Issued Each Week-Only One Dollar A Year

VOL. XXXII.

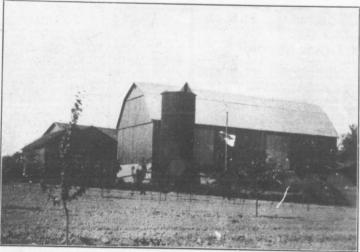
NUMBER 33

RURAL HOME

PETERBORO, ONT.

AUGUST 14

1913



ON THE FARM OF ONE OF CANADA'S WORTHY FARMER CITIZENS

Men who agitate for advanced legislative reforms are apt to be regarded as "cranks" by the community at large. Such a charge cannot be brought against our Canadian farmer citizens who are leaders in the fight for social justice, Such as Hy, Gleadinning and E. C. Drury, ex-Masters of the Dominion Grange, or W. C. Good, the present Master. The farm buildings seen herewith testify to the success of the latter as a practical farmer. The farmer's movement in Canada owes much of its strength and vitality to the practical common sense and broad outlook of such leaders as these.

BETTER FARMING AND SANADIAN GOUNTRY LIFE

Another Simplex

Feature

Easy Access To Gearing

NOTE the illustration. Instant access to the gearing of the separator is had by re-moving the large housing on the rear of the machine, and without disturbing any of the moving parts.

T HE entire machine can be I taken apart in two or three minutes and reassembled in about the same time.

T HE clutch is the one-piece automatic safely clutch that has been so successfully used on the previous "Simplex"

Showing Simplicity and Accessibility of gearing. Removing the body Housing exposes the gearing and lower bearings of the Simplex.

 \boldsymbol{A} S far as possible the parts in all four sizes have been made alike and interchangeable. These include the principal parts of the frame, the gearing, bearings, tinware, etc. It is only by this system that such a

High Grade Machine

can be purchased at the prices.

THE ease of running, ease of cleaning, simplicity, self-balanc-ing bowl, interchangeable spindle point, low-down supply can, the general pleasing appearance, and the perfect skimming of the "Simplex" make it the favorite everywhere it goes,

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

B EAR in mind, too, that we are agents for the B-L-K Mechanical Milker. Tell us how many cows you milk, and we will give you estimates on what it will cost you to install a B-L-K.

SEE our Exhibit of Milking Machines and Cream Separators at Toronto and Ottawa Exhibitions.

D. Derbyshire @ (

Head Office and Works -

BROCKVILLE, ONT.

Branches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P.Q. WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS



rive her a chance

A Cow's daily work is to produce milk. If she rests well and breathes pure air-if you make her comfortable-she does more and better workshe gives more and better milk. We had a book printed about this very thing, "The Proper Housing of Cows.



O.K. CANADIAN STALLS AND STANCHIONS

Every farmer interested in the profit end of the dairy busi ness can have a free copy of this book by writing for it.

AGRICULTURAL EDUCATION IN RURAL SCHOOLS OF ONTARIO

Rural Education Discussed in an Important Educational Gathering at Guelph-Public School Inspectors Meet for Conference—The Rural Schools of the Future

T HAT "the rural school is capable of immensely greater service in ministering to the intellectual, social and spiritual needs of the population," is the opinion of all who have given carnest attention to the question of the improvement of rural conditions, a question that is now receiving much of the thought and attention of the best minds of the country. This growing conviction that the country school and the country school teacher must play a larger part than they sow take in the life of our rural communities has lead to the employment of various means to that end. HAT "the rural school is cap-

to that end

to that end.

The chief agency so far employed has been the Ontario Agricultural College, especially the Nature Study Department under the direction of Professor S. B. McCready. The means employed, in cooperation with the Department of Education, are chiefly three-fold. First, and into the control of teachers. For some years, graduates of the Normal Schools, who completed their course at Easter, have ares of the Normal Schools, who completed their course at Easter, have had the privilege of taking, free, a 10 weeks' course at the O.A.C., fluishing before the summer vacation. Besides this there has been given a summer course, of five weeks, during each of two successive summers. By this means a body of teachers is being gradually trained for teaching in the rural schools, some of the subjects that have a close relationship to country life.

OTHER EDUCATIONAL AGENTS The District Representatives of the Department of Agriculture are in the Department of Agriculture are in many cases devoting, with excellent effect, a part of their time to the en-couragement of school gardens, home wardens, school fairs, and other gardens, school fairs, and other means for promoting a knowledge of and interest in things pertaining to

and interest in things pertaining to the farm. By the employment of the field Agents for the farm of the field Agents for the faction of distinct of considerable area, help and morouragement are given to teachers who are attempting the work. Realizing that while progress is being made, the movement is necessarily slow, and that the most important element of success is the formation of an enlightened public opinion, a conference of school inspectors was held at the Agricultural College during the last four days of the tachers' summer course in order that these officials might be fully informed as to what is being attempt. that these officials might be tuly in-formed as to what is being attempt-ed, as well as being better acquainted with the benefits and possibilities of the work. Accordingly, there met at the O.A.C., Guelph, on Monday, the 4th of August, for a conference the Public and Separate School Inspec-tors of the Province. Practically all tops of the Province of the Provi who are concerned with the work of the rural schools were present.

ALL PHASES OF AGRICULTURE DISCUSSED NAL PHANES OF AGRICULTURE DISCUSSED
The forenoons were devoted to a
study of the different branches of asricultural industry and the afternoons
to discussions on the various agencies
that are being employed to bring the
work of the rural schools more fully
into touch with the life and activities
of the country.

The country of the c day forenoon was devoted to animal industry and dairy husbandry with Professors Wade and Dean leading On Thursday attention was devoted to poultry, fruit growing and bee-keeping, under the guidance of Prokeeping, under the guidance of Fro-fessors Graham, Crow and Pettit. A part of each morning was spent with the professor in viewing the depart-ment of the farm devoted to the par-

ticular subject under consideration for the forenoon. This was followed by lectures and discussion in the hall by lectures and discussion in the hall. These were of a decidedly practical character and well calculated to show the possibilities of the rural school and to suggest ways in which it can render more efficient service for the betterment of rural conditions. The afternoon meetings were devel, ed to a consideration of the various agencies for the improvement of the control of the

agencies for the improvement of rural education. On Tuesday, con-clubs, school fairs, potato contests, etc., were dealt with, showing how effective all these things have been made for the awakening of interest and promotion of better farming and promotion of better farming wherever undertaken with enthusiasm. Wednesday was devoted to reports from field agents, and a few teachers who have done things, though the statement of the sta tees and ratepayers are anxious for its continuance, and where changes its continuance, and where changes of teachers take place are willing in make sacrifices to secure those who have been trained for the work. Thursday p.m. was given to a co-sider: Jion of improved organization in the form of township boards and township trustees' associations. EVENING SESSIONS

THE EVENING SESSIONS

The evening meetings were a fature of the conference. On Mondaringh President Creelman spoke e rural problems in Ontario, and the relation of the Agricultural College thereto, in his characteristic land and forceful way.

The consolidation of rural schools was dealt with on Tuesday night in a masterful manner, by Mr. S. C. Monahan, of the United States Beneau of Education. In an illustrated address he gave an outline of the bistory of the movement in the Republic to the south. In some of the States to the south. In some of the States was considered to the south. In some of the States was considered to the south. In some of the States was considered to the south. In some of the States was considered to the south. In some of the States was considered to the south of the States was considered to th

to the south. In some of the States the movement has gone almost as far as it is possible for it to go, the whole of the rural schools being con-solidated with the exception of a few solidated with the exception of a lee in impossible positions in outlying districts. In this respect Ontario is very far behind as practically noting has been done here yet. After listening to the story of what the cosolidated rural school and the town of the cosolidated rural school and the cosolidated rural school are compatible. ship high school has accomplished for rural education in the States, the conviction is left that in that dir tion lies in a large measure the solution of the problem is greatly strengthened. When the people dour rural communities fully away to the benefits of consolidation, to aside their prejudices, and decide to go in for cooperation in schools at well as in other things, a long sto will have been taken toward the en in view.

THE SCHOOL OF THE FUTURE The aim and purpose of the gath

ering cannot be better stated than it he following words from the lads announcing the meeting:
"Agriculture for rural schools down to mean merely an additional subject. It means a new purpose! Is means a new method! It means new school! It means ducation is country life! country life!
"The Country School of the future

"The Country School of the faw will not be a new kind of schol however, simply because it has sold a new subject to its list of studia. But in the teaching of this new si-ject it will find a new service in tre-community, and a new meaning it education for country people. "It will be the local experiment farm in a simple, but effective vir-it will introduce new arrieties of se

(Continued on page 9)

Issued Each Weel

Vol. XXXII.

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The First of a Se in Ontario. Ti THE title of

been "The at Dunrobin serve the end of of the farm at p when the dairy h ines that sugge profits.

Dunrobin Stock its present site by present owner, w of the virgin fore of Lake Simcoe. owner left the far or rather the firm by that name, in I section with the ol nterest in a practi 100 acres from tim

had 650 acres.

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DAIRYING To men, like ma ho have founded ce

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ARMAND DAIR RURAL HOME

Only \$1.00 a Year

Vol. XXXII.

Each Week

FOR WEEK ENDING AUGUST 14, 1913

No. 33

THE MANAGEMENT OF THE DAIRY FARM AT "DUNROBIN." No. 1 R. E. Gunn, Prop., Dunrobin Stock F .- m, Ontario Co., Ont.

The First of a Series of Two Articles Descriptive of the Management of One of the Largest Dairy Farms in Ontario. These Principles of Successful Management May be Applied to the Smallest Dairy Farm.

THE title of this article might as well have been "The management of the whole farm at Dunrobin," for everything is made to serve the end of the dairy, as it is the business of the farm at present. I say at present, for when the dairy has built up soil fertility sufficiently it is the intention to go into some side lines that suggest the possibilities of good

Dunrobin Stock Farm was started in 1836 on its present site by the great-grandfather of the present owner, who hewed the most of it out of the virgin forests that stood on the shores of Lake Simcoe. The father of the present owner left the farm to found Gunns, Limited, or rather the firm that has grown to be known by that name, in 1873. He always kept his conection with the old homestead and showing that sterest in a practical way, added to the original 100 acres from time to time, till at one time he had 650 acres.

FARM CROPPED FOR 50 YEARS

This acreage has been slightly reduced, but the acreage now operated includes the old hometeads of three families and the land has been instantly under crop for 50 years at least. The and was good clay loam. The natural result llowing on continuous cropping is that to-day he soil is undergoing a treatment of rejuvenaon in regard to fertility and weed filth.

The father of the present owner, the late Mr lonald Gunn, of Toronto, started to operate the oldings personally in 1900. The system of arming followed was more fashioned to give asure than profit. In 1903 the present owner, ho had lived in the city till 1900, came into the int management fresh from the Ontario Agriltural College. The system in vogue was not anged until the commercial instincts of Mr. onald Gunn would no longer permit him to se money on fancy horses and pure bred Short-

DAIRYING AT LAST SELECTED

To men, like many that can be mentioned, he have founded celebrated herds and who live actically with their charges, Shorthorns may made to pay handsomely. But for the present anager of Dunrobin there was nothing in it. change was made in 1908, and a dairy herd tablished. Up till this time almost every kind farming had been tried and discarded, but day, after a trial of over four years, the herd as been increased until to-day 100 cows give eir milk to help keep the pot boiling.

The methods of operation employed have vard slightly as time has passed, but the fundaental idea of milking only cows that were givg a good return for the feed consumed has

been followed. Weighing the milk has been carefully attended to until now we have a herd that, though not phenomenal, still graduates from the 6,000 pound per cow class and enters the 7,000 pound class for aged females. As to the amount demanded from heifers, we are coming to the conclusion that a heifer of proper conformation may do so much better the second year than in the first that if it pays for its feed,



A Silo That Is Giving Satisfaction

Mr. A. J. Emmett, Welland Co., Ont., constructed this coment block silo. 40 feet deep by 11 feet six inches in diameter for \$850. He writes: "I am feeding out of it now and the silage is grand."

care, insurance, and rent, we give it another trial, and then in the second year if it does not come mighty near the 5,000 pound mark we can be persuaded to part with it for a consideration.

HOME BRED STUFF PREFERRED

As we use the milking machines, and as heifers accommodate themselves more readily to that form of milking than do older cows, we strive to raise our own altogether. Following up this method we will be able each year to sell by public auction at least 25 or 30 cows that are getting on to eight years old. This will prevent us having to dispose of cows at a loss as use-

As the herd is tested twice yearly for tuberculosis we do not fear any laws that may be enforced in this regard. Our herd now is clean, so with our satisfactory ventilation we can, I hope, keep it that way. Such being the case, we can at any time tender on a milk contract demanding milk from healthy cows. This fact alone means increased revenue from this branch of the farm.

ACCURATE MILK RECORDS

With the milking machines, special sheets were procured that have enabled the management to see how the different cows are coming along in regard to their strippings. Naturally some cows hold back more milk than others on the machines, so we put the weights of the milk procured from the machine in one column and that of the strippings are put in their special space, so with a minimum of detail the records are kept correct. In this way fluctuation caused by a cow's sickness or any other cause is instantly noted. The effects of the milking machines warrant their use in saving labor and permitting the cheap production of clean milk.

The herd, calves, hogs, and the cutting feed, grinding meal, washing cans, machines, etc., are looked after by five men. When there are some 30 can's to wash and deliver to the station for one man, the others have enough to do to lock after the milking, etc., when we are milking around the hundred mark. The cattle are clipped every month through the winter, around the udders, hind quarters, and up over the back, neck, and head, with the \$8.50 Stewart horse clipper. It is a short job to run over the cows with the vacuum cleaner to groom them every day or two. This care more than pays for itself in the comfort of the animals. The cobwebs in the stable are kept swept down and the ceilings are gone over twice a year with whitewash applied with a sprayer.

THE VENTILATION

The barn is kept airy and fresh by shafts or air vents running up to the roof here and there, of a size that does the work, usually about two feet square. The doors of the barn, of which there are four pairs nine feet wide in the length of the building, 135 feet, are half open, the upper halves having frames in them on which is stretched thin cheesecloth as an added ventliation. Two winters ago, with a drop to 34 degrees below zero, we had practically no trouble with the cold. We have as many windows as the construction of the building will permit,

The milking is done each day regularly, commencing at 5.30 a.m., and then again at 3.45 p.m. The cows are fed just before milking time, and the hay and straw, or roughage, is all cut and fed mixed with the ensilage. The meal is fed on top of the ensilage and hay.

FEEDING PRACTICE

Rations are a thing that can not be definitely stated in such a way as to be profitable to the (Continued on page 9)

Prince Edward Island Oats

J. A. Macdonald, Carleton Co., Ont.

Prince Edward Island is admittedly the greatest potato-growing country in the world. It is not so well known that it is also, for its area, the greatest oat-growing country in the world. Where in all the world could an annual crop of 7,000,000 bushels be grown by 15,000 farmers on an area of about 165 to 170 thousand acres?

One county on the Island averaged last year, a potato yield of 300 bushels an acre, or 65 bushels per head of the whole population. The cat yield was nearly 75 bushels for every man, woman and child on the Island or an average of about 465 bushels per operating farmer.

WEIGHT OF ISLAND OATS

But it is the quality of Prince Edward Island oats that counts. There was practically no oats grown last year that did not go the standard weight of 34 lbs. a measured bushel. But the standard is considered only a low average quality. Most of the oats go from 34 to 42 pounds per measured bushel. The black oat is the variety grown and is native to the country. The white oat is not grown to any appreciable extent.

New Brunswick does not grow sufficient oats for its own consumption and buys largely of Western and Prince Edward Island oats. A report from New Brunswick to the Department of Trade and Commerce says:

STRONG TESTIMONY FOR P. E. I. OATS

"Oats purchased in Prince Edward Island for seed have germinated well and are giving good satisfaction so far. Some who purchased western oats complain that they do not germinate, and in one case I know of fields that had to be sown this year a second time. White oats grown in New Brunswick and Prince Edward Island have a yellow cast of color in the hull, while the western oats complained of have a very white hull, and a nice plump appearance. Farmers in this section have been in the habit in former years of sowing any kind of oat that came to hand at seeding time; but after the experience of last year they should be more particular."

A HOME MARKET FOR OATS

They are starting a rolled oats mill at Char lottetown which will furnish a home market for much of the Prince Edward Island grown oats. The concern is a subsidiary branch of a big oatmeal milling company in Ireland. It will have a capacity of 350 barrels a day, and employ 75 men. Its product will be shipped direct to Ireland. This factory will mean a home market for a very large proportion of the seven million bush oat crop, while direct communication with Ireland will mean the opening up of a large trade in other commodities and an intercourse which cannot fail to be mutually profitable.

The company agrees to erect a \$150,000 plant in the City of Charlottetown. That the province urgently needs such an industry, that it has special advantages for the support of it, and that there are many features of the undertaking that make it especially desirable, that every effort should be made to secure it, are facts that will require no elucidation. With such a splendid quality of oats and so large a crop, the Island is especially suited to this industry. It is a wonder some of the big Ontario mills did not long ago establish oatmeal mills on the Island.

An Old Stable Remodeled

The story of how Mr. A. C. Hallman, of Waterloo Co., Ont., transformed an old, out-of-date stable into a modern, cement and steel fitted home for his cattle, and that without any great outlay, will appeal to many readers of Farm and Dairy who would like to have more up-to-date stables, but do not feel that they can yet afford the ne cessary expenditure. Mr. Hallman purchased the steel part of his equipment at a minimum

price through using a little ingenuity, and did all of the cement work without any outside expert assistance. An editor of Farm and Dairy who recently journeyed to Breslau to see Mr. Hallman's Holsteins, took note of his up-to-date stable

omical basis.

The old stable was the regulation kind, illlighted and poorly ventilated. The stanchions and partitions were of the cumbersome wooden variety. More light was Mr. Hallman's first object, and in working for light he went on the principle that one big window is better than two smaller ones. At either end of his stable, which is 80 feet long and 36 feet wide, he made provision for two very large windows, about eight feet wide. There are several other smaller windows and between them all, the stable is thoroughly well lighted. The heavy woodwork in the stable tended to exclude light, and accordingly Mr. Hallman decided to do away with wooden posts altogether and to depend entirely, in making the interior of his stable, on cement and steel.

MATERIALS ALL CHEAP

Cement was cheap that year, only \$1.05 a barrel, and Mr. Hallman used 76 barrels altogether in laying floors and making mangers and water The steel work too was gotten cheap. When in Toronto Mr. Hallman visited a dealer in old iron and bought a sufficient supply of one and one-half inch steel tubing to make the stanchion supports and the divisions between the cattle. The curved bar, which is the most up-to-date provision for separating individual cows in the row,

and learned of how it was remodeled on an econ-

Weighing the Milk By W. C. Palmer.

It is just as important for a farmer to weigh his milk as it is for the grocer to weigh what he buys and sells instead of going by guess.

A. W. Sweeton kept track of the time required to weigh the milk from a herd. He found that it took one-half minute to weigh the milk from a cow for one milking or a minute a day. About six hours a year.

Weighing the milk results in finding that some cows do not pay for the feed they eat to say nothing about the work required in caring for them. Wouldn't it be worth six hours' labor a year to know this? It will save many times six hours' labor and harder labor than weighing the

My Method of Rearing Calves

C. P. Blanchard, Colchester Co., N. S. I allow the calf to remain with the mother for at least 48 hours after birth. Then I do not make any attempt at teaching it to drink for 24 hours At the expiration of that time I give it say four or five pounds of the mother's milk.

If it does not drink readily, I place the finger of my left hand in the calf's mouth, holding the head up and with the other hand scoop up some of the milk from the bucket allowing it to ru into the mouth while the fingers are still there Then it will begin to suck the fingers. By & grees I introduce the head into the bucket and the calf will commence to drink. There will be

no failures at the first attempt if the calf is used gently.

For the first week! give about 10 lbs. whole milk daily, gnd ually increasing amount to say 15 h at the end of three weeks. Then one me begin to use separatel milk, which can b substituted for who milk gradually und at the fifth well whole milk can be do away with entirely.

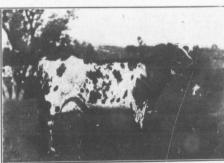
I throw a handful cornmeal into the mil before feeding (though not too mus until the calf beco accustomed to it.) h this time the of should have access to

some sweet hay, clover if possible, and a be placed in the pen with a little ground oats a bran in it.

The rest is easy, but it is better to underist than overfeed. Different calves will cons different quantities, so I can give no hard a fast rule, except to say that separated milk a be fed to advantage up to the age of four or en

Early after harvest cultivation is one of the ways to destroy annuals and winter annuals, st as False Flax, Corn Cockle and Wormseed M tard. By thorough plowing the weed seeds a kept near the surface, and by a frequent stin of the soil they are made to sprout, and have sprouted they are easily destroyed by furthers tivation .- Prof. J. E. Howitt, O.A.C. Guelph

If a young man wishes to start farming with capital, the first thing that he should do is to an education. The less money he has the m important the education becomes .- Prof. 6. Warren, Cornell University.



An Ayrshire Bossie That Holds a World's Record We here introduce Eizabelth of Juneau, a three year-old Ayrshire helfer own The Kanasa State Agricultural College, that has just completed a world's por 15,338 lbs. of milk and 56,5 lbs. of butter fat. In her best month short 1,569 lbs. of milk and 67,7 lbs. of fat. She did this on ordinary feeding.

still troubled him. He made arrangements with The Louden Company of Guelph to bend the bars in the right design, and from them he purchased couplings and put the whole together himself. One could not tell the difference between Mr. Hallman's stanchions and those purchased ready made from the factory, and there is an immense difference in the cost. Instead of the 12-inch posts that were scattered through the stable to support the beams above, Mr. Hallman purchased four-inch iron pipes at eight cents a foot; also from the scrap heap. This steel construction makes the stable much lighter and more sanitary than where wooden construction is used.

The mangers and water bowls are made of con crete, the shape of the bowls being gotten by a home-made mold of lumber and roofing steel. Between each two cows is also a cement salt bowl.

The litter carrier facilitates 4he removal of manure from the stable, but for the carting of ensilage and foots to the cows, Mr. Hallman prefers a truck. It is more commodious than the (Continued on page 7)

August 14

Fig

J. G. C "Keep everlas of the farmer rot, which is th the erroneous difference if the a certain stage

mistake. The

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tubers. The danger o past. The warr ially if the wea tions for the gr warm, foggy ev field that is att tible. The disea detected in this fore any appea infection is not the eye.

GET BUSY AT This is the tir busy. One spr this stage will good than two l object of spraying so much to de fungus when it come established petato plant, bi to prevent the di ting a hold. once the plant come thorughly

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The prime obje spray is to des germinating spor the thread-like ance (we might sprout) which t sends out comes tact with the spr killed. This shows portance of getti blight as soon as ticed in the field aves before the s The extent of t epends in a lar When the air is At such times the every 10 days. If two weeks will be

PREPA We spray with tare; five pounds gallons of water an of Paris green as a und that it take two barrels of spr then figure up ho patch. We put th a cask and slack it ull, say 25 gallor his solution will ands of lime. When dipping ou

In the tock solution of th o many gallons of ime into the spray or more, add the elation and Paris laving the lime an efore hand, enable praying operations We use a spraying

ion well.

Fighting Late Blight

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.-Prof. G

tly.

"Keep everlastingly at it," should be the motte of the farmer who is fighting potato blight, or ret, which is the same thing. Some farmers hold the eroneous idea that it doesn't make much difference if the tops do die down after they reach a certain stage in their growth. This is a great mistake. The tops should be kept growing as long a possible so as to give every possible chance for the "nubbins" to develop into good sized tubers.

The danger of an attack of blight is not yet past. The warm nights of early August, especially if the weather is foggy, make ideal conditions for the growth of blight. In fact, on a sarm, foggy evening, the odor from a potato field that is attacked by blight is quite perceptible. The disease can be

detected in this way before any appearance of infection is noticeable to the eye.

GET BUSY AT ONCE
This is the time to get
busy. One apraying at
this stage will do more
good than two later. The
object of spraying is not
so much to destory the
fungus when it has become established in the
potato plant, but rather
to prevent the disease get
ting a hold. In fact,
once the plant has become thorughly infested,
spraying is not of much

The prime object of the spray is to destroy the germinating spore. When the thread-like protuberance (we might term it sprout) which the spray it is sprout) which the spray, it is killed. This shows the im-

tied in the field. The spray should be on the leaves before the spores have become disseminated. The extent of the damage done by hite blight depends in a large measure on the weather. When the air is humid, blight develops rapidly. At such times the potato patch should be sprayed every 10 days. If the weather is drier, once in

two weeks will be often enough.

PREFAMING THE MIXTURE
We spray with the ordinary Bordeaux mixtre; five pounds lime, four pounds bluestone, 40
gallons of water and half a pound or a little more
of Paris green as a lunch for the bugs. We have
found that it takes about a barrel and a half to
two barrels of spray to cover an acre. We can
hen figure up how much we will need for our
patch. We put the required amount of lime in
a cask and alack it, and then fill the cask partly
fall, say 25 gallons. Then so many gallons of
his selution will be the equivalent of so many
sounds of lime.

When dipping out of this cask we stir the soluion well. In the meantime, we have made a tok-solution of the bluestone, so many pounds to e many callons of water. We strain the milk of ions into the sprayer barrel, dilute to 25 gallons we more add the required amount of bluestone exition and Paris green, and dilute to 40 gallons. Isring the lime and bluestone solutions prepared she had, enables us to perform the actual praying operations much more quickly.

We use a spraying outfit that is both cheap and

effective. We mounted a barrel sprayer on an old express wagon, having a piece of half inch gas pipe across the rear, with nozzles attached to do four rows at a time. This is an outfit that any farmer can have, and when blight is bad will pay for itself in one season.

Consideration of Pedigree L. K. Shaw, Welland Co., Ont.

I would rather have an animal whose pedigree showed a long line of ancestors of uniform high excellence than one whose dam made a great record, but whose grand-dam was comparatively unknown. I would rather have a sow whose dam, grand-dam and great-grand-dam had been of high excellence than one whose dam was champion at Toronto exhibition but with on ancestors worth mentioning behind that. And so on through all classes of stock.

ince with the spray, it is

**Milled. This shows the im- Taken one year who honder, postoces will return a larger profit per acre than any other common farm crop. pertance of getting after supplying their own home agreed field for postog covering as so far postof commence for supplying their own home or profit of postog crops and in connection with the potato crop has been largely bight as soon as it is no

One reason for this preference of mine is that I fear "sports." "Sports" are hard to explain, but in animal breeding we frequently run across them. Who has not heard of cows with tested but unsuccessful ancestry, themselves making large records? What pig man is there who has not at times had an exceptionally fine individual in a litter that from its ancestry promised little? These are "sports" and "sports" do not reproduce their own high quality in an appreciable number of instances. How many of our world record cows, for instance, have daughters that do as well as there do?

Another reason why I would fear to breed from animals who themselves carry all the reputation of the strain, is that their offspring continually revert back to previous ancestors. If I knew that in a certain strain the animals had been of high average excellent, but nothing very exceptional, I would never have to fear reversion to inferior stock. With the "sport" it is different.

Another mistake commonly made is to go back too far for good ancestors. For instance, I recently attended a Shorthorn sale at which some very commonplace animals were sold. The auctioneer made much of the fact that about eight or 10 generations back their ancestors had been the best of Cruikshank stock. The buyers apparently believed that that old-time ancestry was worth a lot of money whereas the influence of a good animal as far back as six generations is practically mil.

Summer Feed for Big Records

"Well, two of my cows have made 10,000 pounds of milk a piece in 4½ months and they are only four year-olds at that."

Is it any wonder that Mr. Joseph O'Reiley, of Peterboro county, is satisfied with his venture in pure-bred cattle? A short time ago a representative of Farm and Dairy was in conversation with Mr. O'Reiley, who was warm in his praises of the merits of pure-bred cattle. He has disposed of all his grades and now keeps nothing but purebreds. Although his entire herd, young and old, aumbers but 10 head, it is of the right stuff.

As to the two cows already mentioned, Mr. O'Reiley, naturally enough, feels proud of the work they are doing. "I don't see any reason why they shouldn't hit the 20,000 pound mark," said he. "Besides these two I have two heifers

that are doing well, in fact I just have the four milking, and the four are now averaging 60 pounds a day."

Considering the burntup condition of pastures in general, we were anxious to know just how Mr. O'Reiley was able to get such results.

"I sowed several acres of soiling crops, peas and oats, this spring," was his reply to our query, "and as soon as the pasture commenced to get poor I saw to it that the cows didn't go hungry. Just at present, in addition to the peas and oats, I am feeding my two best cows 15 pounds daily of Pro-fat molasses meal (a mixture of brewers' grains and molasses). These cows are averaging 70 pounds daily, so I know it pays me.

Mr. O'Reiley, "when the tester was around not

long ago, the cows were coming up in their milk so fast that he was afraid he wouldn't get a fair test; I had commenced feeding the browers' grains just two days before he arrived. One of the cows went up to 90 pounds while he was with us. My other cows get less grain, seven or eight pounds."

Mr. O'Reiley is an alfalfa enthusiast. "When the peas and oats give out," said he, "I intend to feed green alfalfa until the corn is ready. A few days ago I gave the cows two or three feeds of alfalfa and the increase in the milk flow was quite noticeable. I consider it the best soiling crop we can get."

A "KINE" WORTH KNOWING

How to get the most out of damaged hay is another thing that Mr. O'Reiley knows something about. "Last summer," said he, "owing to the continuous wet weather, some of our alfalfa got pretty woody before we were able to get it cut. During the winter the cows didn's seem to take to is very readily. I bought some cheap feed molasses and sprinkled some of it over the alfalfa at each feed; the cattle cleaned it right up."

By keeping cows of the right type, growing soiling crops and feeding grain to the heariest milers, Mr. O'Reiley has certainly solved the problem of supplementing short pastures. Good cows he considers the most important part of the combination. He is starting in a small way, buhe is starting right.

August 14

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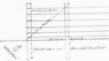


Two tons of automobile just to carry four persons? Ridiculous weight! Unwarranted expense! Of all cars, the Ford is the most economical—because it is lightest and has more power for its weight. All pleasure cars of the future will have present Ford lightness.

Think what these prices mean-for the car that as stood the test: Runabout \$600; Touring Car \$650; Town Car \$900—f.o.b. Walkerville, Ont., with all equipment. Get catalogue and particu-lars from Ford Motor Company of Canada, Limited.

Deadman in Fence Building

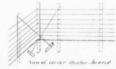
J. A. Macdonald, Carleton Co., Ont. accompanying diagrams show how I get the wires leading to the 'deadman' or anchor out of the way, and which plan also leaves the endpost, or the extreme corner-post, as



the case may be, free to stretch the fence around, and to staple to. It will be noticed that the wire is laid each side of the end-post and firmly twisted between it and the deadman

and between the two posts.

The perspective drawing shows an The perspective grawing snow an end-post in one angle as a corner-post and another deadman to hold the other line of fence. The straining post in set six feet from the end-post. The fence between the two is not stretched so as not to move the latter. The



strain all comes on the post next the end or corner post to which the wire and deadman is attached. This method also permits the stretching of the fence from the end-post then fastening it to the straining post, a tem porary wood trace being set indicated by the dotted line.

Braces should be entirely done away with. They decay and cause trouble sooner or later,

Shropshires and Jerseys

"We have recently started into Shropshire sheep," remarked Mr. Gordon Duncan on the occasion of our last visit to The Don herd of Jerseys. "We have secured a ram from Campbell of Woodville and have at present 15 ewes, five of them registered and the rest grades.

We find the sheep to be great scavengers and to return good money for all the time that it takes to look for all the time that it takes to look after them. Last spring I had my lambs sold before they were six weeks old and they brought \$6.50 alive."

"Is this the first time you have had sheep on the farm?" we asked.

"No, father kept them years ago,

but the dogs put an end to the business. We now have a yard with a high board fence around it in which the sheep are enclosed at night and the dogs cannot get in there, although there are quite frequently evidences that they have been around the fences looking for holes."

After inspecting the Jerseys on hand, we went out to look at the sheep and found them to be a fine lot. The Duncans are strong believers in the virtues of the pure bred animal and in a short time expect to have a good sized flock of pure bred sheep added to the revenue producers of the farm.

A Silo for Alberta

A Silo for Alberta
Is the climate here (Alix, Alta.) too cold
for a silo? flow would a hole in the
ground do, say seven or eight feet wide
and 10 to ,12 feet deep on high ground,
with no dashger of water? I have no corn.
llow would green oate do and how should
they be cut? Can roots or grass be used
to make endlage? Should the silo or hole
have an air-light core with a weight on

Silos are in use and giving good satisfaction in climates as severe as at Alix, Alta.

In building one the chief object is to have it as air tight as poss is not necessary that all of it be about ground, though for convenience is out the ensilage it ally advised to go only five feet six feet below the surface, to wall a and build above ground with stars

or concrete. In such a silo neither a top nor weight other than the tramping at time of filling is essential, but where the depth of ensilage is only 10 to 1 feet, covering and weighting as you describe would be advisable.

While green oats, roots, may be ensiled it is not a practice to be recommended. The onts at grass, because of their hollow stem do not readily pack and may, as rule, be most profitably used in the form of hay. The roots if cut as mixed with corn make a very goo silage, but it is not an easy matte to handle the two crops together, an the practice is therefore not likely meet with favor .- O. C. White. sistant Dominion Field Husbandma

Our Legal Adviser Reseaseseseseseses

A HIRED HELP QUERY.—I capage with a farmer, March 19th, at \$51 month for 10 months, with the optical hiring for another 12 months if an ability of the satisfaction, but I am not satisfact on the place is there are two bosses on mine place is there are two bosses on mine place and quitting—in Double.

you leave your employer after giving him one month's notice to would be entitled to receive from him your wages up to the time of leaving

PAYMENT OF WAGES.—I work for a farmer for \$25 a month. When I has worked three months am I entitled a draw my \$75, providing I ask three four days before it is due? Falling is get the money when due, what would ya advise?—W. I. M.

You are engaged at a monthly king, and in the absence of any agree ment to the contrary your salary due to you at the end of each month After working three months, the months salary is due to you as should be handed to you upon request If your employer refuses to do the you can recover same through Division Court.

ly arises and must be governed by Fence Viewers' Act in force in particular province in which the If the land is unde tion arises. tivation either party has a right insist on the other erecting share of a suitable boundary fend any question arises as to the port of the fence to be built by each. the quality, or style of fence, fence viewers, who have been app ed by the municipality, can be call in and they will deal with all matter in dispute. It would be the duty the viewer to give reasonable con ation to the circumstances sur-ing the construction of the old and to decide accordingly. Neithe owner has a right to claim any profite fence as his own property as refuse to carry out the direction of the fence viewers.

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Ranked at the Very Top

DAVID Rankin was a big farmer and he knew his business. He owned the largest corn farm in the

his business. He owned the largest corn farm in the world, about 35,000 acres down in Missouri. He devoted his life to the pleasant study and practice of right farming, and he succeeded mignitily, for he made \$4,000,000 in the business of farming. This is what David Rankin said about the manure spreader: 'It is the most efficient money-maker on the place.'' It's warrap praise to be ranked above all other farm machines, but it is inkeeping with what all the agricultural world has been recognizing. Soils rebel when crop after crop is taken from them, without return of feature every bit of manure to the soil by the spreader method. The IHC manure spreader will save you much disagreeable, hard labor, will spread evenly, and will make one ton of manure go as far as two tons spread by hand.

I H C Manure Spreaders

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are built to suit you, to do best work for the buyer in every case, to convince him that he has made the wisest purchase. Every detail in the construction has a purpose for which it was made after thorough tests and experiment. They have the maximum of strength and endurance, and their construction bristles with advantages.

You will find all styles and sizes in the I H C spreader line. They will cover the ground with a light or heavy coat, as you choose, but always evenly, up hill or down. There are high and low machines, with steel frames, endless or reverse aprons, but always giving best possible service. Tractive power is assured by position of the rear was the strength of the load, and by wide immed wheels with Z-shaped lugs.

These and many other things will interest and convince you if you look the I H C spreader line over at the local agent's. There is one for your exact needs. Read the catalogues that the agent has for you.

has for you.

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At Hamilton, Ont.; London, Ont.; Montreal, P. Q.;
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Good After

Nothing makes of a day's work as a run a water pipe purchase a shower carrying away the is not running was 4, 1913

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THE SCIENTIFIC FARMING OF THE WOODLOT

THERE is no part of the farm ously grown for fuel or pulpwood, which will give bigger returns for so little expenditure of time when the most suitable succise and labor as the woodlot."

When the most suitable succise when successed and the woodlot.

nd loor as the woodlot.

This statement is made by Mr. B.

Morton, B.Sc.F., the silvical exert who is engaged by the Forestry may may be achieved. But if it is not possible to obtain such expert advice, there are yet three ways in which the farmer, by the exercise of ordinary common sense, can vastly improve the composition, production and reproduction of his woodlot.

JUDGMENT IN CUTTING

The first thing necessary is to improve the character of the crop, which prove the character of the crop, which can be done by cutting down and using for firewood all diseased and deformed trees, as well as such species whose presence in the woodlot is not desirable. Only too frequently is the method of cutting exactly, the reverse. The best trees are cut, often for purposes for which an inferior species are left to seed in the cut over areas and to gradually crowd out the bester varieties. better varieties.

better varieties.

Before cutting, the farmer should consider first the use to which the wood is to be put, and, second, the species-composition of the woodlot which is most desirable. Firewood probably yields the best returns for a small acreage, and for this purpose rapid growers, such as poplar, ash and should be encouraged, which should make an annual growth of from cachalf too ne cord an acre. Basswood, too, will be 'n increasing de-mand because of its rapid growth, bemand because of its rapid growth, be-cause it coppies readily and because of its value in small sizes for the manufacture of excelsior, cooperage stock and other small articles for which the wood is particularly adapt-which the wood is particularly adapt-less proposed in the control of the con-trol of the control of the control and the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control Soft woods like spruce, balsam and pine grow much more rapidly than bardwoods, and might be advantage-

Good After a Day's Work

Nothing makes one feel so good after a day's work as a sold shower bath. Just run a water pipe to an elevated barrel, Purchase a shower nosile and arrange for currying away the waste water. If there is not running water on the farm have it run in from the eaves off the roof.

ously grown for fuel or pulpwood.
THINNING THE WOODLOT
When the most suitable succies have
been selected and the weed-trees removed, the woodlot must then be
thinned until the crowns of the besthand awaiting trees are seen to t sho is engaged by the Forestry jurines, touch. An acre can only promarked a Ottawa to demonstrate to barely touch. An acre can only promarked the property of Eastern Can duce a given amount of wood each
just how there is given returns year, and the fewer trees there are
more about the property increment, and
he achieved. But if it is not to share this yearly increment, and
he achieved the property of these property in the property of these
more remainfull but the growth of these

trees.

The third requisite in the scientific farming of the woodlot, is that the cattle be kept out, especially after heavy cutting, when reproduction is most desired. Cattle are just as in jurious to a young crop of tree-seed lings as they are to a young crop of grain. They may indeed eat the grass in the woodlot, but they would grass in the woodlot, but they would just as soon, if not sooner, eat the young and tender hardwood shoots, and the same can be said of sheep. Even coniferous seedlings are not immune so that certainty in reproduction is only assured by fencing-off the cut-over areas. Dr. Fernow predicts that "There will be a time when the woodlot will sell the farm or will be a

Alee McGregor, Peterhoro Co., Ont.
Alfalfa is gradually gaining a foot-hold in our county and we are all more than pleased with the crop, particularly those of us who are dairy farmers. We started in with the crop four wears are seeding and seed of the crop four wears are seeding. farmers. We started in with the crop four years ago, seeding six acres that year. This year we will have eight acres to cut, and have an additional eight acres seeded this spring. With our 16 acres next year, we expect to our 16 acres next year, we expect to have a crop of alfalfa that will be a money maker.

money maker.

As our speciality is dairying, the dairy herd get the most of our alfalfa hay. For winter feed it is unequalled, they cannot get enough of it. One summer we fed alfalfa hay to our herd when the pastures were abort, and they milked well on it. We seed with a nurse crop of oats.

An Old Stable Remodeled

(Continued from page 4) litter carrier, one can go anywhere with it and in addition, to use Mr. Hallman's own words, "The men have to keep the feeding alleys clean or they can't push the cart."

The attractive point about this stable is that there is no great expenditure involved in its construction and it is all made at home.

Water is carried from a cement tank in one corner of the stable to the individual water basins in front of the cows through an inch and a quarter pipe with a three-quarter inch branch to each bowl. The water is pumped by a windmill.

Another feature of the stable that Another reature of that that Mr. Hallman consider able, is the covered exercity of the cows in winter. He was may enjoy themselves on without the usual discomfort sold and wind

I received my pure-bred Yorkshire boar for securing nine new yearly sub-scriptions to Farm and Dairy from Mr. Arthur H. Tulta, of Tweed, Ont., and must say he is a beautiful pig. Only one day's work won this fine premium for me.—P. F. Carley, Prince Edward Co., Ont.



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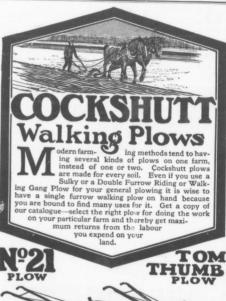
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**N o. 21" Walking Plow has a very famous Cockshutt bottom and board, designed for general purpose work. It will run a furrow to 12 in. wide by 8 in. deep. When you take hold of the handles it "feels" right and in the field it "acts" right. Strong and durable.

plow for a team or one-horse, with a short well-rolled moldboard. This is a handy little plow for all kinds of small plowing jobs, and a time saver on dozens of occasions. Can be used for listing, etc. on row crops. See catalogue.

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Sold in Eastern Ontario and Eastern Canada by
THE FROST & WOOD COMPANY LIMITED
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SOVEREIGN Sheathing Feit is really light-weight RU-BER-OID Roofing — a thick, waterproof, windproof, insulating blanket which keeps a house warm in whiter and cool in summer. It will endure and protect as long as the building stands.

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GINSENG, grown in woods, two year roots for sale. Seed crop, 1912. — J. Tamblyn, Blyth, Ontario, R.R. No. 8.

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

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"Clay" Gates

STRONGEST and best farm gate made. 30,000 sold in 1912. Can't sag, bend or break. Can be raised as shown. Good for Winter and Summer. Send for The CANADIAN GATE CO. Ltd.

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Farm and Dairy Premium Shears?

Just think how much it will please her to have a pair of these shears. And just think, you can get them FREE; they won't cost you a single cent. They are a prize we are going to give you. Don't you think mother would be pleased to have these shears, which her little boy or girl has won as a prize? I do. I think she would



They are of spiendid material, always ready to cut anything and everything. They are well and strongly put together, and set with an adjustable screw, that can be loosened or tightened according to the work to be done.

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Now that the young people are having holidars, they should all make the very best use of their time. Get out and do a little carvassing, and do some heating You will use your persons of you. Send only ONE new subscription to Farm and Dairy and we send you a pair of shears. Int that easy, one subscription? darly you get you you have you will not you see how you will not you see how you want you will not you see how you want you want

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Peterboro

POULTRY YARD Paranasanasanasanasana

The Overfeeding Myth By F. C. Brown

It is surprising the number of peo-ple who continue to believe that the heavy layer can be overfed. We never hear any warning being given the dairy-farmer not to overfeed his heavy milkers. True. with both the egg type of bird and the deep miking cow the feeding of highly concentrated food can be overforce, but food of the right description can never be fed in excess in either case.

In the old days, when birds were only capable of laying half the eggs now regarded as essential to profitable was possible production, it was possible to make the birds overfat, and consequently unhealthy. It is very different with the type now favored—birds bred ac-cording to a pedigree of yielding-capacity, and shelling out a two ounce product of the most highly concentrated material known in the anicentrated material known in the animal kingdom day after day for probably over 200 days out of the 365. Obviously such birds must have the necessary material from which to manufacture their phenomenal product and at the same time maintain the bodily vigor necessary to enable them to do so, especially in cold weather, when stinting in the food-supply is fatal to production. GOOD FEEDERS THE SUCCESSFUL ONES

In the hundreds of visits I pay to utility poultry plants during the year invariably find that it is only where he food is supplied with unsparthe food is supplied with anspar-ing hand that the egg yield is satis-factory, whereas where any attempt is made to calculate the slowance for each bird the results agyield are generally disappoint Only the other day I visited man who had 320 fowls, and who was not only feed man who had ing them on the special ounce a bird at the evening meal sometimes advo-cated, but was not as careful as he might have been as to the time when might have been as to the time when he fed them. His egg-yield was ac-tually less for the month than that of the 15 birds of a neighbor who be-lieved in giving his fowls all they could eat. Of course, it is not everybody who

Of course, it is not everybody who follows the latter principle who gets the eggs he should. He may scatter the food broadcast, but if he fails to keep the birds provided with fresh water and grit his returns will still water and grit his recurris will still be disappointing. Again, he may not have the right class of birds. The man who stints his fowls cannot have that true regard for animals which a

that true regard for animals when man must possess to make a success of handling any class of live-stock. Hand-in-hand with spare feeding is generally found a neglect of those many details strict attention to which essential in managing poultry to advantage. and vermin is abundant—the blood and vermin is abundant—the blood-sucking insects making a greater drain on the animal system than the heaviest laying—the yards are foul, and water, grit, and green stuff are seldom in constant supply. He who stints his fowls would be better em-ployed at some other occupation.

Anent Marketing Eggs

The Ohio Experiment Station cently published the results of an investigation that they have been con-ducting into the poultry industry of that state. As might be expected a that state. As hight be expected a weak point in the business was the marketing. Here are a few of the things that L. H. Goddard who conducted the investigations has to say about the marketing end:

"But the most serious objection to the present system of handling eggs is that the price paid for them, being to a great extent a reflex of the demand,

Reseaseseseseseses is directly influenced by the low quality of the offering. who gets a poor quality of eggs his grocer usually buys some who gets a poor quality of eggs from his grocer usually buys some using else the next time he goes marketing and so lessens the demand and ds-creases the price. Thus the produce suffers for every nest egg, stale or dirty egg that he takes to market, and he likewise suffers for the rould and odor imparted by the loose methods of the general merchant. He the transportation company; eggs in cases unprotected from the sun on a cases unprotected from the sum a railway platform or in hot freight cars, which are little less than large incubators, deteriorate rapidly. He suffers from the mis-branding of the eggs in the hands of the retailer. He more than anyone else, is interested in a more simple and more direct method of handling the product. A STEP IN ADVANCE

from the producer on a candled, i.e., on a graded basis, so that he will receive a first-class price for a first-class product, thereby putting a premium on freshuess and cleanliness, would be most helpful. This, coupled with most helpful. This, transportation under carefully guard honor ed sh'pping conditions and honest handling by the retrilers, would re-sult in putting into the hands of the suit in putting into the names of the consumer a clean, wholesome, nutri-tious food product at a price much less than what is now paid for a very indifferent article and at the same time would increase the profits to the

"When eggs can be delivered by the producer direct to the consumer, it is an ideal way of marketing the pro-duct and should be followed more extensively than it is; however, only insignificant number comparatively can be handled in this way. can be handled in this way. The suburban and city lot poultryman should certainly stimulate such a trade. Indeed, it is only by so do ing that he can successfully compete with the cheaper production under

farm conditions.

"Marketing through the creamery has much to commend it and has been tried with some success."

HORTICULTURE

Apple Dealers in Western Canada

The success of apple growing as an industry depends to a great extent on the securing of a good market. It is uncommon occurrence almost eve fall for great quantities of apples to lie about under the trees to rot or to be fed to hogs as no good market is accessible. While the fruit is thus is accessible. going to waste there are thousand of householders, more especially in the Prairie Provinces, that are long ing for fresh fruit of a sort that can be stored and drawn upon during the winter months.

The difficulty of the one class is to reach buyers for the fruit and of the reach buyers for the fruit and of the cher to find a supply at a moderat price. To bridge the gulf that separates these two classes, and thereby d both an invaluable service, the Dairy and Cold Storage Commissioner has issued a list of the wholesale and relastice a list of the wholesate and sections of katchewan, Alberta and sections of New Ontario whose addresses were available. These, which number about 275 dealers and firms, with jer exceptions, are said to be in a post tion to buy at least one carload of fruit. This information is given in Circular No. 8 of the Dairy and Cold Storage Branch, copies of which my be secured free from the Publications Branch of the Department of Agriculture, at Ottawa.

satisfied An honest pack means

August 14 The Hire A. J. Smith There has about the hir ing some exp and also exp management o

None of th struck me so farmer who int bor's hired hel that a hired n going concern has his labor to going conce illustration county of Victo One farmer

his neighbor ha was badly in no the farmer wh if he would al him out for a was in a very farmer and wo That is what

ing concern. E that following t second farmer h brought up in a good surroundi have known the have put any te man's way. I can recall where a farmer driving along ti

noticed a hired nearby field wit The son went i labor than he w present employe the man accepte selling his labor But were that fa lowing the Gold we read in the it profit a man world and lose think it would be a man to profess to the Golden Ru

Commandment v servant nor his anything that is Let every Cl farmer that want er one thing ab Golden Rule, an to interfere with 53VS : "Wherefor rother to offend while the world st ny brother to offe that to our hired l

an illusion as to w ent meant by a "g as applied to a f which up-to-date vogue, where pure and where the hire tion to learn smet tot learn on the a proprietor of such help easier than l neighbor even if same wages. And I rob" his neighbor

nterfere while th Note-Mr. Smit

Quack Grass Bu Andr

Where a field is ! ick grass it shou ve to eight inches be hay or grain cro lerably early in Au the grass must low ualconsumer eggs rom something marketing and de producer, stale or market, the mould and de

1913

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******* Vestern t extent on ket. It is

lmost every apples to to rot or to ood market ruit is thus thousands pecially in rt that can during the class is to that separ thereby do

the Dairy ssioner has nitoba, Sas sections of resses were is, with few in a post is given in ry and Cold which may Publications nt of Agri-

as satisfied

A. J. Smith, Victoria Co., Ont.

There has been considerable discussion of late in Farm and Dairy about the hired help problem, giving some experiences of hired men, some control of the section of the management of farm helps and the section of t

a going concern. Let me give you an illustration of this in our own county of Victoria:

One farmer had a hired man and his neighbor had not. This neighbor had not was badly in need of help, and asked the farmer who had the hired man if he would allow his man to help him out for a few days. The result was in a very short time the hired man was induced to leave the first farmer and work for the second.

That is what I understand by a going concern. But was it right? Was that following the Golden Rule? The second farmer had lots of money, was excound farmer had lots of money, was cool afformer had lots of money, was good aurroundings. He was a Sun-

brought up in a good nome and with good surroundings. He was a Sun-day School superintendent and should have known that "Love worketh no ill to his neighbor," and should not have put any temptation in the hired

have put any temptation in the hired have put any temptation in the hired in the put and t

Let every Christian and every famer that wants hired men remember one thing above all others, "The Golden Rule," and if we are tempted to interfere with our neighbor's help let us look up 1 Cor. 8: 13 where it says: "Wherefore if meat make my brother to offend I will eat no meat the says: "Wherefore if meat make my brother to fend I will eat no meat the says: "Wherefore if meat make my brother to fend I will eat no meat the says: "Wherefore if meat make my brother to meat the says: "Wherefore if meat make my brother to our hier delp and the will interfere while the world standeth. Nors—Mr. Smith is laboring under as illusion as to what our correspondent meant by a "going concern" as applied to a farm means one on which up-to-date methods are in regue, where pure bred stock are kept and where the hired man is in a position to learn amething that he could be learn on the average farm. The proprietor of such a farm will get my means on the says of the ways only the such as a supplement of such a farm will get my means of the pays only the such as a 'rob" his neighbor either .- Editor.

Quack Grass Eradication

By Andrew Boss.

Where a field is badly infested with mack grass it should be plowed from we to eight inches deep as soon as he hay or grain crop is removed, pre-scably early in August. All portions of the grass must be turned under. Within a few days the plow should be

The Hired Help Situation [O]

A. J. Smith, Victoria Co., Ont.

There has been considerable disussion of late in Farm and Dairy bout the hired help problem, given the hired help problem, given the hired help problem, given the hired help with the hired hire freezing weather.

and occasionally after that until
freezing weather.

The following spring cultivation
should begin early, and be practiced
should begin early, and be practiced
due of May, when the field may be
planted to silage or fodder corn.
Thorough cultivation of the corn
should complete the eradication under
favorable climatic conditions.

Short crop rotations are useful in
keeping quack grass under control
and when arranged so as to provide
and when arranged so as to provide
and when arranged so has to provide
and when the first time, they will per
mis eradication of the weed without
losing the use of the land.

The Management of the Dairy Farm at Dunrobin

(Continued from page 3)

(Continued from page 3)
average farmer, for we have no definite hard and fast rule. A good feeder is born, not educated. Each individual cow must be watched and treated according to her tastes to get the best results from her. The second is a second of the second of t

limbering up.

In using the stanchion ties, we find that unless the cows are allowed a little freedom by the company of the co

Agricultural Education

(Continued from page 2) crops and test methods of cultivation through the children's school-farm; it will be the local easily spot with neat fences, well kept buildings, lawns and flower bear of will be the local playground, not not be local playground, not make the children but for the grown-ups of the children but for the grown-ups of the will be the local centre for social gatherings; its library will serve everyone with books, magazines, bulletins and reports that concern themselves with the farm work in home and field as well as with literary matters. crops and test methods of cultivation

ters.
"It will give our boys and girls in
the country an education for life."—
Richard Lees, Inspector of Schools
for Peterboro County.

The executive in charge of the new National Live Stock Exhibition, Toronto, have prevailed upon Mr. A. P. Westervelt to act as manager. The Later has tendered his measurement of Hon. J. S. Duff, as Director of Hon. J. S. D

Hot weather still remains with us, so do not fail to provide fresh water, shade and green food.

We find Farm and Dairy very in-teresting and hope that other readers find it the same.—Miss M. Wigfield, Jacques Cartier Co., Que.

To Our Advertisers

The Results from Your Exhibit at

Toronto Industrial

are not measured by the number of people who merely saw it

by the number who saw your goods and were interested—interested enough to want them, and in short, by the number who now need your goods and with whom you "got in touch." Arrange to have "Our People"—The Dairymen meet you at your exhibit on the grounds.

Let them know in advance what you will have of interest to them and where you will be located.

Aug. 28 is the date Exhibition Number

Have you reserved space in it? Do it **Now.** You will thus secure good position and better service.

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ORDER AT ONCE

You'll soon be fertilizing your soil for fall wheat. While we can promise prompt shipment of Harab Fertilizers, we cannot be held re-sponsible for railroad delays that might occur in transit. To make



on hand when you need them urgently, place your order at once. We recommend Harab No. 6 for the best results with your fall wheat. If you haven't a copy of our Fertilizer Guide Book write for a copy to-day. It tells about the other 19 Harab Fertilizers.

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GRAND TRUNK RAILWAY SYSTEM

FARM LABORERS' EXCURSIONS

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\$10.00 TO WINNIPEG

Plus half cent per mile from Winnipeg to destination, but not beyond Macleed.
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Ortario, Trunk Pacific Railway is the shortest and quickest route between Full particulars at all Grand Trunk Telement, or write O. E. HOENING, D.P.A., G.T.By, Toronto, Out.

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WINNIPEG AND RETURN ... \$35.00 EDMONTON AND RETURN ... \$43.00

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FARM AND DAIRY

AND RURAL HOME

Published by the Rura, Publishing Company, Limited.

of Vibro

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friends, through the meanin or these countries to mine; but we shall not attempt to adjust trifling disputes between subscribers and honorable business men who advertise, nor pay the debts of honest bankrupts.

FARM AND DAIRY PETERBORO, ONT.

THE SINGLE TAX

There is much misconception about the Single Tax, even among people who should know better. Because most of the cities in British Columbia and Alberta are now raising their revenue by a tax on land values only, it is said that they have the Single Tax. That is incorrect. The people in these provinces are still paying provincial taxes in various other ways as well as their share of the heavy customs taxes that apply from one end of Canada to the other.

Under the Single Tax all taxes, municipal, provincial and national, would be raised by a tax on land values. There would be no customs taxes. Trade would be free. It would still be possible to put a tax on those things that we do not want, such as a tax on dogs, to keep down their number, or on liquor, to restrict its sale, but in the main the revenue of the country would be raised by a

single tax on land values. None of us may live to see the Single Tax in full effect in Canada. It has many more arguments in its favor than the average man has any conception of, and the principle it envolves is making rapid headway, especially in western Canada. As the great farmers' organizations of Canada, after studying it carefully, have endorsed it heartily, most of us will do well to pay more attention to it hereafter than we have in the past, as it is steadily attracting an increasing share of public attention.

EXHIBITION ATTRACTIONS

Directors of the average fall exhibition have difficulties of their own to contend with in the matter of obtaining attractions that will please the public without exceeding an expense limit within the reach of their societies. The competition of other local fairs adds to their trials.

We never know how strong we are until we are tempted. This may explain why it is that so many estimable men who are directors of agricultural societies give at least their tacit and in many cases their open approval to their societies engaging attractions or permitting sideshows on their grounds that should never be admitted within the gates of a properly conducted agricultural exhibition. Of late years a common sight at many exhibitions has been sideshows of girls who give dances in front of the tents in an effort to entice the public to enter and thereby part with their money. We venture to say that not a director of an agricultural society in Ontario would approve of his daughter or sister taking part in such a performance. Yet the fact remains that the girls who do are the daughters and sisters of other men and women. Why should our agricultural societies, therefore, encourage them to do that which any man with average moral instincts does not within his heart approve of? It is to be hoped, therefore, that at this year's exhibitions, side shows and undesirable attractions of this character will be barred. The responsibility for their being at exhibitions will rest on the shoulders of the directors in every instance.

What has been said of side shows of the mentioned character, applies with equal force to games of chance of all kinds, which, while prohibited by law, are still allowed by many exhibitions in the hope that their presence will not be detected by the provincial police. The directors of many agricultural exhibitions need a higher sense of their moral responsibility in matters of this kind.

PARCEL POST TROUBLES

United States Postmaster-General Burleson announced recently that on August 15th rates on parcels carried under the new parcel post regulations will be reduced and the size of parcels accepted for mailing increased from eleven to twenty pounds. No sooner had this announcement been made than trouble began to brew. A big delegation of railroad representatives swooped down on Washington

to lodge their complaints. They were followed by representatives of the other interests that have been opposing parcel post legislation in the United States for the past forty years. It looks at present as if the United States are to have another fight before they can secure a parcel post measure that will be fully satisfactory to the people.

We cite this instance to show how strenuously capitalists will oppose any measure that threatens to cut into their profits, no matter how beneficial that measure may be to the people at large. We in Canada can afford to take this instance to heart. A parcel post measure has been promised for the next session of Parliament. Just whether or not that measure will be a useful one will depend on how vigorously producers and consumers press their claims. Of one thing we may be sure. The railroad companies, the express companies and the Retail Merchants Association will wage a most vigorous fight against any and every useful proposal that the government may make. Those of us who will benefit from parcels post can exert a much greater influence than any aggregation of capitalists if we will. All that is necessary is for each of us to write a letter to our member at Ottawa expressing our views on the subject.

COMMUNITY BREEDING

Have you heard of the Waukesha County Guernsey Breeders' Association? This association is composed of several hundred farmers in Waukesha County, Wisconsin. It was formed a few years ago by a few dairy farmers with nure bred and grade Guernsey herds who saw that through cooperation they could do more to improve their herds and market their surplus stock than would be possible when each man worked individually. The association has grown in numbers and in influence from the start. So marked has been the improvement in Waukesha county Guernsey stock, due to the use of community owned sires, that to-day buyers go to Waukesha from all parts of the United States and buy Guernseys by the car load.

Perhaps the best testimony we can offer to the success of this cooperative association of breeders, is the extent to which it has been imitated throughout the whole state of Wisconsin. On January 1st, 1910, the latest date for which we have authentic figures, there were no less than 31 community breeders' associations in Wisconsin, some of them doing a business running well over \$100,000 a year in pure bred cattle alone.

We in Canada are making a start in community effort among breeders. Most of the cooperative associations so formed, however, have been simply sales organizations. Here and there these organizations are also working for the improvement of the stock of their members. The greatest field for community effort, however, the improvement of the grade or scrub stock of the country, has as yet hardly been touched.

Here is a great opportunity for dairy farmers who are filled with am-

encommon money

\$40 to \$62,500

A MOUNTED policeman, in 182, bought two lots in Saskation to fire \$86. He afterwards sent of the \$1.00 to \$1.00 settlements throughout Canada, it all goes into private poThe taxation of land values we place this immense hund, or by the public at large, into the public at large, into cation, public improvements, and police protection and all functions of government, ing public revenues than taxin food, debthing and homes of propher—Grain Groveres' Guide.

Same and the same

bition to improve their herds, but have little capital with which to do h Why not imitate our brethren to the south of the line and do cooperative what we cannot do individually? few public spirited dairymen here an there could establish in every coun in rutal Ontario an organization sur as was established by those Guerns breeders in Waukesha, Wis., man years ago. What a grand thing the organizations would be for the dain industry! How beneficial would b their results to each cooperating dain farmer!

Did you read that little article "Te Prevent Silage Spoiling," in Fam and Dairy recently? Did you so ice the last paragraph

Pass on in which Mr. Free Your Ideas, says: "As we get many useful hints in rea

ing Farm and Dairy, we thought th our experience might be of use t others." Mr. Frew had discovered good point that he knew would be interest to every man who owns silo. He wished to pass the go news around and accordingly h wrote to Farm and Dairy in ord that our thousands of subscribe might benefit from his discover Similarly hundreds of Farm a Dairy readers, we are sure, ha splendid ideas that they have de covered from their own practical a perience, which they gladly tell the neighbors, and which their neighbor gladly receive. Why not pass y ideas on to thousands of your brothe farmers by writing a short letter! Farm and Dairy about your disco eries as did Mr. Frew. "Our Folk would appreciate it.

Educating the Farmer

Farmers' Sun. It is idle to hope that the lot of farmer will be improved or that a exodus from the land will be stars The trouble is not lack of edu among the farmers, but lack omic interest. Make farming as fitable as other enterprises and will flock to the land and will flock to the land and display ple skill as well as a love for the first lid soil. For that reason we shave advised the application of whole sum to the creation of more opportunities of profit, like markets and correction of the tra

The larger tario's share be devoted agriculture for

August 14

Pedig W. F. Stevens sione

The time to when it is de breeders are ho crastinating, so order against loss at crastinating an pure bred anin esty they have hold a part of t the pedigree is eposit it in a delivery of pro

This can be either buyer or ce with bank are always wi



Perman This hollow tile

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The time of ye every person who a pure bred anir mind the warnin pay for a pedigr

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A. P. F., 1 "Oh wad some as; to see corse! were the words of This quotation fl as I sat in the tr a trip to Toront had bourded the t who were appare in and took posse rectly shead of m Judging from tion that floated

had evidently be in the country s their trip.
"I can't see," s assesse.

an, in 1902, an Saskatoon wards went teturning ten peperty, still te increased atted by the tunder our policeman, doubt done the frozen ling to in lin the Sase e same way to many been creat.

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ng," in Fam Did you n last paragraph ch Mr. Free As we get many hints in read ve thought the be of use to d discovered ew would be who owns pass the good accordingly b Dairy in ord of subscrib his discover of Farm # re sure, ha they have di n practical a gladly tell the their neighb not pass y of your broth short letter!

Farmer Sun. at the lot of

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red or that i will be stay ck of educat ut lack of en farming as p rises and pee and display we for the f sason we s ation of great

500

14, 1913.

tration.

This can be done without exposing either buyer or seller to any risk and is perfectly fair to both. My experience with bank managers is that they are always willing to perform this

The larger part of \$195,000. Ontain of the proper cardinating and negligent, buyers of grain with breeders of whose honestly when he was the heads of the proper cardinating and negligent, buyers of grain with the selfers is supplied or at least to deposit it in a bank to be paid upon direct strain.

The can be done without expessing the same of the proper cardinating, and negligent, buyers of grain the part of the purchase money till the selfers is supplied or at least to deposit it in a bank to be paid upon deferred in the proper cerificate or registration. er and believe farming to be the most honorable occupation a man can have. I used to throw out my chest and say to myself, "it isn't what a man wears, it's what he is, that counts," But when I overheard the comments of Mr. Blank's friends I began to look



Permanent Construction is Better Than an Insurance Policy

This hollow tile silo and the round frame barn were built at the same time on the farm of J. W. Morgan, Illinois. The tornado that demolished the barn had no effect on the silo.

wakes up to the fact that he has been "done." Sometimes he has sold the progeny of these animals with a promise to supply pedigrees, and he finds himself exposed to the danger, not only of diagrace, but also of an action for damages. Now all of this could easily have been avoided by the exercise of a little caution at the time of history.

buying.

The time of year is at hand when every person who contemplates buying a pure bred animal, should keep in mind the warning contained in our opening sentence, that the time to pay for a pedigree is when it is delivered.

As Others See Us

A. P. F., York Co., Ont.
"Oh wad some po'er the giftie gie
as; to see corsels as ithers see us,"
were the words of the immortal Burns. see the words of the immortal Burns. This quotation flashed into my mind at I sat in the train one day while on a trip to Toronto. Shortly after I had boxeded the train, two gentlemen, who were apparently city bred, came in and took possession of the seat directly shead of mine.

Judging from sevens of converse.

recty anead of mine.
Judging from scraps of conversation that floated back to me, the two
had evidently been visiting a friend
in the country and were discussing

service for the protection of their patrons.

As a rule the buyer pays over his mosey or writes his cheque for their mosey or writes his cheque for their mosey or writes his cheque for their mose of their mose of writing and the seller promises to forward a peligreous soon as possible; then, after a year or more of waiting, has year or more of waiting, has been up to the fact that he has been "done." Sometimes he has sold the "concern of these animals with a promoseny of these animals with a pro-

A Taxation Suggestion

A Taxation Suggestion

Harold Snow, Vancouver, B.C.

In Farm and Dairy of July 10th
you publish an article on the question of "How shall the people be fed?"

In British Columbia lightly timbered land is being held at \$100 to \$200
an acre by men living in the cities
who will not work it themselves, and
by reason of the price they demand
make it impossible for anyshody else to
do so. If all unimproved land fit for
agricultural purposes were heavily
taxed on the assumption that the
land is worth \$150 an acre and imland is worth \$150 an acre and immost of the properties would change
hands at a group-erties would change
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Judging from scraps of conversa-tion that floated back to me, the two lad evidently been visiting a friend Farm and Dairy, Adolph Bros., in the country and were discussing their trip. "I can't see," said one, "why Blank read 99.7.

"DOG DAYS" THE BEST TIME TO BUY ONE

There was never before as good a time to buy a DE LAVAL Cream Separator as right now.

The "dog days" are at hand when dairying is most difficult without a separator and when the increase in quantity and im-

provement in quality of cream and butter

separator, which with present high prices means even more now than ever before. Then there is the great saving of time and labor, which counts for more in summer than at any other season, and often alone saves the cost of the separator, aside

are greatest through the use of a good

from all its other advantages. This is likewise the season when DE LAVAL superiority counts for most

over other separators,-in closer skimming, larger capacity, easier running, easier handling, easier cleaning and absolute sanitariness.

A DE LAVAL Cream Separator bought now will easily save its cost before the end of the year, and it may be bought for cash or on such liberal terms as to actually pay for itself.

Look up the nearest DE LAVAL agent at once, or drop us a line and we will have him look you up.

DE LAVAL DAIRY SUPPLY CO., LIMITED MONTREAL PETERBORO WINNIPEG VANCOUVER

Keep The Boy On The Farm

By making home interesting for him. Give him his own interests, and see

Get Him Started Breeding Pure Bred Stock

It not only pays, but has kept thousands of boys at home interested and happy.

Two Of The Many Who Were Satisfied

July 16, 1913 Farm and Dairy Peterboro

Received my dandy, and I am much pleased with it, and it is much larger than I expected.

Thanking you very much for it. I remain as ever,

W. O. LINT P.S. Will send photo of it later

A Premium Pig This is the picture of one of the many prise pigs Farm and Dairy has given away within the last year. It is a Yorkshire splendid for Bacon and for which there is always a good market.

July 17, 1913 Farm and Dairy Peterboro

Yours etc. ROBT, NEEDHAM

Notice the interest displayed by the boys whose letters appear above! Will they be likely to leave the Farm? Are they more interested in the City than the Country?

FATHER-MOTHER

Keep your boy at home by helping him to get Nine New Subscribers to our paper, and a Pure Bred Pig.

Don't fail to take advantage of this opportunity. Fill in the blank now and be sure to get your supplies right away.

Farm and Dairy Peterboro

P.O.....

Peterboro
I will try and secure 9 new subscriptions
to earn a pure bred pig. Please send me
sample copies, receipt forms and order
blanks. Signed ...



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for dairy purposes or you are

T has repeatedly been stated by some of the best posted author-

had to buy a silo every year he would still be money ahead.

a silo. It insures for the dairyman a larger milk flow in the winter

or during dry weather and takes the place of grass for steers or

you the best service and keep your silage in the best condition.

ities on farm economics that even if a dairyman or stock raiser

There is absolutely no question about the advantage of erecting

If you are considering the silo question, a little investigation must convince you that the IDEAL GREEN FEED SILO will give

All our silo staves are thoroughly air dried and then saturated

You will find our new silo book contains much information about

with a solution which prevents rot and decay and adds many years

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.

VICTORIA, B. C.

SEND \$1.00 receive by mail 4 Shirt Walsta, one of White Lawn, lose trimmed, and 3 of Print, light, with sky designs; all different; size 20 to 44; add 15c for postage. STANDARD GARMENT COMPANY, LONDON ONT.

a stock raiser.

sheep during drought.

to the life of the silo.

Fill In This Blank

Good Silo

Creamery Department

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

Hot Weather Suggestions

By Chas, E. Lee

1. All milk and cream producers should cool the product as soon as possible after it has been produced, keeping it in a cool, clean place until it is delivered. Do not put warm, fresh cream with older cream until it has been cooled down, and stir at least

twice a day.

2. When the cream is collected by haulers, the wagon containing the cans should be covered, or a wet blandard way the cans. cans should be covered, or a wet blan-ket (kept wet) placed over the cans. The danger of overheated cream is greater when the patrons' individual cans are collected in place of using the 20 or 30-gallon jacketed cream cans, because of a greater surface being exposed in proportion to the amount of cream handled.

3. In localities where the cream-





Are highly recommended by H. Brault, St. Urbain, Que.

news regarding my Ideal Green Feed Silo, which gives entire

I have used ensilage since the 15th November last, and I am well pleased with the advantages and benefits derived from same every farmer knew of the advantages of this silo, and the money they lose on their car without one, they would be much surprised.

This year I have sold fifteen tons of hay and ten tons of straw, which I would not have sold had I not had a Silo, and I think that I will save enough this year to pay for my Silo.

DE LAVAL DAIRY SUPPLY CO., Limited

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA

MONTREAL

PETERBORO

WINNIPEG

VANCOUVER

haulers are on the road eight to hours, it might be well to provide is in order that about 20 pounds may be placed in each can just before the first

4. All cream should be strained in the receiving vat or ripener, in order that any churned fat or particles curd may be removed.

5. When the acidity of the creation has reached 4 per cent, cool at on to a temperature of 46 degrees at hold for at least two hours before noid for at least two hours being churning. If the cream is held on night after cooling and the temper ture has increased above 52 degree it must be re-cooled before churnin Always cool cream sufficiently low: allow for increase in temperata during the holding period.

6. The granular butter should be over-churned. Excessive churning or working of butter has a tendence to injure the grain and its heat n

7. During the summer months the butter should not be softened by means of the wash water. A temperature of 54 degrees should not be xceeded

8. The salt should not be stored i a room that is too warm. It is a good plan to weigh up the needed salt who the cream has been cooled and plan it in the refrigerator until required The temperature of the salt can be reduced by mixing it with an equivolume of iced water.

9. The butter should not be over-worked because it destroys the grain Churnings of uniform size, handle alike as to the size of the granule alike as to the size of the gramial and temperature, can be worked a diffinite number of revolutions. If if the state with the salt is added and then allowed stand for 16 minutes before working is necessary to unifer it is distributed the salt than if the tot is massed before the salt is added the salt is added to the salt is added and the salt is also the salt is able to the salt is

10. The butter must be firm before 10. The butter must be firm before it is shipped and it should not placed on the depot platform a green while before it is loaded into a stringerator car. As an illustration while before it is loaded into a: frigerator car. As an illustration one instance that came under the writer's observation, may be cite A shipment of butter was placed in freight house, located only to blocks from the creamery, between l blocks from the creamery, between and 11 a.m. on a hot day recently. The freight train had not arrived a 4 p.m., and the temperature of the room exceeded 90 degrees. The but termaker remarked that he had a served on several occasions that the butter had softened while on the butter had softened while on the depot platform waiting for a dears freight to such an extent that whe the tubs were handled in being less ed, butter would be forced out be tween the tub and the cover.

11. When the butter is hauled from

11. When the butter is hauled for the creamery to the railroad stata, the tubs should be covered with a se blanket (kept wet). If the distas-exceeds six to eight miles, most his ers prefer to make the trip early in the morning; this is detrimental is the butter when the refrigerator or is not due at the station until 4 bi

12. While the butter tubs are stand ing on the depot platform they shed be covered with wet blankets or obs-wise protected from the sun and lat 13. The butter industry of the con-

try is of sufficient importance to war rant the building of refrigerators important shipping points important snipping points where ex-ter can be placed until the arrival the refrigerator car, and it is host this much needed improved method-handling perishable freight will inaugurated in the near future.

We wonder if the good cows in so of our dairy herds do not get into nant at being asked to take care the losses made by the poor of standing next them.

***** Chees

August

******* Notes fr

T. E. Who For the Is

have bee ite. In ma f securing by regular he milking we persons,

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*************** Cheese Department

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 Makers' Department. just before the first uld be strained into jects for discussion. Address servers to The Cheese Makers' Department.

Notes from Prince Edward County

7. E. Whattam, Dairy Instructor, P. E. Co., Ont. For the last two years there seems to have been a steady reduction in the number of cows kept in my syndihe number of cows kept in my syndi-nie In making inquiries among the atrons, the chief cause for this con-dition given by them is the difficulty of securing hired help. In many cases as regular hired help is kept and all the milking has to be done by one or the persons, and the result has been a reduction in the number of cows.

I visited 264 patrons during the seaso of 1912 for the purpose of im-proving the milk supply. In the ma-prity of cases I found the trouble seming from the same causes as femer years.—lack of proper cooling of the milk or just plain dirt. These to things are at the bottom of most of ear troubles, both on the farms and in the factories. If the patron is meless about these things, his milk meless about these things, his milk be maker is not careful cheese. If the maker is not careful to see that is factory and utensils are kept in a anitary condition, troubles are super to arise from these sources. All utents should be thoroughly washed and as should be incroughly washed and added each time they are used. If re are ambitious to make a success of ar work we should have this one notic constantly before us.—that remlines is next to Godliness, espedialistic to dairy business. ally in the dairy business.

I would like to say a few words bout the manner in which the cul-tres are kept. It seems to be a bott the manner in which the cul-ures are kept. It seems to be a abit of a good many makers to de-sip a very strong acid on their arters. This is a bad mistake, and any cultures have been spoiled in is way. I would advise to seed the has say. I would advise to seed the mitres lighter and do it as soon as he milk is cool enough. One will get keidedly better results from a start-t showing from 60 to 70 on the acid as than from one showing from 80 a 100, and the starter will keep in sed condition much longer.

There is one branch of the business at always done as well as it should a I refer to the pasteurizing of a whey. In some cases the manage-I refer to the present of the same, it is some cases the manages of the factories seem to think at the makers should do this work ittle or nothing. This is a miss. This work worth doing as it said be done. In a good many as the whey is not heated to the same and in others so oper temperature and in others so the whey was carried over from day day that the benefits of the pasraizing was completely destroyed. I this work is properly done it is a this work is properly done it is a sure of benefit and profit to both stron and maker, but if loosely done, is a damage to both. The average acunt of acid on the pasteurized set last season was .50 of one per et. The lowest was .21 and the skest .75. . . .

A number of patrons have equipped A number of patrons nave equipped enselves for taking proper care of eir milk by building ice houses in mection with their milk stands, or digging wells into which they er their milk at night. I don't they are gotting any better milk er their milk at night. I don't ink we are getting any better milk our factories than what is cared in this latter way.

The interest in silo building still Ont.

continues throughout the district. continues throughout the district. About 50 or 60 new ones were built last season. A peculiar thing about silo building is that it sense to go on in certain sections. When one silo is built in a neighborhood it is not long before a number go up.

Gassy Milk and Curd

Cassy Milk and curd
Every cheesemaker of experience
and individuality has his own pet
scheme of handling gassy milk or a
gassy curd, and rare it is to find two
methods that agree in every detail. If the fault is discovered early enough
it the fault is discovered early enough
in the course of manufacture it can
in the course of manufacture it can usually be overcome (though often only at some sacrifice of yield) and a fairly close boring cheese produced, which even if not of the highest grade will often squeeze through without rejection by buyers.

But there are any number of batches of milk containing the gas-producing organism which are not handled properly to "kill" the holes, and afproperly to "kill" the hoics, and af-ter a hot spoll such as we experienced during the latter part of June and early July this market will be found heavily supplied with cheese either pinholey or very open. It is a serious defect in the eyes of many buyers, offered in the eyes of many buyers, the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less serious to some than to the property of the property of the pro-taggle less than the property of the pro-taggle less than the pro-taggle less than

A CHOICE OF EVILS We noticed after the recent hot spell that a good many cheese came to this market free from gas, but evidently overcooked or otherwise spoiled in the process of making, and it looked as if some makers in their desire to overcome hot-weather defects had gone to such extremes that the had gone to such extremes that the was about as bad as the disease. To fish as without serious results to that gaz without serious results to the control of the serious results to the serious results of the serious results are to the value of gazen as the coperation of the cheese is a delicate operation of the cheese is a delicate operation of the serious that the control of the control of the cheese the control of the cheese the cheese

pure culture starter in his milk he is more likely to win the fight against gas than the man who is not. In the case of a "floater" the removal of part of the whey early is frequently practiced.

AFTER DIPPING

After dipping the course of treatment depends largely on the condition ment depends largely on the condition ment depends largely on the condition will be a condition of the property of the condition of the large will not start property of the condition of the large will not start case under the placed on the treatment of the placed on the treatment of the placed on the condition of the conditi caution.

When gas organisms do not develop when gas organisms on the develop in the cheese until they are on the curing room shelves the maker has less chance of avoiding a cut in price. Puncturing the rind to let the gas out will help some, and then if cheese out will help some, and then if cheese are pressed again and placed in a cold room the outside appearance will be more favorable, but the interior will still speak for itself.—N. Y. Produce

Last year complaints from the Old Lass year companies from the One Country were quite common regard-ing the short weights of some of our cheese. Investigation has shown that this was not due to the dishonesty of the makers, but to the use of poor cales. A number of scales when test-ed were found giving false weight. See that your scales are weighing true.— G. A. Gillespie, Peterboro Co.,

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FALL AND WINTER Milk or Cream

You have got to find pur cous in the winter time who less they are milling or not, so why not arrange to milk gor not, so why not arrange to more of them earning the high price who will be to the more of them earning the high price. Furnish cans for rule produce. Furnish cans for rule produce. Furnish cans for rule produce. Furnish cans for rule produce the produc WANTED

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the scale that you can wheel about, that mounts its own load and will weigh one pound to 2,000 pounds accurately.

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Renfrew, Sept. 17 to Sept. 19 Sherbrooke, Aug. 31 to Sep. 6 Ottawa, Sept. 5 to Sept. 13

Charlottetown, Sept. 23 to Sept. 26 If you cannot meet us at the Fairs send for our catalogs

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TIM HEN a person is down in the world, an ounce of help is worth a pound of preaching. -Bulwer. ...

Mr. Tompkins' Opportunity

HE entire Tompkins family had gathered on the "front stoop." Something unusual was about to take place. Mrs. Tompkins was set-ting forth on a visit to Sister Mandy, who lived "down in Pennsylvania who lived "down in Pensylvania."
This visit had been hanging fire for years. Mrs. Tompkins had talked about making it as regularly as fall came, ever since the youngest of the family could remember, but she never got any farther than that. It was the general opinion in Milltown that the long-talked of, long-deferred visit the long-talked of, long-deterred visit would never be made. But this fall she had announced that she "was really going this time," and much to the surprise of the Tompkinses, she had made all necessary prepara-tions for going, and this morning she was actually about to start out on her trip.

They had confidently expected that she would change her mind at the last moment, but in this they were to be disappointed, it seemed, for her suit case, packed with the various articles that would be necessary during that would be necessary durins me stay at Sister Mandy's, was standing on the steps, and she arrayed in her new black alpaca, and the hat that had been "made over" from last year's one, and looked "just as good as new," as she declared, was wait-ing for Mr. Tompkins to drive around

"Now, girls, you be careful and not let the settin' room get all dirt from one end to the other while I'm gone," she said. "It'll be just like gone," she said. "I'll be just like the men folks to want to set around there, as soon's I'm out o' sight, but don't you let 'em do it. Your father would smoke there if he had his way about it. But don't you hear to it! I'd know if he did, as soon's I got back, for you can't get the tobacco smell out of a room so / couldn't smell it six months afterwards.

'I don't know just when I'll be ck. I've kind o' set my mind on back. I've kind o' set my mind on stayin' a month, if it's agreeable all 'round, for it ain't no ways likely I'll ever up o azain, an' it costs so much, I don't feel's if I'd be rettin' the worth o' my money if I dish't stay quite a spell. But there ain't nothin' certain about it. I might take it into my head to come back in less'n a week. But you take care o' the house just as I do when I'm to home—" hack home-

"I'd like to know if you're goin' to talk so long you'll get left," sang out Mr. Tompkins, who had driven Mr. Tompkins, who had diven around to the gate shortly after she had begun her parting advice to the girls. "We hain't got any too much time to catch the train." Mrs. Tompkins responded that she

Mrs. Compains responded that she was ready and had been waiting for him for "quite a spell." Then she climbed into the wagon and settled herself in the seat.

"Now, girls, you mind what I told you about the settin'-room," she call-ed back, as they drove off depot-

You needn't fret about my mussin' up the settin' room,' said Mr. Tomp-kins gruffly; I'd a good deal rather

set in the barn, any day."
"I'd ruther you would," said Mrs.
Tompkins, "That is, if you're goin" to smoke, an' scratch the varnish off'n the floor with your old shoes, an' get the sofy cushions soiled by layin' on 'em. You men folks hain't layin' on 'em. You men folks hain't no idee how much work you make round the house.

"Just on the Side" at a Farmers' Institute Picnic

This illustration is from a photo snapped by an editor of Farm and Dairy at the annual picuic of the Peterboro County Farmers' Institute. This piculo was held or the farm of Mr. T. Graham, of Smith Township.

Mr. Tompkins did not think worth while to make a reply to this last remark of his wife's, and the re-mainder of the trip was made in silence. But he was thinking seriously all the time. Fortunately—for him—his wife did not know what he was thinking about. If she had—!

After he had put his horse in the barn, on his return from the village, to the north side of the house and stood there for a time evidently taking observations. He looked at the building. Then he paced off a few feet at right angles to it, and took more observations

'I "onder what he is going to do?" said Mary.

"It looks as if he might be thinking of putting on an addition," responded Susan. "You don't suppose sponded Susan. "You don't suppose mother put such an idea in his head, do you

"No, I don't," answered Mary, very positively. "If she'd planned any-thing of that kind, she'd be here to see to it herself." That afternoon Mr. Tompkins "hitched up" and drove to the village

and came back with the local carpen-

The two men looked the north side of the house over, and Mr. Tompkins drew a rough sketch on a piece of board, and explained it to the carpenter who sat down and made some mathematical calculations, which were submitted to the other.

"That's what it will cost you," said the carpenter.

"All right—go ahead," said Mr. Tompkins, after looking the figures over. "I'll have some of the lumber on hand bright an' early to-morrer mornin', an' we'll we right at it, an' hustle it along to beat the band. You see, I'm afraid stormy weather might set in before it was done," and Mr. Tompkins looked at Silas Fondin Mr. Tompkins looked at Silas Fondin grass with a queer sort of a grin in his face, and then he winked at him mysteriously. The carpenter looked mysteriously. The carpenter looked at Mr. Tompkins in a nuzzled way for a moment, then a look of comprehen-sion stole slowly over his countenance, and he grinned

"What under the sun have you and the carpenter been putting your heads together about?" asked Mary of her father, when Mr. Pendegras had

father, when Mr. Pendegras had taken his departure.

Mr. Tompkins took the cirls into his confidence. "I'm goin' to do somethin' that mebby you'll think is ruther rash," he said, "but Im goin' to do it all the same. I've been turned out o' house an' home, as you might say. You know as much about that as I do, so there ain't no use in talkin' about it. But I've made un my talkin' about it. But I've made un my mind to make me a place of my own, that I can't be drove out of. I'm goin' to build me a room on the north side o' the house—a good, big room o' my own. I reckon your mother would say I was foolish, or childish,

it if she knew. I've thought o' doin' it more'n once, but somehow I never c'd get right down to business till now

"Now I'm goin' ahead with my idee. But don't you let on to your mother about it, if you write to her, that'd upset all my calculations fer that'd upset all my calculations. If she knew what was goin' on she'd be home to-morrer: You see how it is, girls, I don't feel as if I was to home in her part o' the house, she's so everlastin' particl'ar. I'd like a place o' my own, where I c'd do's I like, 'thout feelin's if I was mussin' up things an' makin' a lot of work for other folls!' for other folks."

"I dont blame you," said Mary "I'd have just such a room as I wantright to make yourself comfortable after working as hard as you have."
"I'm glad you look at it in that

way." said Mr. Tompkins. "It shows

way." said Mr. I'ompkins. "It shows you're sensible. But—what do you s'pose she'd say, if she knew?" "I don't know what she'd say," answered Mary. "but I do know what she'd do—she'd take the first train for home." On the morrow building operations

began, and went forward rapidly. As the addition grew towards com-pletion, Mr. Tompkins felt his dread of his wife's disapproval growine less and less. His sense of self-govern-ment and individuality, long repressbegan to reassert itself.

The time came when it was neces-sary to locate the doors of the addi-

"I s'pose you'll want one abo a place in the wall where room joined the old house

"No-sir-ee," answered Makins, very decidedly. "The be any door o' that kind in the you see, Sile,"—confident don't want to make it too -for folks in the other pa house. If theer was a I wouldn't feel so-so-If theer was a door we say so safe as I would wan't any. That is," expla Tompkins, "I wouldn't feel much by myself, you know

"Yes, I see,' answered Maras, with a grin that told fully appreciated the humosituation. "Your idee's suth line fence between proper side's mine, that side's your

"That's the idee, exactly," Tompkins.

So it came about that the So it came about that the "ozo fort room," as the girls had you in the habit of calling it, was provide with no means of communicate with the rest of the house, save h way of the porch.

Work was rushed on the addition because Mr. Tompkins felt that i wife might appear at any moment two weeks from the beginning of the room was nearly ready for occ

The old loft over the woodshed wa ransacked, and furniture that had long been discarded was brought light and again restored to usen Grandmother Tompkins' old wood rocker was given a position on a side of the fireplace Mr. Tomphi had insisted in having built, and grandfather's clock that had done most a century of duty in the fa had a corner all to itself, where, a little cleaning and oiling by of the boys it went to ticking once more as briskly as if it newed its youth. was a lounge that had done ye good service and bade fair to give many more, because it had been in the days when things were "on honor." The girls re-cove with a coverlet that Tompkins had woven in her hood, and this made it not or attractive piece of furniture, but verted it into an article of solid fort. Mr. Tompkins declared, like a piller or two for it," he "but don't you dare to rig it up

any o' your fancy sofy-cushion When everything was in plac owner of the room looked abou new possessions with pride and st

faction.
"It's just what I've always ued," he said, rubbing his hands gether delightedly. "Just what always wanted! This fall weals have been said." He would at the said was been said. always wanted! This fall we gettin' ruther chilly. Build boys, an' we'll have a house in'." Build a f

Soon a fire was blazing brish the hearth, making every nock corner of the room bright with cherful glow. Mr. Tompkins 8 his pipe from the jar of tobacos he had installed on the mantel, lit it with a coal from the fire of the hearth. Then he sat down in the rocker to enjoy the fruits of his ors, while the boys and girls los on and shared in his enjoyment ready the place had the true ba feeling about it, Mary said, as thought about the parlor in the stonger of the house, with its sepaid gloom and chill. Soon a fire was blazing briskly gloom and chill.

There was a step on the porch then the door swung open und moniously and Mrs. Tompkins so on the threshold.

The boys and girls looked from

to their father with almost fright faces. They anticipated a battle al. But Mr. Tompkins, shough prised at his wife's unexpect (Continueg on page 15)

August 14. ********

The Up 6 What We

Be kindly affe with brotherly I Jesus did no able laws and rule n He taug sees principles of ri thinking that w of things. His those principles in their every d tal principles a application. application. A s not apt to g particular diffic One of the gr world to-day is

it is a curse; to countries are dinto pitiable por curse. Anyone moral effects of tary ideals of a influence Murder, thing glorious ar f honor in nat ommitted in ap



The Upward Look

What Would Jesus Do?

Be kindly affectioned one to another

with brotherly love,—Rom. 12; 10.

Jesus did not formulate innumerable laws and rules to govern every word and action of His followers. word and action of His followers, He left rule making to the Phari-sees. He taught great fundamental principles of right living and right thinking that went right to the heart of things. His disciples to-day find those principles an excellent guide hose principles an excellent guide in their every difficulty. Fundamental principles are universal in their application. A man whose the is attened on the teachings of Jesus and the to go wrong earlied in the life of his Masker to tell him what Jesus would do. One of the great problems of the world to-day is war. Economically its currse: tax burdens in many face of the second o

world to-day is war, Economically it is a curse; tax burdens in many countries are driving many people to stiable poverty. Morally it is countries are driving many people into pitiable poverty. Morally it is a curse. Anyone who has ever lived in a garrison town knows the evil moral effects of barrack life on the moral elects of barrack life on the soldiers themselves. Even the mili-tary ideals of a people have a wide-spread influence for moral degenspread influence for moral degen-eracy. Murder, divinely prohibited, becomes to a military people some-thing glorious and worthy of a place honor in national annals-when committed in approved form on the

field of battle. Even in times of peace the armament burden is crushing one. And now we in Can-ada are debating the advisability of

ada are debating the advisability of making great preparations for war.

What would Jesus do were He in world to-day? There were wars in His day, great world-embracing wars. He knew that there would be great wars in the centuries to follow. And yet Jesus said little about wars. He did not direct that His followers should vote this way or

CONTRACTOR CONTRACTOR

DARENTS and friends of young men going to Toronto will be the Toronto will be the Toronto have been described by the Toronto and boarding house, proper command to the Toronto and boarding house, proper command boarding house, proper command boarding to Toronto and boarding to Toronto and the Toronto and T

that. How then are we to know? that. How then are we to know?

By getting back to the great fundamentals of the Master's teaching.

He re-echoed and reinforced by His
example the old commandment,
"Love thy neighbors as thyself." As "Love thy neighbors as thyself." As pointed out last week, our neigh-bors are all humanity. If we love our neighbors will we spend mil-lions preparing for their destruction? Do you think that the Man who spoke the "Parable of the Good Samaritan" would advise such a would advise such a course?-I.H.N

Mr. Tompkins' Opportunity

(Continued from page 14) pearance, did not seem badly scared

pearante.

by it.

"I'd just like to know what this means?" said Mrs. Tompkins, in a means and tone that expressed amazement and tone that expressed amazement and tone that companion of the com means?" said Mrs. Tompkins, in a tone that expressed amazement and indignation. "I'd—like—to—know."
"Yes, of course, you would," said Mr. Tompkins briskly, "and you shall. It means that I have built me a place of my own, sence there didn't seem to be any other I could feel as if I had a right to. Ain't it pleasant, Marthy? Set down by the fire an' warm yourself. You took us by s'prise. Wa'n't expectin' you quite you have not many the property of the composition of

up in cairco to keep it from gettin-soiled. Lean right back in it, Mar-thy, an' take it easy!"

Something in Mr. Tompkins' ton-and manner gave his wife to under-stand that here she had no authority. and that it would be useless to find and that it would be useless to find fault with what he had done. Her husband had at last asserted his per-sonality, and the fact was sufficient to convince her that within certain limits he was no longer in subjection. She did some very rapid thinking as she sat there staring into the fire, and the result of it was that she

up in calico to keep it from gettin soiled. Lean right back in it Man

decided that the wisest thing to do was to accept the new order of things with the best grace possible.

"It is quite a pleasant room," she said weakly, "or will be when I get through with it."

"Marthy, said Mr. Tompkins, firm-"Marthy, said Mr. Tompkins, firm-ly, "we might as well come to an understandin' about this room first as last. I'm proprietor of it. There ain't any partnership business about it. That part o' the house"—jerking his thumb over his shoulder towards the old building—"is the States, so to speak. This is Canada. That—" the old building—'is the States, so to speak. This is Canada. That—'' pointing to the wall without a door—'is my high tariff wall o' protection, as you might say, an' there needn't be any talk about annexation. won't work. I don't beleeve in it."

won't work. I don't believe in it.

Mrs. Tompkins knew, beyond all
manner of doubt, that she was on
foreign territory. Her system of government would not apply here. All
she had to look forward to was a sort of reciprocity measure, which time might develop. "Well, I hope you'll take as much

omfort in it as you seem to think you will,' she said frigidly. "I shall," declared Mr. Tompkins very positively.

And he has.

A gentleman was out of patience by some blunder of his new groom.

"Look here," he cried in his anger.

"I won't have things done in this way! Do you think I'm a fool?"

"Shure, sorr," said the groom. "Qi can't say, sorr.

"Oi only came here yesterday."



Come again, Pie Time, and often. For wholesome, digestible "eats" -give us PIE.

At its very best wrapped in a FIVE ROSES crust.

Upsets Pie Prejudice without upsetting the Eater's Insides-FIVE ROSES flour. Great for Pie Crust - top and bottom. And Puff Paste and Difficult Things. Close-grained — melting — even textured. Flaky, too, and crinkly — crisp yet tender. Put into your bake things the rare nutlike sweetness of Manitoba wheat kernels. All soppy with the rich red juice of the cherry-or lemon pie-or apple-or healthy custard—meat, may be, or mince— Put the FIVE ROSES "crust end" about 'em.

See the hungry wedges fade behind busy milk teeth. At Pie Time Use FIVE ROSES.

Fire Roses Flour

Not Bleached



Not Blended

LAKE OF THE WOODS MILLING COMPANY, LIMITED MONTREAS

nt one abouter, indicating there the new buse.

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14, 1013.

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ure that ha red to need is' old wood osition on a Mr. Tompka g built, and built, and y in the fam oiling by a as if it had the other si done years fair to give ngs were m

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his handst fall weath Build a f zing briskly every nook a bright with Tompkins fil

of tobaccos down in their ruits of his hand girls loth enjoyment. the true ha

lmost fright ins, though unexpecter page 15)

FINE Grain Sugar ngar, get the St. Lawrence in ugs, with red tag-100 lbs., 25 lbs.,

MEDIUM Grain

In the bags of St. Lawrence
"Medium Grain" — blue tags —
every grain is choicest granulated
sugar, about size of a seed pearl,
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Many people prefer the coarse rain. The St. Lawrence Green rain. The St. Lawrence Green Fag assures every grain a distinct systal, each about the size of a small diamond, and almost as oright, but quickly melted into oure sweetness.

Your grocer's wholesaler has the exact style you want-grain, quality and quantity all guar-anteed by

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When you build a home put style into it By the modern Sovereign plan you can do it for less money than an old-fashioned house ould cost

It's worth more to live in a house you're proud of—it's worth more in enjoyment and satisfaction. And the house is worth more too if you ever want to sell it.

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MANY USES AND FULL DIRECTIONS ON LARGE SIFTER-CAN 104



SYNOPSIS OF DOMINION LAND REGULATIONS
Amy person who is the sole head of a family or any male over 15 years old, may homestead a quarter section of statements of the section of the secti

W. W. CORY,

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Don't-ology

When your "don'ts" are being listed For the days of summer heat, Don't forget the temper twisted That you're liable to meet. As you dodge the microbes working In the things you eat and drink, Don't forget the dangers lurking In the things you chance to think

The sun that blazes torrid May develop, you will find, Speeches, small but very horrid, In the superheated mind. o. when seeking the prevention Of a state of health infirm, on't neglect to give attention To the active trouble germ. . . .

Canning Vegetables

Miss Mary L. Bull.

Sweet corn, beans, peas, and as paragus should be canned for winter paragus snould be canned for winter use while the garden furnishes a bountiful supply. Select and prepare them as for drying. Put them in jars that have been sterilized in boiling water, then add water until the jars overflow, but the wholes in class and overflow, put the rubbers in place and screw the lids down loosely.

screw the lids down loosely.

Set the jars in a steamer over cold water or in a boiler or kettle of cold water, bring it to the boiling point, and cook for an hour, then set the covers as tightly as possible, let the jars stand until the next day and again put them in cold water, bring than the best and let the cover in the control of them to a boil, and let them cook for an hour. Repeat the process on the third day, keeping the covers tight

third day, keeping the covers tight after they are first tightened.

If it is not convenient to use a steamer, sot the jars in water on a false bottom so that the water may pass under them and keep them from breaking.

... The Handy Double-Boiler

Alice M. Ashton.

I use my double-boiler more and ore, and wonder how so many cooks manage without one

manage without one.

It is such a help when cooking preparations that otherwise aced constant attention. Not only is it tiresome to stand over a hot store while
a custard or dressing is cooking, but
it consumes time that is often needed
for other purposes. That was how I
began using mine for other things than the oatmeal for which it was pur

wished to make cocoa for lunch but it seemed as if I must be out of the kitchen for 10 or 15 minutes it the kitchen for 10 or 10 minutes it would require to make it, and every cook knows that cocos is one of the things that cannot ordinarily be "left to itself." Why not try the double-boiler, it certainly could not scoreh or boil over in that I prepared the or noil over in that I prepared the ingredients, put the cover on tightly, and when I returned at the end of 20 minutes, found it ready to be served. Everyone pronounced it of extra fine

The men relish a dish of lima beans or lentils for supper on a cold night; this used to mean frequent trips to a somewhat distant kitchen during the afternoon to see that they were not boiling dry. Now, they go into the double-boiler and no further attention

double-boiler and no further attention is required, except to keep up the fire if wood is being used. Custards for cake or pie fillings and dressings for salads are cooked without stirring. Just before removing from the stove, I beat it for a minute with an egg beater and the mixture—Indiana Farmer.

... When cleaning knives an excellent method is to mix a little common baking soda with the scouring brick and one will find that the knives clean

Resectedesessesses

The Sewing Room

Patterns 10 cents each. Ord-number and size. If for chi-give age: for adults, give measure for waists and waist sure for skirts. Address all o to the Pattern Department.

222222222222222222 TWO PIECE DRAPED SKIRT. 7845



waist line the becan be fitted incans of darks
gathered.
For the medic
the skirt will require 3% yards
erial 27 or 2% yards 36 or 44 inch

de. This pattern is out in sizes from 2 % inches waist measure.

FANCY BLOUSE, 7899



LOUSE. 7899

The blouse that a worn over a guing is especially fab ionable and especially attractive, so culiarly so at the season when so may contrasting fabra are worn. This ce can be made in set erral different wan, each one being a distinctive as to se

line

o it at the drooping line.

This pattern is cut in sizes from 3:

TWO OR THREE-PIECE SKIRT FOR GIRL'S DRESS, 7898

No frock is pre-tier for young give than this one make in lingerie sta This season, vok marquiset crepe de made in made in this we as well as the namy muslins, the lace being varie of the special fahr. The skirt is straight, tucket over the hips as joined to a similar blouse with sets

For the 12 person size, the dress of require 3%, ya. a dress of torial 27, 8 material 27, yards 56 or yards 44 in wide, with 20 yards of odging This dross is sizes for girls from 10 to 14 year.

HOUSE JACKET, 7893



Everything belted is far this year. Th house jac height of includes, to the belt, ly on to the belt, the si y open neck pretty rolling of the plain stibelt is not been a draped one on substituted or a substituted or the plain For the medium the 30x yards of malf. 27, 2% yards of yards 44 inches with 3 yard 27 is wide for the belt trimming.

"Do you say, the wrong with the ed' at is not so. I hawith the College for

August 14

Rural Prob How are we to tion of our rura ever becoming a Today 46 per ce ago the proporti was not over 35 I We have countle cultural land. Y becoming more Such is the cond

ciety that called Prof. Reynolds. cultural College, County Cheesema "One of the ma "for the increas rural depopulation ing every year. are importing for Th the province. transportation ch to the cost of pro arms can produc men leaving Ont cities and the w is not that they work, because the after they leave they were on it our young people vantages of other distance and hav

making a change, those that leave

Then why do they CONTRIBUT Professor Reyno v answer his own mentioned som ibute in part to "The adverse cond home," said the I the cause of the y They s for leisure and pas ousins have, satisfied. Many far hours and thus dep their families of In too many of ou using their grandmother no such conveniene ipply and labor-s is no wonder our

ovment. "I once asked a why he left the fa plied, 'when I wa he farm summer bicking stones, an hores.' Work on aged by some of or ar too monotono EDUCATION AND

"What has our me to interest th he farm? very Prof. Reynolds.
But right here is ment in rural edu Our educators the fact that our melude subjects m to agriculture. Toperating with the sting the children

oung men get a gricultural educat "This now intro ould readily supp well-trained men w to our farms every he actual fact as v 150 students who es College, not more t up practical farmin her third go in fo ide of agriculture

SEE GREATER OPPORT

1, 1913.

Room

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SKIRT FOR , 7898

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yard 27 inches of yard 27 inches or the belt sting.

Rural Problems Discussed

How are we to check the depopulation of our rural districts? This is Today 46 per cent. of the population of Canada is in the cities. Ten years ago the proportion of city population was not over 35 per cent. of the whole. We have countless acres of good agricultural land. Yet our city slums are Such is the condition of Canadian so-ciety that called forth an address by Prof. Reynolds, of the Ontario Agri-Prof. Reynolds, of the Ontario Agri-cultural College, before the Lanark Ounty Cheesemakers' Club, recently, "One of the main reasons," said ho, "for the increased cost of living is rural depopulation. The rural popu-lation of Ontario is actually decreas-ing every year. Our cities and towns are importing foodstuffs from outside be province. This means that heavy transportation charges must be added the cost of production. With the to the cost of production. With access farms can produce, why are the young men leaving Ontario farms for the cities and the western prairies? It is not that they are afraid of hard work, because they often work harder work, occause they often work harder siter they leave the farm than when they were on it. Although some of our young people have viewed the ad-vantages of other occupations from a distance and have acted unwisely in

CONTRIBUTING FACTORS Professor Reynolds did not completey mentioned some factors that con-tribute in part to rural depopulation.

"The adverse conditions of life in the home," said the professor, "are often the cause of the young people wishing to change. They see the opportunities for lessure and pastime that their city cousins have, and they become dis-satisfied. Many farmers work too long bours and thus deprive themselves and their families of necessary leisure. In too many of our country homes the women are using the same methods their grandmothers used. They have They have no such conveniences as a home water supply and labor-saving equipment. It

making a change, yet the majority of those that leave the farm do well. Then why do they leave?"

once asked a railroad employee he left the farm. 'Well,' he re-"I once asked a railroad employee why he left the farm. 'Well,' he replied, when I was a little chap on the farm summer was a nightmare of picking stones, and in winter it was chores.' Work on the farm as managed by some of our farmers, is made ar too monotonous for the young

EDUCATION AND DEPOPULATION

"What has our educational system "What has our educational system done to interest the young people in the farm?" very pertinently asked Prof. Reynolds. "Very little as yet. But right here is where the advancement in rural education is going to ment in rural education is going to be. Our educators are awakening to the fact that our school course must include subjects more closely related to agriculture. The teachers are coto agriculture. The teachers are co-operating with the parents in inter-sting the children in farm life. The roung men get a desire for further agricultural education.

"This now introduces ork of our Agricultural College. We would readily suppose that scores of well-trained men would be returning to our farms every year. But is this the actual fact as we find it? Of the 150 students who each year enter our College not more than College, not more than one-third take
p practical farming in Ontario. Another third go in for the professional
side of agriculture and the remainder
leave the province or drift into other

SEE GREATER OPPORTUNITY ELSEWHERE "Do you say, there is something wrong with the educational system? It is not so. I have been connected with the College for 20 years and I

know what it will do. The man who enters our College has his outlook on life broadened. What happens? His life broadened. eyes are opened to the opportunities for men of brain and energy in other lines of life. Our graduates have lines of life. Our graduates have proved themselves fit for high positions in life. There is but one logical conclusion at which we can arrive. Farming in Ontario is not as profitable relatively as other occupations If this were not so, more men would be farming. There is no industrial occupation in the world requiring a more varied and extensive knowledge than does farming. The brain power and energy required in up-to-date farming would make a man rich in other lines.

"We must grapple with this prob-lem and face the truth as we find it. The great problem of the day is the study of the economic and social con-

study of the economic and social conditions which are militating against the progress of farming.

"I have faith that these questions will be solved," concluded the speaker. "A year ago I bought a farm in the hope that some day one of my four boys will operate it."

And here we have much food for And here we have much food for thought

A Veteran's Feeding Methods

"My object is to grow what I feed and feed what I grow," said Mr. A. C. Hallman, the veteran Holstein breeder of Breslau, Ont., when dis-cussing the feeding problem with an editor of Farm and Dairy.

"This does not mean, however, that I do not buy any feed," Mr. Hallman hastened to add. "Of course I have to buy occasionally. I grow 20 acres of wheat each year, which affords me lots of straw. I sell the grain and with the proceeds buy mill feed. In this way I claim that I raise on the farm all that I feed. Our wheat crop has run as high as 40 bushels to the acre."

acre."
"What feeds do you buy particular-

"What feeds do you buy particularly?" we asked.
"Oil cake and cotton seed, but not much of the latter when other feeds are reasonable in price," answered Mr. Hallman. "When feeding lots of roots or beet pulp I like to feed cotton seed as it has a binding effect cotton seed as it has a binding effect. and the cows are not so loose. that well matured corn ensilage is also binding, and for this reason I feed a few roots along with it.

"Ensilage has a large place on our farm," said Mr. Hallman later on as we talked of the silo. "I was one of the first men in our county to erect a silo, and erected the first round conand elected the first round con-crete silo in the township. It is 14 x 36 feet. I am planning now to erect another silo for summer feeding." "You haven't mentioned bran in your list of feeding stuffs," we re-

"Didn't I? Well I should have No man should attempt to keep cows without it. Cattle can fill up on bran and it doesn't hurt them a little. It also tends to develop the digestive or-gans. We never feed oats alone. We also grow a little barley and peas for feeding.

feeding.

"I used to soil cattle the year round on a small farm when land was searce and stock was high. We found this method laborious, but we did not have the slio then. With the summer silo I believe this would be the ideal system of dairying."

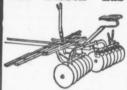
Here are a couple of Mr. Hallman's closing remarks that are worth- of at-

"I can grow more feed from an acre of corn than from an acre of any other

"If a man wants to make money out of dairying he should go at it as a business. Don't keep a few cows and regard them as a nuisance."

The hog-orchard combination is a

The "Bissell" has the capacity



Because of its capacity, time after time the "Bissell" Disk Harrew has dene DOUBLE THE WORK in field competi-tion against all competitors, under the same con-

The special shape of the "Bissell" plates cause them to enter the ground naturally and TURN THE EASILY. Steal

Disk Plates chisel fashion and keep the plates clean of trash by movable clod irons—the only Harrow that has this feature.

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35 cents for repairs

"The 4 h.p. Jack of all Trades engine bought of you 3 years ago is still giving good satisfaction. So far I have had to pay only 35 cents for repairs."-A. Cameron Hay, Dufferin, Ont.

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line, kerosene or low grade distillate, the cost of the last being less than onefourth that of gasoline.

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OR SALE-2 Sons of King Fayne Segis Clothilds. from R.O.P. cows. Also three Clyde Fillies and 3 Stallions. Yearlings -R. M. Holtby. Manchester. Ont.

SPRING BROOK

WATERLOO CO., UNT.

MARKET REVIEW AND FORECAST

midsummer 1011 is now and to be on, but so far as business men can see trade is moving on as briskly as ever. The activity in all erroles as every favorable reports that are being received regarding the condition of the Western wheat crop, wholeselers have been doubtful about filing have now been seen abend. The timely action of the condition and the seen are the seen as the

Cream Wanted

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References: Canadian Bank of Com-

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BULL CALF

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R. S. DUDLEY

Holsteins and Tamworths P.O. Box 176 - Westmount, P.Q.



I have another by Mares that any Show. SULLIVAN

year, while butter will just hold its own. This does not necessarily indicate a decreased milk flow as the demand for milk from other sources is ever increasing. Without rain soon, however, the shortage that we will be decidedly increased. The man will be decidedly increased. It is not soon to be a supported to the soon of the s

WHEAT

boildays and there is little doing in On-tario produce. WHEAT

A bumper wheat crop is expected in Oximda. Cutting has already commenced and oximate containing the strong considerable obtained grain is being marked. The considerable obtained grain is being marked to the considerable obtained grain in the considerable of the considerable obtained grain of the considerable obtained grain in the considerable obtained grain in the considerable obtained grain.

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On the considerable obtained grain in the considerable obtained grain.

On the considerable obtained grain. nalting, 62c to 64c; teeu, heat, 58c to 60c; feed wher MILL FEEDS

Bran is firm at large week's level and perhaps a little stronger "There is only a fair demand. Dealers here quote bran 818 to 818 50; shorts, \$20 to \$21; middlings, \$22. At Montreal, too, bran continues firm at \$18 to \$19; shorts, \$21; middlings, \$34.

HAY AND STRAW

S22. At Montreal, too, bran continues from at \$12 to \$15; shorts, \$21; middlings, the mathematical states of the continue of t

Honey quotations are still firm in spite of the promised decline. Strained clover beloney is selling at 12% on b. in 691b. Honey is selling at 12% on b. in 691b. buckwheat, 9c at b. in time, and 3c in buckwheat, 9c at b. in time, and 3c in buckwheat, 9c at b. in time, and 3c in constant of the selling of

extra, 85 per dox: No. 2, 82.80 per dox.
There is no change in the situation. Excepts to change in the situation showing the state of the surplus a cason advances. All of the surplus a cason advances. All of the surplus a cason advances to the surplus at this centre is going into cold storage or to Western Canada. From Montreal comes the in-age of butter was made to the Old Country last week. It is doubtful, however, if the export movement will assume important progrations as prices on this side portant progrations are prices on this side level. Wholesale dealers here quote: Dairy prints. 20th 50% creamery prints. 20th 10% creamery pr

LIVE STOCK

LIVE STOCK

The cattle now reaching the market an showing in their finish the searcity of showing in their finish the searcity of the state of the s

Hogs are firm at moderate recession from last week's price. Good ones bring f.o.b. 89.75 to 89.80; heavy hogs, 89.20.

10.0. 29.50 to 29.50; heavy hope, 29.50. Workers. MONTEAN HOR MARKET MONTEAN HOR MARKET AND A STATE OF THE ST

killed stock.
EXPORT CHEESE TRADE

at \$14.50 to \$4.75 a cst. for abatto killed stock. Blad stock to killed kille

sections, and the second of th

at 12 15-16c.
Peterboro*, Aug. 6-1.594 cheese but
dt all sold at 15a.
Peterboro*, Aug. 6-1.594 cheese but
dt all sold at 15a.
Peterboro*, Aug. 6-1.594 cheese but
dt all all at 15a.
Peterboro*, Aug. 1-112 beres whit
and 317 bexes colored cheese hoarded by
white sold at 12%c, and the colored is
12 13-16c.
Brocklete, Aug. 7-2-832 colored at
sold; all others refused.
Kingston, Aug. 7-66 white and 81 ac
ored were boarded; 465 colored sold is
12%c.

******** OUR FAR Correspon

****** PRINCE EDV CARDIGAN, Aug.
erather: a lot of h
lay is a fair crop,
inc. Potatoes miss
te had plents

ay is a fair crop,
ne. Polatoes miss
e had plenty of a
stures have held
ving a good supp
e doing well.—H. BAY VIEW

ONT WATERLOO, Aug.
have had no rain
by 12. Barley is a
cher short in structure.
Cutting oats i

fall near Centre
WENTWORTH
EEELTON, July
Standing Field of
ted by the West
al Society are: 1
d. Registered Abu
tert Walker, Bann
the, Abundanee,
elley, 20th Century
wright, Lincoln,
y, Waverlay, 86;
s. Siberian, 84 O
O Cet. 1st. A go
d be very benefic very benefic

OXFORD CODSTOCK, Aug. dry hot weather, and most of the On the whole c

I, Aug. 6.—V and everyl outlook is aking rapid sels have co suckers greathese.-J. F TRSHIRE BREEDER HIRE BREEDER lenic District B sir annual meeti beginning at 10 Stewart and So s will be condu-of Macdonald C erds of Messrs. 8 on exhibition

ures will be give w, Prof. Barton of of electrical appl und farm purposes symour Power E will be met at H. s returned in the sterested in Ayrshi

THE SII

KING L

the result of a

ou are interested i errigned by Inner a carload, of the lither one: H. Boll sler, of Bright, On

Choice Ayrshire Bull Calf

Three months old, mostly white. A fine upstanding calf, good size, sired by A. S. Turner & Son's Imported Bull of Ryckman's Corners, Ont., and out of a No. 1 registered cow. Price, \$25.00 on car at Winona, G.T.R., with registered pedigree.

Winners in the show ring and dairy cets. Animals of both sexes, Imported or Canadian bred, for sale.

Long distance Phone in house.

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HOWICK, QUE NESS

TANGLEWYLD AYRSHIRES
The High-testing hard. Ayras-Hiller
Souws-4.40 per cent butter'da hard
Convert Began Star of Bonnie Brac a
son of the champion R.O.F. butter'da
con, Elicen-6.84 bit. fri. and from
III you want high-class Ayrshires
witch or come and see
woodplisse BROS. ROTHSAY, ONT.
OTR Sta. and Thome con. Draylon
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Oards under this head inserted at the rate of \$400 a line per year. No card accepted under two lines nor for less than six months, or 26 insertions during twelve months.

HOLSTEINS

Hard headed by filt Korndrie Boom, one of the best sons of Pontian Korndrie Boom, one of the best sons of Pontian Korndrie Boom, one of the best sons of Pontian Korndrie Boom, if: 497-old butter record, El.17 lbs. in one week, 120 in 30 days. Average test, 485% fat. This buil and his dawn kings of the Pontian, days of the world's record, cows, 44,54 lbs. butter in one week, 172 lbs. in 30 days. For seals, a nince rich burd buil, 50 most old, mostly white, Weil 190 most old, mostly white weight 190 mostly white weight 190 most old, most old, mostly white weight 190 most old, mostly white A. C. HALLMAN.

FALL WHEAT The results of 50 years continuous use of Fertilizer on Wheat at the Experimental Station at Rothamsted, England, shows 13.1 bus. Average yield per acr 37.1 bus. Average yield per acr Unfertilized Complete Fertilizer These experiments of Rothamsted are the most exhaustive and reliable in the history of agricultural investigation, and should command the serious attention of every wheat producer.

STONE'S FERTILIZERS

Every Ontario Farmer abould use Stone's "PALL WHEAT SPECIAL" and reease the average yield which is only 19 bu per acre. Made from the best sliable Nitrogen, Phosphoric Aeid and Potash; mechanically mixed; in per t cured condition for drilling.

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William Stone Sons, Limited, Woodstock, Ont.



"Fly Chaser"

horse or your nervous, high-strung driving horse, icken roosts | Try "Fly Chaser" to kill caterpillars frequently. Its disinfecting properties will insure pure, sanitary quarters for your live stock and poultry.

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as a horoughly tried and tested fly repel-lantfor use on cows, horses, dogs and cats, and rids barns, stables and poultry house of flee. PARAPT flee off your cattle. If it doesn't, it won't cost you a cent. It will relieve your tortured workshorse or your nervous, high-atrung driving horses.

on your trees. At your dealer's, \$1.00, 60c and 35c

"Your Money Back If It Fails."

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ARKET

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

August 14, 1913.

************ PRINCE EDWARD ISLAND.

PRINCE EDWARD ISLAND.

RING'S CO., P. E.I. N.

RING'S CO., P. E.I. N.

(ARDICAN, Aug. 4—We are having finewather: a lot of hay was cut last week, lay is a fair crop. All other crops look ine. Petatose missed badly with some ke had plenty of rain this summer, and satures have held out well. Cattle are reing a rood supply of milk. Factories pe doing well—H. P.

ging a rood supply of milk. Pactories are delive well—as a sea feeling well—as a sea of the w

ONTARIO.

sir-m. DNTAFILO.

WATERIOG CO. DNT.

"ATTRIBLOO AUG. 6.—Ti is very dry as a saw had no rain of any account since by it. Out to find a same and the s

WENTWORTH CO. ON T. 1988 CO. ON T. 1

O. OXFORD CO. ONT.

OXFORD CO. ONT.

Oxford Co. OXT.

or to we are having from the weather. Oats are ripening and most of them will be cut this to the two less of the control of the cont

so pay well.—A. M. McD.
MDDLESE CO., ONT.
ETH. Aug. 6—We are in the midst
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making rapid growth, and the
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to the company of the comp AYRSHIRE BREEDERS WILL MEET.

SMIRE BREEDERS WILL MEET.
Menic District Breeders Club will
held annual meeting on Wedneeday,
leginning at 10 a.m., on the farm.
Seewart and Soons, Menic A Judg.
The Macdonald Colled are proof.
of Macdonald Colled are leginger of the control of t

gurs will be given by Mr. G. G.

», Prof. Barton and a demonstraof electrical appliances for houseund farm purposes will be given by
expensur Power Electric Company,
will be met at Hoard's Estation and
returned in the evening. Everyterested in Ayrabires are welcome.

AT THE NATIONAL DAIRY SHOW

AT THE NATIONAL DAIRY SHOW

The following is the program of arrangement of days at the National Dairy
anguence of days at the National Dairy
Friday, October 24-Grange Day,
Saturday, October 25-Women's Ollub
Sunday, October 25-Women's Ollub
Sunday, October 25-Women's Day
Monday, October 25-Women's Day
Monday, October 25-Grange Pa
Mauntactures' Dry, Arphire Day,
Thusday, October 28-Jersey Day
Mill, Dealers' Dry, Arphire Day
Mill, Dealers' Day
Thurday, October 28-Guernsey Day,
Mill, Dealers' Day
Thurday, October 30-Ioe Croam Manufactures' Association Day,
Saturday, November 1-School Children's
Day,

HOLSTEIN-FRIESIAN LOANS

HOLSTEIN-FRIESIAN LOANS
There are many young farmers who
would like to get into Holsteins They
inck capital. In a recent save of the
H.F. World J. B. Rain, Kennedy, N.Y.
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It is a sense to bring more morey into the treatury. The same a large surplus indicates a sense in a sense a large surplus indicates in a sense in large surplus indicates in a sense in another season and interest in another sense in another section of the sense in another section of the sense in a sense to cumulation of idle money is a menace to cumulation of its sense in a menace of the sense in the sense in a menace of the sense in the s

The most important agricultural cabibition held in South Africa is that of the Central Agricultural Solider, in the Central Agricultural Society, Biomorostopa Company Free State. At this year's choice, and the Central Agricultural Society of April, the Canadian Holterian Francisco April, the Canadian Holterian Francisco Control of Central C

THE SIRE IS HALF THE HERD

Your future success depends upon the sire you use. Therefore you cannot end to miss the opportunity to get a son of, or a female bred to him, that

KING LYONS HENGERVELD, 11,816

is the result of a great combination of 30-lb. breeding for generations back. On account respect of in Bolactine come to Taviatock. Telephone anyone of the serious depends on the seri

Forest Ridge Holsteins

HERD) "KING SEGIS PIETERTJE" SIRES / "FINDERNE KING MAY FAYNE"

The dams of these two sires average over 32; lbs. butter in 7 days. Get your next young bull from my herd. Best by test.

Best by test,

Present offering a few young bulls nearly
fit for service, sired by K. S. P., and a few
choice young cows bred to him.

Farm 40 rods from station.

L. H. LIPSIT, Prop. Straffordville " Elgin Co., On?

HOLSTEIN BULLS 2 Bulis, rising 2 yrs., grand-sons of Pontiac Korndyke, and 3 rising 1 yr. old from

Also Bull and Heifer Calves. Females,

WM. HIGGINSON. INKERMAN, ONT.

Ourvilla Holstein Herd Ourvilla Holstein Herd
Bulls of serviceable age all sold. If
you want them from here we would
advise you to buy one. Only two
calves left. Both arm Dutchland
Colanths first Abbekirk and from 2:17
and 25.06 lbs. 4-year-old.
Orando Ind.
Udoals. 4 monthe old.
LAIDLAW BROS. - AYLMER, ONT.

RIVERVIEW HERD

y Young Buils, from "to 12 months, sired by King Isabelia Walker, whose sister, 8 mearest officially tested dams, a sister, of the sired was a sister, of the sired was a sister of the sired was a sired of the sight 30.3 bits. Fig. 0. M. and F. O. M. and F. O. M. and F. O. W. and F. J. SALLEY, LACRINE RAPIDS, QUE.

THE ONLY ONE

place in Canada where you can buy as Bull Call sired by Hag Apple Korndyke as the the greatest bred Korndyke buil in the world dam, Pontiae Lady Korndyke, as Korth State. Will ynot write to-day or, better stiller. Will ynot write to-day or, better stiller.

Lyndale Holsteins

We are now offering Bull Caives from 1 month to 7 months old. All are from official record dams and sired by some of the greatest bulls in Canada.

Ridgedale Farm Holsteins

2 Young Bulls, ready for service, at bargain prices for quick sale Brod right. Good individuals. Also few Heifers Myrtle, C.P.R., and Manches ter, G.T.R. Stations. "Bell "Phone, R. W. WALKER - UTICA P.O., ONT.

Hamilton House

DAIRY FARM

We have sold the bull calf, Pon-tiac Keges: sire, Sir Dora Segis Pontiac: dam Lulu Keges, to Mr. Robt. J. Maley, Oxford Mills, Ont. We now offer

(19)

Bull Ready for Service

whose dam's sire is full brother in blood to King of the Pontiacs. Price reasonable. Write or come to see him.

D. B. TRACY, COBOURG, ONT.

Lakeview Holsteins

Bull calves only for sale for the pre-sent, sired by Count Hengerveld Fayne De Rol or from his daughters and dired by Dutchland Colants 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.

KING SEGIS PONTIAC KONINGEN

Combines in the closest degree the blood of

Ring Segis Pontiac Ring Segis Pontiac Ring Segis Ring of the Pontiacs Pontiac Korndyke Hengerveld De Kol Mercedes Julips Pietertjes Paul

LYNN RIVER STOCK FARM He not only has the choicest breeding, but is also a superb individual.

We will accept a few cows to breed to him at \$25.00.

J. ALEX WALLACE - SIMCOE, ONT. Bell Phone 130

OXFORD DISTRICT The Holland of North America

is the place to buy Holsteins of quality.

In third annual sale will be held in the lity of Woodstook on March 25th, 1914.

Full list of breeders in the Oxford District with post office and station addresses sent on application to:

R. J. RELLY, SECY., TILLSONBURG, ONT



Campbelltown Holsteins Herd headed by the great young bull, Korndyke Veeman Pontiac. Come and look our herd over. We can please

R. J. KELLY,
Farm on North Broadway, Tillsonburg

O. A. C. STOCK FOR SALE

Four Holstein Bull Calves out of deep milking cows

ANIMAL HUSBANDRY DEPARTMENT, O.A. COLLEGE, GUELPH

RVERSIDE HOLSTEINS Herd headed by King Jehanna Pontiac Koradyk has Butter in T days. His sister. Pontiac Lady Korndyk, has a record of 28.92 hs. Butter in 7 days, 180 a head of days, world's records when made. We are offering swerral female

J. W. RICHARDSON R. R. No. 2, CALEDONIA, ONT.

FAIRVIEW FARMS HERD

Bone of PONTIAO KORNDYKE, ready for service in the near future or younger, some and daughter of SIR JOHANNA COLANTILA (ILAD), whose three first daughters to be officially tested average better than all the such as junior two-year-olds, and some of RAG APPLE KORNDYKE and ARABA (FILE KORDYKE BUILD FOR ARABA NEW YORK

MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a sen of King of the Pontiacs and from a daughter of Pietertje Hengerveld Count De Kol. Junior Herd Sire, King Segis Pontiac Posch, a son of King Segis Pontiac Alcarta (the \$10,000 bull), and from a 20.62 lb. 3 year old.

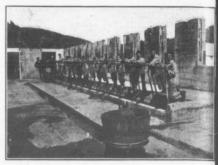
We will be glad to mail to anyone extended pedigrees of these Sires, We are offering a limited number of cows in calf to them for sale, No Heifer Calves for sale at any price

GORDON S. GOODERHAM

BEDFORD PARK, ONT.

Burned to the Ground AGAIN





BT Steel Stalls Uninjured

Two years ago a barn was built on the Boys' Farm and Training School, Shawville, P.Q., and fitted with 30 BT Steel Stalls and Stan-

In April, 1912, it burned to the ground, leaving only the cement floors, walls, and BT Steel Stalls.

Mr. Matthews, Principal of the School, wrote us: "I am very glad

I put in your Steel Stalls. One Dollar makes them as good as ever after the fire."

The barn was rebuilt and the same Steel Stalls used again.

We wrote for photos of the barn in July of this year, and received the letter, copy of which appears below:

This letter and the photos tell the story better than words. They prove beyond question that the BT Steel Stalls are fireproof.

Steel Stalls, Stanchions, Pens, etc.

Burned to the ground a second time, and again the BT Steel Stalls come through uninjured. One Dollar, to cover the cost of a few springs, makes them as good as new after the second fire.

And these same stalls, after passing through two fires, are being used again in the

READ THE PROOF BELOW:

BT Steel Stalls will make your stable practically indestructible. Nothing to burn, nothing to break, nothing to rot. No repairs. Your stable will look just as good after a lifetime service as when first put in.

Then BT Stalls are so easy to install. They come ready to set up, from our factory. Two large bolts to tighten on each stall, and the job is ready for the cement.

> You can put up 20 BT Steel Stalls in two hours without help. The saving in time and trouble, or in carpenters' board and wages, goes a long way towards paying for the whole

BT Steel Stalls have many other special advantages you should know about. For instance there is a Patented Alignment Device on each stall to line up every long and short cow evenly over the gutter, so no manure gets on the cattle stand.

Write to-day for Illustrsated Stall Book, that tells all the facts. Get this book, whether you are building or remodelling, or only making a few changes in your barn, It is free, and you'll be interested in the facts and figures

> Mail the Coupon, now, before you turn this page.



Fergus Ont.

I am having prints made as you desire of the photoof the Barn before and after the fire. I might aid that the Barn has again been destroyed by fire and we are in precisely the same position as we were last year . The contractor with the permission of the Directors is going to use the same stanchions again - they have been through fire twice yet are as good now, except for a few replacements as when we nut them in first. Will you please supply us with the Enrings etc. all as ordered last year ? I am adding to the pictures one showing the stanchions as they are now after their second fire.

RECEIVED Yours factofully GroMathews per Front

Beatty Bros. Limited 683 Hill Street, FERGUS, Ont.

FREE COUPON BEATTY BROS., LE 683 Hill St., FERGUS, ON

on fireproof cow stalls. Also re book. "How to Build a Da

Barn Plan Service FREE

Are you building or remodelling?...

When you write, send us a pencil sketch of the floor plan of your barn, and we'll make you a plan for building or re-modelling free. For how many cows?

When will you start?

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Barn."

We have made a special study of Dairy Barns for years, and believe we can give you valuable advice about the most economical lay-out for your barn.

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Write us to day