERSEYS

We have for sale 4 Yearling Bulls red; r service; 4 Yearling Heffers; Calva th male and female; and females of all ages.
Visit our herd (44 cows now milking).
Write us about Jerseys you want.
D. DUNCAN, DON P.O., ONL.

High Teeting S. LEMON. . HOLSTE

FERND.
Good Korres. which may ke K.
doing nicel
he heifers f

FIERHELLER

Lakevie

these bulls, or F F OSLE

Elmcrest Bull-No. 1, Bo

Bull—No. 1. Be marked. Dam, Canadian Oham; canadian Oham; rear-old. Recoi milk 456 lbs., b 851.5, butter 42. butter 39.65. Six Posch, 6960—27.50 stakes cow, Gue 8259 gets him f Bull Calves, cle W. H. CHER



Also Bull and WM. HIGGINSO

North S Bulls ready for dame, sired by a 4th, record of 26 lbs. in 30 days, days eight month record in Canada. Also Females, a W. STEWART.

Ourvilla I July of service you want them advise you to be Colantha Sir Abcaives left. Bot and 23.06 lbs. 4 yiduals 4 month LAIDLAW BI

HAMILT DAIR

The Home of Lui Record Senio

WE SELL BULL CA

and A Bull Rea

Write or come His Pedigree s THE PRIC

D. B.

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***** IAN RECORD evens, Philipseted an office of 184 lbs. of fur even do a This of an living 30 day record is beating the beating the this great retring and Dairy and Dairy and Dairy

IDS RING nd \$1000 ARS ne year

IRITIES IMITED e Bldg. TRICT

folder

NBURG. OV or Sale ths old ths old

MARY'S ONL ES Shires and dairy

WICK, OUR k Farm UE. for service. roprietor.

HIRES erage test tter-fat, and Bull tie Brae, a butter-fat and from Avrshires AY, ONT. Drayton

HIRE PIGS and Bulk. Pige, \$5.00 All the colk. Send ctions re INTON, Mas. Que.

AD STRAN Sulls ready s: Calves, ales of all milking). P.O., ONT.

HOLSTEINS LYNDEN HERD

High Testing Holateins for sale. One all, iyear old. Sire's dam Luiu Glaser, 77 lis. butter, 7 days. Dam a richly red, uniested 2-year-old. Price, 855. Also all Calves from large record dams all calves from large record dams of and upward. Also two 2-year-old effers in milk Write or come and see effers in milk Write or come and see s. LEMON. . LYNDEN. ONT.

HOLSTEINS FOR SALE

LSTEINS FOR SALE FERNM cod Korndy & Bulls left, also 1913 which will complete our last lot of year. When we have 15 extra good helfers for sale. This lot is nicely d and in line condition. Will freeling now on. Lome and see them! FIERHELLER BRGS., MT. ELGIN, ONT.

Lakeview Holsteins

Buil calves only for sale for the pre-sent, sired by Count Hengerveld Payne De Kol or from his daughters and sired by Dutchland Colantha Sir Mona-Write for extended pedigrees of these bulls, or come to Bronte and see the herd. Visitors always welcome.

E. F. OSLER, BRONTE, ONT.

Elmcrest Stock Farm

Elmcrest Stock Farm

Bull—No. 1. Bern April 6th. 1913. Nicely
marked. Dam, Netherland Faforit, 1476.
Canadian Olhampion—39-day senior twomills 450 lbs. butter 216; 154 days, mills
835. butter 42.70; 30 days, milk 1,854.2,
butter 24.65. Brx, son of Olive Schuling
840 lbs. butter 216; 154 days, milk
835. butter 42.70; 30 days, milk 1,854.2,
butter 82.65. Brx, son of Olive Schuling
835. pet 1 min fo.b. Also two other fine
Bull Calves, closely related to No. 1.
Preed moderate. Send for photos. W. H. CHERRY, GARNET, ONT.

HOLSTEIN BULLS 2 Bulls, rising 2 yrs., grand-sons of Pontiac Korndyke, and 3 rising 1 yr. old from other sires.

Also Bull and Heifer Calves. Females. WM. HIGGINSON, INKERMAN, ONT.

North Star Holsteins Bulls ready for service, from R. O. M. dame, sired by a son of Natoye De Koi leb, record of 25.12 lbs. in 7 days, 106.23 lbs. in 30 days, and nearly 21 lbs. in 7 days eight months after calving—largest record in Canada.

Atto Femnles, any age, excepting heifer

calves. Ourvilla Holstein Herd

Ourvilla Holstein Herd
Buils of serviceable age all sold, if
you want them from here we would
advise you to buy young. Only two
Colantha Sir Abbekirk and from 22.17
ceives left. Both are by Dutchland
and 23.68 lbs. 4-year-olds. Grand indiriduals 4 months old.

LADLAW BROS... Aylmer. Ont.

DAIRY FARM

The Home of Lulu Keyes, the World's Record Senior 2 Year Old Cow

WE SELL BULLS AND BULL CALVES ONLY and offer now

A Bull Ready for Service

Write or come to see him. His Pedigree showing High Records THE PRICE IS RIGHT

D. B. TRACY COBOURG, ONT.

-We Won't Appear Again-

Evergreens Keyes



14.83 R.O.M. as a Yearling Handsome IS & Handsome DOES



Just-18.02 at 2 une Sweet, Neat & Productive

Velstra Triumph-"The Proven Sire"



"Ha! Ha! Right at Home in the Heart of the Family"
"My Daughters will Tell, For How Much I Should Sell"

De Kol Triumph

Velstra Triumph De Kol



Daughters



"Who said 40-lb. Cow?"

YOU KNOW "May Echo" in her prime was priced at \$150, as a 10-year-old she brought \$1475 at public auction. "May Echo Sylvia" sold as a yearling for \$75, as a 2-year-old for \$1000. The great "Pontiac Rag Apple" was a \$250 heifer; but as a 4-year-old she sold for \$8000, while an initial outlay of a modest \$125 by young Mr. Jones, secured the dam of "Spring Farm Pontiac Lass" while carrying the \$10,000, 44-lb. world-record beauty. "Each multiplied the original price by making a record of phenomenal production."

HISTORY REPEATS Take a Tip—Size up this "Velstra Triumph" Bull. Come to the Geo. W. Anderson Dispersion Sale on June 12th. See Velstra's Daughters and Gr-daughters. When they have impressed you, also, with their ability to deliver the Goods—BUY!!! BUY IN AD-VANCE OF THE RECORD! DECISION means WEALTH!

N.B.—Catalogue gives full information. For accommodation of visitors by train free 'bus will leave hotel "Quinte," Belleville, at 8 and 11:30 a.m. Every effort will be made to make your visit to "Evergreens" profitable and happy. Remember this is the CLOSING-OUT Sale of a BREEDER. The 'one' you want is here. Bids 'wired' or by mail to any of the following will receive same consideration as if buyer were present.

Geo. W. Anderson, Prop., Rossmore, Ont.

NORMAN MONTGOMERY, Auctioneer WOOLER, ONT.

G. A. BRETHEN, Sales Manager NORWOOD, ONT.

(38)

OFFICIAL RECORDS OF HOLSTEINS (Continued from page 35)

2 Nellie Jane's Empress of Lyn D 14812, 3y, 9m. 14d.; 322,7 lbs. milk, 12.43 fat. 16.54 lbs. butter. Owner: Empey Bi Chesterville, Ont.

Junior Three Year Class

utter.
Fourteeen-day record, 3y, 1m. 28d.; 935.23
s. milk, 31.15 lbs. fat. 52.93 lbs. butter.
wher: Jos. Kilgour, Ed. 100 lbs. fat.
4. Emma Pauline Dekol. 1603, 3y, 2m.
1, 522.1 lbs. milk, 16.07 lbs. fat. 20.09 lbs.
tter. Owner: Lakeview Farm, Bronte, nt.

June 9, 1910 June

Import Fees for Holsteins

Import Fees for Holsteins
Apparently a good many projects of
Holsteins are still unneare of the fee
that there is a fee for an Import Certic
cate for every pure-bred animal imported
into Canada. This clears the animal
into Canada. This clears the animal
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A Holstein Pure Bred of Excellent Type and Grand Promise

A Holstein Fure Bred of Excellent type and Grand Fromise

"Nobody knows me. I am Snow Drop's Pearl, a cow that sever had a chance
until I came to Campbelltown Farm, Tillsenburg, Ont., under such as the sent owner, Mr. B. J. Kelly, who is giving me an opportunity and under
make a name for myself yet." Mr. Kelly, whose farm is located part of it withis
the limits II. But Sorn of Tilesnburg, Ont., has a splendid head of Holstein. See
Farm and Dairy Holstein reading columns, page 35, last week
Farm and Dairy Holstein reading columns, page 35, last week

lbs. butter. Owner: Fred Carr. 8t. Thomas,
Ont.

Junior Two Year Class
Junior Troo Year Class
Association was received by the Secret.

1. Greta Faforit Posch. 18289, 2y. Jm. tary. 1. Greta Faforit Posch, 18289, 2y. 3m 20d.; 403 0 lbs. milk, 15 21 lbs. fat, 19.01 lbs butter. Owner: J. H. Taylor & Son, Scot-land, Ont.

land, Ont. 2. Ourvilla Abbekerk, 18788, 2y. 1m. 10d.; 303 3 lbs. milk, 13 24 lbs. fat, 16.55 lbs. butter. Owner: Laidlaw Bros. Aylmer, Ont. 3. Jennie Pietertje Teaise, 2349, 1y. 11m. 25. 25 lbs. milk, 12.23 lbs. fat, 15.28 lbs. butter. Owner: Frod Carr, St. Thomas,

6. hassy 13.3 lbs. murs.
6. hassy 13.3 lbs. murs.
1bs. butter. Owner: Leidiaw browner,
1bs. butter. Owner: Leidiaw browner,
7. Nellie Alen Ormsby, 25430, ly. 1im.
264.; 3837 lbs. milk, 11.00 lbs. fat. 1576 lbs.
1bs. butter. Owner: Fred Carr, 8t. Thomas,
1bs. butter. Owner: Fred Carr, 8t. Thomas,
1bs. butter. Owner; Fred Carr, 8t. Life lbs.

Zaida Allen Ormsby, 23418, 1y. 11m.; 282.7 lbs. milk, 10.94 lbs. fat, 13.67 lbs. ter. Owner: Fred Carr, St. Thomas,

ANENT TANGLEWYLD AYRSHIRES

ANENT TANGLEWYLD AYRSHIRES

Bittor, Farm and Dairy.—We have he good sales are also and a second a

11. Dorris Dakol Posch, 1994, 1y, 190n. 3d.; 3d. 18 hm. Illi, 900 lbs. fat, 11.35 lbs. butter. Owner; J. H. Taylor & Son, Scotland, 11.5 lbs. butter. Owner; J. H. Taylor & Son, Scotland, 11.5 lbs. butter, Owner; J. W. Richi, 11.3 lbs. butter, Owner; J. W. Richi, 13.4 lbs. milk, 24 lbs. fat, 11.6 lbs. milk, 24 lbs. fat, 11.6 lbs. butter, Owner; Roy Nevill. Straffordville, John Charles, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Force and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Force and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Force and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Force and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. fat, 10.75 lbs. and Force and Posci, 11.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevill. Straffordville, John Posci, 10.5 lbs. butter, Owner; Roy Nevi

The Record-Breaker

THE STANDARD Cream Separator has justly been named "The Record-Breaker" by cream erics and dairymen. It has certainly made standard the standard st



at the Eastern Dairy School at Kingston, and at the Kerwood Cheese and Butter Factory, were pub-labed a short time ago. The proved, conclusively, the control of the control of the control of the for close skimming. The Benarator was unequalide for close skimming. The present of the control of the Benarator a face, webclieve, all Canadian Dairy-tee and the control of the control of the control of the akimming records established not familiar with Cream Separator write us. We will gladly send you particulars.



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June 5 *****

OUR ! PRINC

KENSINGTI very o'ld an completed. hay se clow going o completed. hay se clow going o'ld the completed of the completed of the completed of the complete of the

DANVILLE, warm weathe lately it has frosts. We ha putting in the well; plenty now. The cat most of the order to be a fall ore apple trees a mig for \$11; t \$15.—M. D. B.

NORTHI NORTHUM
WICKLOW,
been very famous Stock
being plentiful
farmers are seto, instead of
chards appear
more attention
formerly. Ma
nearly their w
-E. B. H.

nearly their w-E.B.H. OXT
WOODSTOOK,
keeping cold.
Crops are not
ing good root.
ture. Cows ar
many feed micaives are sell
cat: fat cattle
anything a pers
in Beachville ts
milk on Monda
TALBOTVILLE
LG
TALBOTVILLE
LOOKS beautiful.

Tallory Hills.

Tallory Hills.

white a little, white a little

J. E. O. SIMC

ALLISTON, Ma
untaily delivery

Alliston, Ma
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medium promise; age. Not ange. Not ange. Not ange. Not ange. Tobably pluma have been e lepairs to buildin and coah of ma seem cheap and coah of ma seem cheap and been e lepairs. Pea other grains. Pea other grains. Pea of the corn is in and cool weather and what is out i as that planted as that planted as that planted.

chardson, Cale

Isteins

the animal luty, and is of Customs at a Import Ceran bull is \$35, a has been in hich date the f Agriculture

and Dairy.

****************************** OUR FARMERS' CLUB Correspondence Invited

June 5, 1913

Correspondence ruited PRINCE EDWARD ISLAND

PRINCE EDWARD ISLAND
PRINCE CO, P. E. I.

KENSINGTON, May 26—The weather is very cid and backward fleeding in about the property of the proper

ONTARIO

NORTHUMBERLAND CO., ONT. NORTHUMBERLAND CO. ONT.

WICKLOW, May El.—The spring has been very favorable for doing spring's servi. Slock has wintered well. folder servi. Slock has wintered well. folder that the service of the farmers are sending their miliary of the farmers are sending their miliary for the farmers are sending their miliary for the control of the charge factory. Or chards appear to be howing well, and to charge their winds and their winds are their whole stock from foul brood sarry their whole stock from foul brood their works.

formerly. Many beekeepers have lost nearly their whole stock from foul broad.

S. OXFORD CO., ONT.

WOODSTOOK, More 27—The weather is beeping oold with considerable rainties of the considerable rainties. The considerable rainties of the considerable rainties are sufficient to the considerable rainties of the considerable rainties are considerable rainties. The considerable rainties of the considerable r

these brought to st. Thormse on two very thready the will make a good change of the thready the will make a good change of the control of the

NIAGARA FALLS, ONTARIO, IS WHERE THE FAMOUS

Davis Lighting Systems

ARE MANUFACTURED

ACETYLENE

AS MADE BY THE "DAVIS"

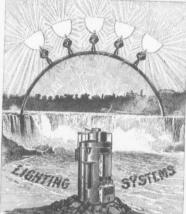
The Wonder Light. No home too small to participate in its benefits.

No building too large to light well and economically.

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Always ready to be lighted in every room day or night.





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A beautiful, soft, health - giving and eye-saving light.

More important to the home than a furnace, because used the yearround.

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For Lighting and Cooking in the Farm Home Safest Light in the World

The little machine shown in this picture can be placed in one corner of your cellar, and will supply beautiful light to beautiful chandeliers in every room of your house, as well as to your barns, in enclosed globes; also supply gas for cooking, the same as in any city home.

Lights anywhere by merely pulling a chain or pressing a button, the same as electricity -no matches necessary.

BE INDEPENDENT - have YOUR OWN system for lighting and cooking. Costs no more than the value of a horse to instal one.

Write us to-day

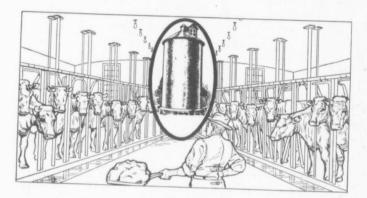
State how many rooms you have, and we will tell you exact cost to instal a System, also send you one of our illustrated booklets.

Write TO-DAY while it is on your mind. Address:



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NIAGARA FALLS



Feed ensilage—it makes fat stock

 $S_{
m grow}^{
m TOCK} \, {
m like} \over {
m fat} \, {
m upon it--and, once fattened, ensilage will keep them in that condition until a favorable market makes their sale most profitable.}$

Dairy cows, fed on ensilage, give more and better milk, because the silo retains all the fresh succulence of the undried fodder, preserving its natural juices in the same proportions as they are found in green pasturage.

A Concrete Silo makes money for its owner

by giving his stock a balanced, healthful ration the year round—and keeping them in good, thrifty condition.

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by keeping his feed in the form most convenient for

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by making him independent, to a large extent, of inflated grain prices. With a silo he is no longer dependent upon grain for fattening feed in winter.

A concrete silo will pay for itself, in actual feed saved, in a very short time—after that the annual saving is clear profit. And all the time there are other profits from its use—in the greatly improved health and condition of the herd, in greater convenience of feeding, in safety from the danger of fire—which might destroy feed stored in barn or granary—and in the increased value of

the farm that the possession of a concrete silo gives it.

Concrete silos, as well as scores of other improvements of concrete, are fully described in the book, "What the Farmer can do with Concrete." It tells how to build them, and gives full instructions for successful concrete work of all kinds. A copy will be sent to you free, upon request to

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