

THE LONGER THEY USE IT

This is the manner in which hundreds of users of SIMPLEX LINK-BLADE SEPARATORS express their opinion of the Machine they use. Day after day, year after year of continual use, and their satisfaction never ceases. The dependable quality of this machine added to its close skimming qualities have made such a reputation for the =

SIMPLEX LINK-BLADE SEPARAT

that agents will often try to sell another make of machine and guarantee it to be just as good as the Simplex. Don't be misled, there are none as good and when you have used one of these machines with the new self-balancing bowl, your opinion will be like thousands of other dairy farmers in all parts of the world, "the longer you use it the better you will like it." If you have not received one of our Illustrated Booklets you had better send for one now, it tells a whole lot about Cream Separators you had better know.



Is Curr Hog Industry in Danger? D. C. Flatt, Millgrove, Oit. Undit recently I believed that the byring, but since visiting some di-the custom houses, and finding Amer-ican pork is being brought into Can-ada, and purchased by the packers, I have changed my mind, and have come to the conclusion that unless the turff is increased, the hog basi-a pound on green. The value of pork in the United States is so low, our packers have every advantage over the farmers here. They are able to draw from the United States sufficient systems of the subjects that might be drawn from the United States is never. They have the subjects that might be discussed with profit in the columns of The Canadian Dai yman and Farm, Canada and the current their own business under Government control, on the curice for their goods ac crawfue for the cancer who the they are they have the cancer who the the states are they are the packers' never ship of the Gamers. The value event of the Gamers at the packers' never. They have to accert whore and farm of the Gamers at the packers' never they are to be accert who the the the discussed with profit in the columns of the Gamers. The value when the remedied!" My answer vould be, Let the farmers run their own business under Government control, on the co-perative plane, nevery ship per to be paid for their goods ac crawfue for Worten.". The only two countries that do not be and the products, coling in the profit part of bother and the profit of the palait markets. The fact that Can-ada does not brand its products, al-low at the their good act that can-ada does not brand its products, al-low at the their good act that can-ada does not brand its products, al-low at the their good act that can-ada does not brand its products, al-low at the their good act that can-ada does not brand its products, al-low at the their good act that can-ada does not brand its products, al-low at the their good act that can-ter and the their good act that can-ada does not brand its products, al-tice and the

English markets. The fact that Can-ada does not brand its products, al-lows Americans to send their goods to England and to put them on the market as Canadian products. While in England I found in many stores the thick, fat American corrifed hog. If the packers had acted visely, or even fairly, Canada to-day would be second to no country in the world

be second to no country in the world in producing the kind of bacon that suits the Englishman's taste. We abould discuss this very important question—give the devil his due, and let the chips fall where they may.

Are Testing for Themselves

Are Testing for Themselves The Government report, that was issued recently, and which indicated that the milk sold in Torvino is about the poorest produced for any the indicents of the Toda, he wilk Pro-ducer' Association. Recently they obtained II samples of milk for them-selves, from different loads of milk. These samples were sent to Guosph, and tested. The lowest tested 3.2. One tested 4.8, and another 4.5. It was thought that possibly the two last mentioned samples were taken from the top of the can, and there-fore they are not counted with the rest.

rest. The average test of the 11 samples was 3.72, the average test of the nine samples, not including the two high-est, was 3.5. The average is coasid-erably higher than that given in the Government report. The officers of the Association purpose having more samples tested in the same way.

Buying Seed for the West

Buying Seed for the West The Steel-Briggs Seed Company, of Toronto, is purchasing considerable quantitize of seed in Chatrio on be-half of the Dominion Government for-shipment to the North-West. As will be remembered, the Dominion Gov-ernment recently appropriated three million dollars to be devoted to the purchase of their own. So far, the Steele-Briggs Seed Company has for-weed a five and more are being pur-chased. A firm at Kingston is also purchase of considerable quantities of the seed. purchase or seen for those farmers is ee are not quoted as taken from a grow seed of their own. So far, the Steele-Briggs Seed Company has for-more than double the percentage of warded five cars of strictly selected seed oats, and more are being pur-seed oats, and more are being pur-purchasing considerable quantities of the seed. The seed is purchased through agents in the country , and is leing

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Is Our Hog Industry in Danger? D. G. Rutz, Millowse, Ont. Until recently I believed that the bog market would improve that the custom houses, and finding Amer-ican pork is being brought into Can-ada, and purchased by the packers. I have changed my mind, and have come to the conclusion that unless a pound on pork in brine, three certs a pound on pork in brine, three t

"In some localities," and Mr. Ray-nor, to a representative of The Cana-dian Dairyman and Farraing World, "where some of the best seed cats have been purchased, propably not more than 50 per cent. of the iarma would be considered agte to buy seed from. In the Grand River Valley, for instance where the river cover. from. In the Grand River Valley, for instance, where the river over-flows its banks, scarcely any of the seed oats which I have examined, were free from mutatrd. Apart from that, this district seems practically free from wild mustard and wild oats. There are comparatively few districts in Ontario, of which this can be said.

Mr. Raynor stated that the Govar. Raypor stated that the Gov-ernment is buying considerable quantities of seed in the Marsime Provinces, Manitoha and Southera Ji-berta. The seed being purchased in Canada is being inspected by officers of the Seed Division, and i being rushed through to the West as rap idly as possible.

The Special Frizes

The Special Frizes Besides the general prizes given in The Canadian Dairyma's dairy farms competition, three special prizes amounting to \$80, were donated by the City Dairy. Toronto, to the three highest competitors sending their milk to the City Dairy. The first special prize (\$28) weak won by Mr. D. J. Mc United Dairy. The first special prize (\$28) weak won by Mr. D. J. Mc United Dairy. The first special prize (\$28) become stored by the Competition of the special prize (\$28) become stored by the competition of the special prize to Mr. Thomes Hartley, Downs-view, who stood sixth in the general list. The third special prize (\$18) prover to Mr. Thomes Hartley, Downs-view, become special prize (\$18) prize to Mr. Thomes Hartley, Downs-view, who stood sixth in the general list. The third special prize the Mr. A context of the two leading farms, Mr. Georg: McKenzie's and Mr. David Dunean's, will be given in the next issue of The Canadian Dairyman and Farming World. This description will comprise full mor-mation on the methods pursued by these men in the management of their farms and dairies.

Mr. Robinson's Jersey Herd

In looking ever the Johand Revenue Department Bulletin, No. 144, dated September 24th, 1007, lately issuel, which gives re-ports on the qualities of milk sup-plied in different parts of the Do-minion, we note that sample No. 29,600, taken on August 22, 1907, from a 16 quart can in delivery waren, belonging to Fred T. Robinson, Faq., Proprietor of "The Nashwanksis Dairy Farm," Freet, et Nashwanksis Dairy Farm," Freet, et Nashwanksis Dairy Farm, "Freet, et Nashwanksis Dairy Farm," of the Ashwanksis Dairy Farm, "Freet, et Nashwanksis Dairy Farm," of the deliver, which the excep-tion of two, of the entire samples tested in the Dominon, and these two are not quoted as taken from a deliver ywagen. In looking over the Inland Revenue



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FOR WEEK ENDING MARCH 11, 1908

No. 8

Testing Seed Grain*

Testing seed grain is absolutely necessary in order to get the highest results in farming. Good seed is at the foundation of good farming. It takes nearly as much work to get a crop of 30 bushels an acre, as it does to get a crop of 30 bushels an acre. The difference in yield may be dependant largely on the seed.

As a preliminary to testing, all the seed should be carefully screened with a fanning mill, and only the largest and plumpest whole seeds should be saved for sowing. This applies to any kind of seed, and, especially, to root seed. During this process, all the weed seeds possible, and the dirt should be removed. Where it is possible to discriminate as to the age of seeds, old seed should not be nown, since most seeds deteriorate in germinating power very rapidly after the first year. It is not always uccessary for the farmer

to test seed of his own growing, provided he selects the best and sows only the fresh seed each year. Testing is always advisable. however. Frequently the farmer must buy his seed, and then testing must be r sorted to, or he will not know what he is getting. Appearances deceptive, and 0.70 even though the seedsman gives a guarantee as to germinating nower, it will be advisable to make a germinating test, as the seed-onan will not make good any losses sustained after the seed is once on the ground. Again, if the farmer finds it necessary to sow old seed, it should first be tested, so that he will know what quantity to sow ar acre, in order to get a good stand of grain

Many persons test the germinating qualities of seeds by observing whether they are smooth, plump, closesy and of good weight. Seeds which aink readily in water, and pop when placed on a hot, stove are considered good by many farmers and seedamen. None of these tests, however, arsufficient. In some cases they are of no us whatever. Actual aprouting, or growing of the seed, is the only final test of germinating power.

The selection of seed for germinating tests, demands painstaking effort, and good judgment, in order that the seeds used may fairly represent the sample. This selection may best be made from a bag which is a good average of the whole lot. Empty this bag on a clean floor, and shovel it over several times in order to have it fairly mixed. Then take samples from various places in the pile, mix them thoroughly and select a sample from this. Pick out from this sample, 100 "verage seeds for testing.

*From an interview with Prof. Zavitz, of Guelph, by a rep

There are two plans, or systems of testing the germination of seeds. One is by the simple sprouting of the seeds, and the other the actual growing of them. The former is a very convenient and an easy method, but has the disadvantage of not properly showing the vitality of the seed. Many seeds that have not the sufficient vitality to grow into useful plants, will sprout or germinate. These are of no use to the farmer. It is only by the method of actual growth of the plant that one can be sure of their value as seed.

A method of simple germination, that is very convenient for use with small seeds, is as follows: Take two pieces of blotting paper, or several strips of cloth and put between these the 100 seeds selected. Dampen the whole, place on a plate, and invert another plate on the 'op-Moisten occessionally, and take out and keep placed. The depth for planting should be vegulated, according to the size of the seed; if the seeds are small, they should only be nicely covered. Place the 100 seeds in the holes, one in a place, cover, and press down with the fingery. Keep the soil watered, with a spray, if possible, and observe, not only the number of plants hat come up, but also their vigor of growth:

Soth of these methods can be conducted at the temperature of an ordinary living room, and at any time of the year, as long as their is not too wide a variation of temperature. Yet many of our grass seeds, such as timothy, meadow for tail, and blue grass, seem to require certain variations of temperature, which represents the difference between night and day during growing wather.

Beet and mangel seed differ somewhat from our ordinary seeds in that what appears to be a

single seed, is really a

seeds. One should not

be surprised, therefore,

if two, three, or even

four, plants, are pro-

duced from one seed.

Since only one of these

would be of any use

finally, in the field, it

would be advisable to

count each cluster as

one plant, and figure

with 100 as the stan-

dard, the same as with

the other kinds of

Now, is the time to

make these tests, so as

to be ready for the

of the methods describ-

ed may be used by any

one with very little axperience, and they re-

quire practically no outlay for equipment.

There is no excuse for

any one not knowing

and a little time judiciously spent in test-

is planting.

spring season.

what he

Either

seeds.

several

cluster of



ICE HARVESTING SCENE.

Herewith is shown as ice harvesting scene. This is an impertant winter industry. As will be noticed, the work is being dones on harpe scale, the company operating same being engaged in the los supply business. In the foreground on the left of the picture will be noticed a mow scenaer with horse attached. On the right are to be seen a plow and market, to which also horses are attached. The rear of the some scenaer are a number of mone cutting is with hand away, while a little to the right of them is a man with a hand her plow which shows up rather indisting bing indicated by the solution, thus, in the foreground that the field has been gone over with ho market, the market by indicated by the solution, then is a man with a hand her plow which shows up rather indisting bing indicated by the spinores. After the is base torm out, it is footied to the right concerned with the market, the market, the market by the market by the market by the solution of the last been gones with the summer's supply of the should be gathered.

count of the seeds as they germinate.

For larger seeds, or, in fact, for nearly all seeds, Prof. Zavitz recommends planting in hoxes of soil or sand. The sand usually is used, since it is the most convenient and least variable. Any kind of soil, however, may be used, provided it is not too sticky, and does not vary too much. The boxes should be 11 inches by 11 inches, inside measurement, and three inches deep. This admits of the sowing of 100 seeds at a distance of one inch apart each way, having a margin of an inch around the outside. To get the seeds properly spaced, a cover is made to fit the box, and ordinary shingle nails are driven into this at the proper distances, leaving about one inch exposed, with the head left on. By turning the cover up side down on the filled box, and pressing on it. the soil will be compressed, and at the same time, the holes in which to plant the seeds, are made. On removing this lid carefully, nice sized holes will be left, into which the seed may be ing now, will increase materially the harvest next fall.

Spring Care of the Brood Sow Joseph W. Barnett, Ontario Co.

I like my brood sows to have plenty of exercise. They are given a dry place to sleep in and I let them have the run of the barnyard all winter, only penning them up at nights for a short time, before I expect them to farrow. After they farrow I let the sows out a few minutes every day. When the little ones get smart, if the weather is warm I let them go out with the sow, regulating the time to leave them out by the size of the pigs and the state of the weather.

I make roots the basis of the sows feed, with enough light grains, mixed in her slop to keep her in good flesh, gradually reducing the roots and increasing the grain as farrowing time approaches and follow on with the same feed after she farrows, only increasing the roots again. I have had very good results from feeding ground wheat screenings to both the sow and her litter. Shotts and ground oats are very satisfactory. As soon as the pigs are old enough, I feed them a little skim milk in a separate trough adding a little shorts or chop as they become older.

Rural Telephone Lines Growing in Favor

The rapid growth of rural telephone lines n Ontario, and, in fact, in Canada, is the best evidence of the increasing popularity of this useful adjunct of farm life. Recently a rural telephone service was established in the township of Ro-heater, in Essex County, Ont. This system follows the road for 20 miles, passing through the Iowaship of Ro-hester, Maidstone and Tilbury West On this line there are 72 telephones in operation, and already the town council has received petitions for 30 more telephones. Although the service has been in use for only a short time, it has been installed long enough for the subscribers to express themselves as highly pleased with the results.

THE COST OF THE SERVICE

From a very careful detailed account kept during the cost of installation, it was found that the cost of the telephone to each subscriber was a trifle under \$40. Allowing 10 years in which to pay this amount, the interest on the unpaid principal, at three per cerest would amount to \$1.20 each year. Then, the action of operrating the exchange which, by arrangements made, amounts to \$1, thus making a total yearly outlay of \$6.20 each year for 10 years.

The advantage of local telephone lines is that they are owned and operated by the community, and not by corporations, whose object is the making of a profit. Every subscriber is directly interested in the successful operation of the line, and thus matters requiring attention are important to every subscriber.

WHY THEY ARE VALUABLE

Space here is too limited to enumerate the many uses to which the telephone may be put. It is useful for getting into immediate commanication with your nearest neighbors, or those 'iving 5 or 10 miles distant. It can also be used to speak with villages, towns, and cities several hundred miles away, for summoning a doctor 'n case of sickness, for calling aid in the event of fire or burglaries, for learning the news of the community, and many other purposes. Wherever reliable telephones have been installed in rural communities, they have paid for their cost, in many cases, in less than a month. Statements that have been made to us show that they have been found so useful that farmers would not part with them for almost any price, if they could not be duplicated.

GET A GOOD SERVICE

Any of our readers who are planning to instal a telephone, service, should receive positive assurance beforehand that the telephones they instal are absolutely reliable. An unsatisfactory service is most annoying. A telephone to do good work, must convey the sound of the human voice in a clear, distinct manner; it must be made of the best material; it must be so constructed that it will stand for years, without the service being affected in any way. There are many apparently good telephones, which look all right when they are first installed, but which, after four or five months' use, become almost useless. Upon the proper selection of the telephone depends its usefulness and reliability. See that the telephone installed in your community is the best on the market. Even if it costs a trifle more than a cheaper make, the satisfaction that you will experience will more than compensate for the difference in cost.

WHAT THE PEOPLE SAY ABOUT FREE RURAL DELIVERY

The Fifth of a Series of Articles Written for The Canadian Dairyman and Farming World, by an Editorial Representative of this Paper, who Recently Visited the United States, with the Object of Studying the Free Rural Mail Delivery System.

OTHING the United States Government "has done for the farmers, has been as universally approved as the introduction of free rural delivery. Peo-

ple living in cities and towns, including some if our Canadian post office officials, do not appent to realize that our present system of mall distribution, in country districts, imposes a heavy tax on our farmers. This tax is not one that can be figured out in dollars and cents. The burden it imposes is none the less great.

It is paid by our farmers through the lime they lose and the trouble they are put to when they have to walk, drive, or send for their mail. Many of our farmers have to drive three or four miles for their mail or do without it for days at a time. When they do without, they are taxed another way; that is, by being kept out of touch with the news of the country side and of the world and by the losses they avain through not being informed in regard to the latest market quotations. Sometimes this tax is a heavy one.

Until free rural mail delivery was introduced the farmers of the United States were taxed in the same maner that our Canadian farmers are now. The advent of free rural delivery changed everything. It was not until some of them began to have their mail delivered at their doors daily, that they realized the benefits they derived through receiving the daily paper. They then understood how great was the tax they had been paying.

A SUCCESSFUL EXPERIMENT

When free rural delivery was first started, thu-United States Government announced that hu service was being tried only as an experiment. After the service had been tested for two , cars, the Postmaster General sent a circular letter to farmers and to each postmaster from whose office a rural free delivery service had been established: The postmasters were asked what were the sentiments of the people in regard to the benefits ri the service, if the mail matter handled by the carriers had increased and for other similar in formation. The letters received showed that the farmers were practically a unit in endorsing the service.

The following extracts were taken from only a few of the letters received at that time. With two exceptions, the letters are from people sying in northern states adjoining the Ganadian boundary, where the conditions prevailing are closely similar to those we have in Ganada.

MAINE

Gorham, Me.

"I cannot find words to express my apprecation of free delivery. It is something I always wanted, but never expected. There is more mail comes an this route than would come on the old system, especially daily papers. I cannot see why it could not be extended and still pay."

P. I. Libby.

North Deering, Cumberland Co., Me. "The people are very much pleased to have the mail bought to them, and desire its continuance. The amount of mail has increased since the start as follows: July, 1907, 1436; Atgust, 1638 pieces. July, 1908, 1,770; August, 1856 pieces. There has been an increase in the delivery of newspapers." Mrs. Hannah D. Cobb, Postmaster.

Highfields Poultry Farm, West Falmouht, M*. "I have found the rural free delivery service very beneficial, and in fact I do not see how we over got along without it. I think that there would be fewer abandoned farms if the rural delivery were extended, as it brings city ways to the farmers and lessens the desire to leave the farm 7 would strongly advocate that the money appropriated by Congress for tha free seed distribution should be used toward the support of the rural free delivery. Our mail delivery has been very satisfactory, and our carrier has been very obliging."

Chas. G. Purrington.

ARIZONA

Tempe, Ariz.

"Rural free delivery changes the entire environment of farm life. The great question ever since the close of the civil warh has been , what can be done to keep our boys on the farm? City life seems to draw them. Eatly in the day we receive the 'daily' and the news from all parts of the world, and five or six times as much reading matter as is wanted. The result is, the young people have something to look forward to when the postman comes in sight and are contented with home or farm life. More rural delivery all over the land is the thing to preach from the housetopa."

Henry C. Yaeger.

CALIFORNIA

Post-office, Los Gatos, Santa Ciara Co., Cal. "I have made five trips with the carrier over the route just established and found there were 187 families, and a few more on the side roads, that are going to put boxes on the main roads. All are not having their mail delivered as yet, as they are waiting to get suitable boxes. Went to see Mr. Dexter about going across his place to get to the Quito road. Found him very much pleased with the idea of the delivery, and ha went to work and put his road in good condition, as did also his neighbors, so we nave good roads all over the route, and the carriers can get ver it all in three and one-half hours."

W. C. Campbell, Postmaster.

MICHIGAN

Climax, Kalamazoo Co., Mich.

"I would much rather give \$5 out of my own pocket each year than to have rural delivery discontinued, as I cannot afford to travel five miles and back every day to keep posted on the markets and news of the day. I have talked with many since your letter came to hand, and they asy that, having got a taste of a good thing, they would be lost without it."

Albert J. Harding.

Ridgeway, Lenawee County, Mich. "The sentiments of the patrons reached by the rural free delivery from this office, are that it is a perfect success, and all desire that it be continued permanently. The mail matter handled increased very much. The service on this route did not commence until May 2, 1898. The aggregate number of pieces delivered and collected from May 2, until June 30, inclusive, was 6.967. The aggregate number of pieces collected and delivered for the months of July and August was 8,462. The increase in newspapers has been large. The patrons availed themselves of the opportunity to have the carrier carry express packages. 'The merchants here send many packages by the carrier; also the Western Union envelopes, and all seem pleased that they have the chance of such good service."

C. W. Culbertson Postmaster.

Ridgeway, Mich. "It meets with the greatest favor from everyone along the route. Many, like myself, were

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obliged to go four niles or more to get their mail, which entirely excluded us from taking a daily paper before we had free delivery. It seems to use that it must be paying, or easily so thus far, and, in my opinion will pay better after it is once permanently established. It is considered just that we should have free mail falivery once a day, as we contribute our share to the general expenses of the Government, and should receive some direct benefits. People in the cities have free mail delivery four or five times a day. We are content with o.ee a day.' Wilcer D. Easile's.

Tipton Cheese Company, Secretary's Office, Tipton, Lenawee County, Mich,

"Rural free delivery is of great benefit and pleasure to us. We would feel almost as bad over losing it, as we would to lose our homes. It is a step in the right direction, and surely our Government can never make a retrograde movement. Though it may require a slight addition to the funds, I think the service should be extended to all the thickly settled portions of the country. I am satisfied that there can be a saving of at least one-third made in han'ling the mail of our townahip, and yet have the service extended nearly one half, by letting the handling of all the mail to the lowest possible bidder."

William A. Beebe.

of daily papers taken, for you have seen the reports sent in from time to time by the postmaster; but I wish to call your attention to a few of the things which the free and regular delivery of mail in this section has accomplished.

First. It has enabled us to take daily papers, and thus keep posted on the markets, and, as a matter of fact, the farmers through this section have better prices for their commodities, sum,ly from being posted on what the articles were worth in New York or Boston.

Second. This section has a great many rented farms, and many of the tenants change in the fall. Since the rural delivery went in to effect it makes it a better place to live in; in other words, we are not so isolated, and the results are that a better class of lenants are coming into the community—men who real, and are better clines generally.

Third. Since the rural delivery went into effect, the value of land has increased, which can be traced directly to that as a cause. I am an administrator of an estate, and had to sell a farm situated on the second route, and the man who beught it, told me that it was one of the strongest inducements to buy the farm, because it wa, located on one of these mail routes. On route 2, in this town, prior to May 1, only four daily papers were taken, and now there is harily a house on the route, so the carrier tells me, shich

Ice Harvesting

5

R. M. Loveless, York County, Ont.

It is up to us as dairymen to strive to place our dairy products on the market in the best possible condition. Excellence of quality should be our motto. In order to attain the highest degree of excellence there are many details demanding attention. In milk preduction, two very esential requirements are: the judicious care and feeding of our cows, and the careful handling of their milk, particularly during the summer. When the thermometer registers 85 to 90 degrees in the shade, or during the close, sultry, magy days of fall, the milk producer who is without a supply of ice is seriously handicapped.

A CHEAP HOUSE

A very simple and inexpensive ice house may be built thus: Having secured as shady a spot as possible, on ground that will allow water to drain away, place four corner posts with one in the centre of each side to which boards may be nailed. The posts on one side should be about four feet longer than those on the other side, and those between should be cut so as to allow 'or the slant of the roof. Scentling should be apiked from post to post across the ends at the top, and other seantlings laid crosswise to support the reof, which may be made of inch boards laid so that cracks are covered. For a door, place au extra door post in side where door is needed.



The Farm Home of Mr. R. M Loveless, Agincourt, Ont., Fourth Prize Winner in our Recent Dairy Farms' Competition

Mr. Loveless' farm is conveniently arranged and can be worked to good advantage. When the judges vidted the farm in July, the crops were in excellent condition. Upon the second sit, made in January, stock was looking well and everything about the stable was in a neat and sanitary condition. The buildings are not as large and expensive as those owned by some of the mentions, where we are not and well kept and sufficiently large in proportion to the size of the farm. By winning fourth prize Mr. Loveless exerces 80.

NEW YORK

Baldwinsville, Onondaga Co., N.Y.

"The general sentiment of the people is very much in favor of the continuance of free nail delivery. Nine-tenths of them would be badly disappointed to have it discontinued, and the other tenth is composed of chronic kickers, and people who have searcely any mail, and havno interest in the world outside of their little shell. The amount of mall matter delivered has increased since the establishment of the service. There is only one class whom free mail delivery hurts in the least-that is the saloon keepers. There is now no excase to come to town for raail, s the farmers stay at home and read, and our streets are quict."

Martin Harrington, Postmaster. Highland, N. Y.

"Not in my life has the Government at Washington, enacted any legislation which is so thoroughly appreciated as the free rural mail delivery. I need not speak of the increase in the number of letters written and received by the rural population, also the increase in the number does not receive a daily paper. The same is true of magazines. Can you estimate the educational value of the system to the rural population? I say to you in all sincerity that, next to the pub lic school, and the church, the free delivery of mail to the rural districts will, and does, do more for education than any, or all, other agaucies now at work. We prize it for its true worth, and would deem it a great hardship to be deprived of it. The route has been recently changed, and now accommodates about 25 per cent. more people than at first, with no increase in the distance travelled by the carrier. The system is working well, and gives entire satisfaction, so far as 1 have been able to ascertain, and anything that I can do to make it more so, and to extend .ts influence and usefulness, will be cheerfully done."

George A. Fuller.

Thousands, yes, hundreds of thousands of letters similar to the foregoing, and all from farmers, could be published, were it necessary. Those given will serve to give some idea of what the farmers of the Upited States think of free rural delivery.-H. B. C. utilizing centre post for the other door post, then cut inch boards to fi inile of posts. 'these may be placed in position as the ice house is being filled, and removed as the ice is taken sut. Inch boards will be sufficient for the sides, and nails will be required to hold them.

For 20 tons of ice build the house 12 ject square. By utilizing 10 feet square for the ice, a space one foot wide will be left between the ice and walls which should be filled with sawdust, packed as firmly as possible. Cover the ice with sawdust at least one foot deep, and make sure of having ventilation over the ice, otherwise the sawdust may heat, and the ice will waste rapidly.

With plenty of sawdust, good drainage and good ventiation ice may be well preserved in such a building as here described, at a very moderate cost. As dairymen, let us be loyal to our calling, and do all in our power to raise tha standard of our dairy products, and to that end PUT IN ICE.

It is of the greatest importance to adopt a definite system of rotation and stick to it.

Thinks a Separate Breed Better

F. R. Malory, Frankford, Ont. dual purpose breed of cattle is, in opinion, an impossibility. It is t as impossible as a general pur-e breed of horses. We can admit my just pose breed of horses. prose offeed of norses. We can normit the individuality of animals, but we cannot conceive of a breed making progress towards two diverse ends. Take any breed, for example, end let two sets of men breed for different purposes, and what is the result? purposes, and what is the result? Confusion. But, we must admit, that there are individual animals of the beef breeds which would do credit to any dairy herds. There are also, oc-casionally, animals of the dairy breeds which are better adapted to laying on flesh than to giving milk. But, are these individuals dual pur-

pose? Let them rather be called "out-

The breeders of dairy cause of the wish to produce animals of a ten-dency to store a large amount of flesh. The Galloway, Devon and Polled Angus breeders do not desire a cow The breeders of dairy cattle do not [to give a large quantity of milk. But the Shorthorn men seem to be divid-ed in opinion. They believe that the Shorthorn has no peer as a breed for the production of beef. Let that be conceded. But the market for meat, and the high price of feed, has made the fattening of secres less pro-fitable then formatic. Comparisonal of the secret stable the formatic. fitable than formerly. Consequently, with the prices of dairy products soaring, we har more about the dual purpose and the dairy Shorthorn. But it is hard to cater to two diverse

markets. The dealers, or so-called breeders of Shorthorns are procuring good financial returns from importing, breeding, and selling, stock for preedbeeding, and selling, stock 'r preed-ing purposes. But the feeders, or the men who are making meat out of their farm produce, are not satis-fied, consequently the agitation for something that will give more milk. The chief claim of the dual pur-pose men is, that cows can be pro-cured that will feed their calves, and give surplus milk enough to make a profitable dairy business. This, however, would seem like a dangerous experiment, because the production of milk might be carried too far, and of milk might be corried too hay, great injury done to the meat pro-ducing qualities of the breed. There would be no rudder on the ship. The tendency to develop the breed would interneed by the market. Which tendency to develop the breed would be influenced by the market. Which ever product was selling at the most profit, beef or milk, would influence a great many breeders, consequently great fluctuations in the popular type would take place, and, possibly, in the scramble for dual purposes, the present high standard of excellence for meat production would h be

lence for more satisfactory impaired. Would it not be more satisfactory to go one step further, and say dairy Shorthorn, rather than dual purpose? It would save confusion, and be more true of the dcsired type. Or, per-haps, a better suggestion, from a true of the desired type. Or, per-haps, a better suggestion, from a flesh producing point of view, would be to form an entirely distinct breed of mikking Shorthorns, with a herd book of its own. The dairy Short-horn men could then make their cat-the shighle to this avert book by -standard rism any of the dairy breeds now have acouncil. have acquired.

It may be that the Shorthorn men in discussing the milking qualities the breeds, are promoting their own interests, considering the state of Interests, considering the state of the market. But that they mean or desire to leave the present high stan-dard in search of a dual purpose mytin, will not be believed. They know now that by breeding along certain lines that the production will

be consistently good, but when they leave those lines, to attempt an tirely different object, the re would be chaos. result More than Good Looks Were

Needed

D. Robertson, Halton Co., Ont.

Cow testing is one of the most im-portant questions affecting dairy farmers. A man may be a good feeder, may study carefully his cows and be may study carefully his cows and he well posted in the care and breeding of his herd, but unit he keeps an individual record ot , ch cow and uses the Babcock test as well, he is not at his best.

Not at his best. We have been using the scales and testing our herd for three or four years. Previous to this, we were not raising any calves but buying our cows as needed. We bought none but cows as needed. We bought none but good cows as appearances go. We soon discovered, however, that some thing more than "good looks" was needed, and we began to keep records. non uncovered, novever, that some-thing more than "good looks" was needed, and we began to keep records a probability of the second second term of the second second second second on the way to this room with each cow's milk, the milker weighs and a none leaves the milk in the room where it is extirely shut off from the state of the second second second second where it is extirely shut off from the second second second second second second where it is extirely shut off from the second second second second second second where it is extirely shut off from the second second second second second second where the second second second second second where the second second second second second with the ideal dary type, was not, in every case, the best paying cow. We were convinced that if we wanted to grade up our herd, we must raide our own cows, so we discontinue buying cows and for the past three yars from our best producers. We were able, also, at their opper worth and here we acally what cows to get it do. The record keeping is a great incen-tive to the milkers and feeders. The the flow day after day, threehy doing better and cleaner milking. The feeder will watch the effect of the different feeds and the manner of feeding and watering as well. Both can see at once how any rough treatment or ex-posure to cold or draughts till seed pod care will increase it. The time taken in weighing the milk is fully compensated for by the attend-ants. Again, the heaping of records will

ants. A going the seeping of records will be also ants. Again, the based time of the year tell you the bast time of the year tell you the bast time of the year tell you have a solution of the second that our cows that come 'nd during the year, give more milk than if they come in at any other season. We have not as yets been able 'o complete a system for keeping an accurate account of the cost of production. This is important, however, and until the dairyman can tell exactly the cost of producting the milk, he has not solved the whole question.

tion. Every man who keeps cows should weigh and 'test the milk of his perd If he cannot do this, let him join one of the many cow testing associations of the many cow testing associations which are formed or are being formed throughout the Dominion by the Do-minion Department of Agriculture.

How to Produce Dairy Cows

How to Produce Dairy Cows "The necessity for good dairy cows much the sensity for good dairy cows hubber of an interesting address do-livered by Prof. W. B. Richards of the North Dakota Agricultural Col-lege at the recent Dairymen's Con-vention at Winniper. Manitoha, he said, was passing through the same same states had done. The dairy cow was most value to for converting feed dairying was due largely to the lack of cod milkers could be obtained mod milkers could be obtained producer is fed, the cost of produce

Twice as Good An Investment

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is easiest on the horses' necks. It is so perfectly adjusted that it is not necessary to carry the pole on the whiffletrees to lift the weight off the neck yoke. The "Bissell" Disc Harrow does not drag all the strength out of the horses, but saves it.

Surely, the harrow that does better work in half the time and is easiest on the horses is "twice as good an investment "-and that is the "Bissell." Free Booklet on request. Write Dept R., or ask your local

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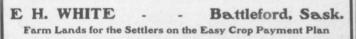
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The opportunity of obtaining a first class quarter, half, or whole section in the FAMOUS BATTLEFORD DISTRICT on exceptionally easy terms, is now presented for your consideration.

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tion is run up much higher and the

labor is run up much migner and the labor is just as great as where a good one is fed. Pure bred sires of some dairy breed should be chosen. The calf will ac-quire the characteristics of the sire. A quire the characteristics of the size. A size of the same breed should be used a second time as the good results will be spoiled if the blood is mixed. If they are creased for two or three generations, they will be almost as good as pure breds. The process of ealling should be started at once up means of the scales and the Babbock generation of the scales and the Babbock means of the scales and the Babbock is the scale and the scale and the babbock is the scale and the babboc

Rotation of Crops

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siderations. It is impossible, there-fore, to lay down any one system, which every farmer could adopt, and carry out successfully. At the recent dairymen's conventions, Mr. J. H. Grisdale, of the Central Experimental Grisdale, of the Central Experimental Farm, Ottawa, gave a system of rota-tion well adapted for dairy farming. This has appeared in recent issues of The Canadian Dairyman and Farming World

World. Where a farm is so situated that manure canot be applied regularly, a three year rotation of grain, clover, hay, pasture, in succession, would work well. A three year rotation, corn and roots, grain and clover hay, is well suited for a farm, where it is desired to keep a large number of cattle, and where three is more or

less broken irnd to serve as pasture. For the average farmer, who is en-grad in general farming, a four year rotation, consisting of corn and roots, potatoes or peas, the first year; grain the second yea; followed by clover, hay, and hay or pasture, the next ico years, is well suited. A five year rotation-grain, with 10 pounds of clover seed to plow down for fertilizer; corn, roots, potatoes, or

The Canadian Dairyman and Farming World

A five year rotation—grain, with 10 pounds of clover seed to plow Jown for fertilizer; corn, roots, potatoes, or peas, grain; clover hay, hay or pas-ture, sown in success in, may be fol-lowed with some advantage, where there is a moist elimatic. Where elimatic conditions permit of a good growth after the corn crop is hare vested, clover is very profitable to very eas rotation—Grain; clover, hay or pastaric; corn, betatoes, roots or peas; grain; clover, hay or pasture, is perhaps better adapted for the avec-age farmer anxious to quickly put his farm ing god heart, and keep it in that condition. In the recent dairy farms compe-tion, ield in York County, a number of the competitors lost points, he-cause the judges found that they did not have any system of erop ro-tation. In other words, they there need. Farm this year, as though you were going to enter a good farms com-petition. Adopt some system of crop rotation.

Cow Paths That Lead Far Apart

Mr. W. F. Stephen, associate editor The Canadian Dairyman and arming World, exhibited a chart t the recent dairymen's convention Farming at Huntingdon, Que., which he called "Cow Paths that lead far apart." The "Cow Paths that load far apart." The average production of the cows of Canada is 3,000 lbs. of milk, and 115 lbs. butter a year. This, at 22 cents a pound, gives \$25,30. Estimating the cost of feed at \$36,6 it leaves a loss of 70 cents a cow. He cited a case in his locality where in 1005 a herd of 28 cows grad bs. of butter, which at 22 cents a pound, gave \$70,75. Deducting cost of feed for the year, \$38,00 a cow gave a profit Which at 22 cents a point, gave $\frac{2}{3}$, $\frac{2}{3}$,

ing 248 lbs. butter, having a value of \$44,56. It is needless to say that the oware of this herd had paid great attention to breeding Scotch animals from high producing families. He also paid great attention to the feed-ing of his herd, and when they did not come up to the standard they were sent to the butcher. The speakac em-phasized the value of milk records to the dairyman. They took so little time, and proved of great value in determining the unprolatable cows. time, and proved of great value in determining the unprofitable cows. He considered the spring balance scale and babcock test a necessity in his stable, and would discard other things before he would let these go.

Alfalfa: Food and Fertilizer.

Throughout the Dominion, Alfalfa now recognized as the most profitais now recognized as the most profita-ble crop the dairymanfarmer can grow. No other plant can equal it as a flesh-forming and "Milk-Pro-ducing" food. Animals pastured on it show a trapid gain in condition, especially milch cows and hogs. Aft-er the first season it will yield three heavy crops each season for many years, and that of a food proven hy analysis to bear nearly equal to bran in nutriment. Alfalfa can be grown in any part of Canala where red clower will move

Alfalia can be grown in any part of Canaia where red clover will grow. An expert authority advocates that the seed be sown only after the sur-face soil has become warmed, gen-etally speaking, about the first of June, as cold and damp kills off the germination. Alfalia will require no cultivation for years excepting a coat of farm manure every winter to make up for the vegetable matter thron has been taken off with the trop.

But it is as a fertilizer that Alfal-fa is so remarkably valuable. It col-lects immense quantities of mitrogen from the air, and thus furnishes the soil in a natural way with large quan-tities of the richest fertilizer. The roots of Alfalfa penetratic deeply in-to the subsoil bringing to the sur-face rich miterial food that could Its deep rooting habit opens up the subsoil, allowing free access to air and water which sweeten and renovate the land. the land. Alfalfa is certainly destined to revo

Artarta is certainly destined to revo-lutionize farming in this country. Its food values, bount-ous yielding proper-ties, and rare fertilizing action render it the most valuable plant known to Agricultural Science.

Judging Dairy Cattle

Judging Dary Cattle "The main feature in judging asiry cattle from the farmer's standpoint is that the dairy cow should repre-sent a perfectly working machine that will convert cheap roughage into high class milk products. She is a crea-ture of habits and takes only a cer-tain type which has been established on certain clearly defined lines to the satisfaction of all stockmen." This opinion of the dairy cow from

on certain clearly defined lines to the satisfaction of all stockmen." This opinion of the dairy cow from the standpoint of the fame, was are the standpoint of the fame, was are the M. A. C. at the cent Manitoha Dairymen's Convention. Continuing on this question of judging dairy cattle, he said that hereditarily, the dairy cow might be all right, tut in time, she would become completely spoiled by the ignorance or neglect of the dairyman. She must have a large digestive orran, a large rumin-ating capacity the must have a large digestive orran, a large rumin-ating capacity the must have a large digestive orran, a large rumin-ting capacity the must have a large digestive orran, a large rumin-ting capacity the same she was here the good many times .ight.

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HORTICULTURE

Niagera Fruit Growers' Meet

Niage va Fruit Grower's Meet The Niagera Peninsula Frai Grower's Association, with which was ontario Fruit Grower's Association, beld a series of meetings last week and grimsby and SL catharines. The val-ge of uniting the strength and forces of the two organizations, was evi-tions of future successes that emeri-tions of future successes that emeri-will that pervailed, and the predic-tions of future successes that dense. The association wis fortunate in se-guences and the speakers, and those that took part in the discussions. The association wis fortunate in se-guences and the speakers, and those that took part in the discussions. The association wis fortunate in se-guences and the speakers, and those that took part in the discussions. The association wis fortunate in se-guences and the speakers, and those that took part in the discussions. The association wis fortunate in se-guences and the section of the section of the two lines that states, and those that took part in the discussions. The association wis fortunate in se-guences and the section of the section of the meetings. In his own peculiar, happy, forceful style he capitytato the aulience, and made many friends. Thus defende fruits. In his own peculiar, the sublemeet and the culture of small

remarks he congratulated the growers on being united as a body from Ham-ilton to the Niagara River. By unit-ed effort the association would te in a position to deal with questions that are beyond the powers of the individ-ual. Mr. Bunting referred to the cap-id atrides that fruit growing is mak-ing, and pointed out the significant fact that, while much programs al-ready has been made, the inductry now is entering upon an era of pros-perity that has not yat been parall-eled.

MANAGEMENT OF SOILS

MANAGEMENT OF SOLS At one of the meetings in Grimsby, Mr. Farnsworth dealt with the man agement of soils. The address con-tained valuable information, for the general farmer, as well as the or-chardist. "Quantity and quality of fruits depends largely on an abun-dance of moisture in the soil," said Mr. Farnsworth. The various forms of moisture in the soil, and the con-ditions that control its conservation, were mentioned. To receive large

fruits. Mr. W. T. Macoun, of the Central Experimental Farm, Ottawa, and Prof. H. L. Huti, of the Ontario Agricultural Collego, Guelph, are well and and prome. It must be that state have been raimed by the Agricultural Collego, Guelph, are well drained well to get rid of surface and i use of endue petroleum. The best information in the addresses that The sessions were presided over ny the president, Mr. W. H. Buning, in: Moisture excludes warmth and stroys all fungi on the trees, which, in the soil, as it cliccts plant growth; application. Best results have been ob being united as a body from Hamavailable plant materials.

available pions macernais. Ploving is a more important opera-tion in soil management than most farmers think. Moisture exists in one form as a film around soil particles. Ploving breaks up the large parti-cles and for attneturations that the soil should be deeply ployed, di cold sub-soil is not too near the sur-face. face.

face. A potent factor in holding moisture in the soil is vegetable matter or humus. For this reason plenty of vegetable matter should be plowed in, in the form of green crops. Cover crops should be plowed under as early They should be plowed under as early in spring as possible, to prevent loss of moisture through transpiration and or moisture through transpiration and assimilation by the crops should it start to grow. On gravelly and sandy soils, vegetable matter will fill the open spaces that occur between the particles in such soils; in heavy soils. it improves the texture by making them more open.

Mr. Farnsworth said also that good tillage plays an important part in controlling moisture. Rolling should be practised to compact the soil, and be practised to compact the soil, so that water will rise easily by rapil-lary attraction. A light harrow at-tached behind the roller will prevent a shallow surface mulch to prevent a shallow surface mulch to prevent urrough appropriation and transpira-tion by weeds. Tillsee should ye thorough and increasent. Other ad-dresses of Mr. Farmsworth, and th-use of Messre. Hale, Macoun and Hutt, will be found in future issues.

Spraying for Scale

W. H. BRAND, Jordan Station, Ont. W. H. BRAND, Jordan Station, Content of the state of the state

that state have been ruined by the use of crude petroleum. The best material for combatting scale is the lime-suphur wash. This mixture not only stills the scale, but it also de-stroys all fungi on the trees, which, in itself will pay for the expense of application. Best results have been secured by not using salt in the mix-ture, as was first advised.

When speaking of the serious When speaking of the seriousness of the pest. Mr. Farasworth pointed out that scale produces three or four broods in a season, 300 to 500 insects in a brood. A little calculation will show the immense increase in aum-bers that occurs in a very short time.

The tank used for boiling by I Farnsworth is elevated eight feet. Arrows used tor boiling by Mr. Parnsworth is elevated eight feet. A working pressure ~1 about 100 pounds is used when spraying. Byreaying aboud be practised every year thor-oughly whether scale is pressure or not. The mixture invigorates the ion to be that only lime and sulphur can be used with safety on pe ~n trees. Boiling about be done pro-perly. When poiled to the green stage the mixture is injured. The coffee color is propar. Mr. Hale said that while oils are Mr

coffee color is prop.r. Mr. Hale said that while oils are valuable for killing scale, the lime-sulphur wash is the better for all purposes. It acts both as a fungi-cide and as an insecticide. He has had best results by using oil or cide and as an insecucide. He has had best results by using oil one year, and lime-sulphur the next. In some experiments conducted by Mr. Hale with home made miscible oils excellent results have been secured at comparatively small cost.

A New Oat-Last season I grow a six acre field of your Lothian White Oat, and I was greatly pleased with the result. They grew a stiff white straw of medium length, and were the only ost on the place that did not suffer from the place that did not suffer the place the place that did not suffer the place that did not suffer the place the place that did not suffer the place the place the place the place the place the not suffer the place the place the place the place the place the place the not suffer the place the place the place the place the place the place the not suffer the place th

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AIR PRESSURE

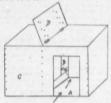


The Canadian Dairyman and Farming World

POULTRY YARD

A Cure for Egg-eating Hens

A first-rate plan, and one that has A first-rate plan, and one that has been proven a succease in curing hens of the bad habit of eating their eggs, is given here. It is simple, and easy to prepare, and is a sure preventive. Secure a bax, in which there are no open cracks between boards, preferably one of matched lumber, such 's can be obtained at a drygoods store. The size should be about 94 x 36 inches, and 19 inches high. Take the top (fi, and in one end of the 36 inch side, cut a doorway, as ahown in illustration, about 10 x 12.



A.-Doorway with box, B.-Door in par-tition leading into dark half of box, C.-Posi-tion of nest, P.-Door to lift and take out eggs.

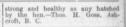
tion of next. D--Door to lift and take out eggs. Next put a partition across the box, dividing it into two halves about equally, and in the partition lazve a doorway, in the haif of the partition farthest from the outer door. Again divide the minor half of the box in half, but only with a six inch board aross the bottom, to keep the next in place, and put the next material in



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There is very likely a slight draft near the roots, and the chickens have caught cold. As they are in good health, they will perhaps throw of the cold before it goes farther, if posible 194. The chicks were as

The Canadian Darryman and Francing world world the part farthest from the inner door, and leave the rest of the box without the time of the



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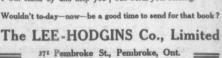
If you want me to, I'll undertake to get you topnotch prices for all the poultry you want to sell. I won't sell it for you, but I'll find you a direct buyer for it, at any time of year-a buyer who can't get enough poultry or eggs, and who pays high prices and pays spot cash down.

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David Barr, Jr., Renfree Co., Ont. My acws run in the barryard, whether the weather is fine or stormy, plenty of cut straw, to which they have access at all time, but they are never shut in. The feed con-sists of turrings, mangolds and sugar beets, thrown out whole on the hard barnyard, twice a day, all they will eat up clean, besides about 21 he, wnole peas a pig daily. I have fed my sows ters, and have had the very best res-sults. I feed this up to a week off farrowing, and often up to farrowing. I try to house the sows a week before. Sults whould have soft light feed be-fore farrowing. A loosening of the farrowing. A loosening of the els tends to prevent fever.

bowels tends to prevent fever. I have started a new ration for my sows this week, corn, ensulage, pulped turnips, oat and barley meal mixed together. We mix enough to feed three or four days, and let it lie in a pile. This is fed in a long trough, twice daily, morning and

A NEW EXPERIENCE Exercise is the main point in rais-ing pigs. Last year I had some ex-perience with pigs I never had before I had a bunch of young sows running with the old ones. They got the small end of the feed and failed con-siderably. I have shut them up and tey cooked uurnips, and oat and bar-towing. The result was a lot of big-fut, squeeling pigs, with half a cook of hair. Though all were living at first, they died after two or three days' warming and earing for. A young sow, a little older than these, was left out till farrowing time, when she was shut up, in thin condition. She had eleven big strong pigs. She raised all of them, and I never ind to put a hand on them. They were far-rowed about the same time as the oth-ers, about the eand time as the oth-ers, about the eand time.

Costly Cows and Testing

8. II. Rewnolds, Bothwell. If could cover are put in the dairy barn, a strict recerd should be kept of each cove. Each own should be tested at least for seven consecutive days each month during the milking scason. I have not been regular in my testing work. However, from the work I have done, I have been able to judge the coves and those that do not make a profit are dried up and fattened for beef. Individuals of dairy scason as their value cannot be real-ized in any other way. A good grade, however, if she does not come up to the standard in milk, can be fed well and run off at any time, without ma-terial loss. terial loss.

Pointers on Feeding.

Fointers on Feeding. Some timely advice on the feeding of dairy cattle was given by Mr. J. H. Grisdale, of Ottawa, at the recent Dairymen's Convention at Cowans-ville, Que. Mr. Grisdale insisted on lots of fresh air in stables and plenty of light. Feeding grain and folder to cattle shut up in badly ventilated stables we's wasting that grain and stable

barley, corn or oatmeal was better for cattle than a large quantity of grain. Make the feed succulent. That was the secret of successful feeding. Fix the feed up, so that the animal liked it and he then would thrive on it

The first of the f

would eat on those two feedings. Summer feeding was strongly ad-vocated as a means of increasing the flow of mikk and the old-fashioned idea of simply leaving it to the pas-ture to produce mikk whereas the farmer saved the produce of his mead-ows for the winter when his cattle produced nothing was severely ridi-ruled.

produced nothing was severely rad-culed. The silo system saved half th: area of land in cultivation. Sow corn in rows 3% feet apart, uniformly so that the farmer may pass through both ways with horse-hoe or cultiva-tor and thus save hand-work, which are a comparison. was so expensive.

Grain Rations That Work Well

Grain Rations That Work Well The question of feeding dairy cattle under North-west conditions was dealt with by Prof. Richards of the North Dalvida Agricultural Colleges in Wr-nipeg. Frof. Richards prefaced bis address with a talk on the need for better barns or of improving the oli ones, laying stress on the need for better ventilation. He claimed that if barns were more conveniently modelled, there would be less diffi-culty in getting ment to milk. He and recommended having the coves freahen in late fall or early winter. In that case, the coves would give more milk during the year, the dairy products would sell for ingher prices in the winter and better beef and dairy calves could be raised. RATION RECOMMENDED

RATION RECOMMENDED

RATION RECOMMENDED In feeding, Prof. Richards recom-mended the giving of a small grain tions that the product of the second term of the second second second at the experimental station, when cows were on full winter feed, were as follows: First-30 lbs. of emailage, 10 lbs. protrie hay, 5 lbs. barley or unearon wheet, 4 lbs. bran. Cows horts; second-20 lbs. millet or rye grass, 10 lbs. roots, 6 lbs. barley or unearon wheet, 4 lbs. bran. Cows with railows, and for this reason sareful test should be made. Above all things, cows should be watered regularly with a good supply of clean, pure water, and they should be railk-ed just as regularly as they are fid-and watered.

and watered. In answer to a question on ensilage Prof. Richards avdocated the growing of more folder corn in Manitoba. In the discussion following this mat-ter, Ex.-Pres. Munroe reliade his ax-perience wilth corn and declared atrongly in favor of the variety known strongly in favor of the variety known as Longfellow, because of the abund-ant yield and the fact that the cob grew well up from the roots, thus facilitating cutting. He said that the dairymen of Manitoba had no occa-sion to feel discouraged. Dairying and mixed farming always came alowly in wheat countries, but they had to come, and for Manitoba they were coming now.

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Scarcity of Horses

lots of fresh air in stables and plenty of light. Feeding grain and fodder to cattle shut up in badly venilated stables was wasting that grain and to cattle shut up in badly venilated stables was wasting that grain and the stable stable stable stable stables to the stable to the stable stable stable stable stable to trage in the horse supply from the military standpoint. General Bir K. Hutton spoke of the deterioration no-tige stable feeding. During the senter on plenty of cheaper foods. It had been shown that straw cut up and moistened and sprinkled with

March 11, 1008

An Educational Feature of the Dairy Farms' Competition

The dairy farms' competition con-ducted last year by The Canadian The dairy farms' competition con-ducted last year by The Canadian Dairyman, has awakened great inter-est among the farming community fiested in York County in a commend-able way. The East and West York Farmer' Institutes, have arranged to hold a joint meeting at Thornhill on Thursday, March 19, when all the leading prize winners will be asked to deliver abert addresses relative to the management of a prize weat hey have derived as a result of the com-petition. The judges, Mearst. J. H. Griadale and D. Drummond, of Ot-tawa, together with others, are ex-pected to address the meeting. Price to, the meeting at Thornhill.

Perior to address the meeting. Prior to the meeting at Thornhill, a visit will be made to the farm of Mr. George McKenzie, the winner of the first prize (\$100), when the stables and stock will be inspected. This is an inovation in the line of Farm-ers' Institute work m Canada, yet it is one that should prove profitable.

is one that should prove profitable. On Thursday evening a banquet will be held at Thornhill. "Freat efforts have been put forth to make this a record breaker. It may be presided over by the Hon. Melson Monteith, Minister of Agriculture requested to attend, and respond "o the various toattend, and respond "o the various toattend, and enterprise." the various teasts proposed in hon-cur of their success and enterprise. Others included in the toast list are: W. F. MacLeen, M.P., Dr. P. D. Mc-Lean, M.P., Thos. Crawford, M.L.A., Alex. McCowan, M.L.A., Dr. Golfrey, M.L.A., J. H. Grisdale, and D. Drum-mond, the judges, L. E. Annis, J. G. Cornell, Pres. T. M. P. A., Chas. S. Poerer, of the City of Dr. Con-dian Dairyman and Farming World, and others. and others

and others. The significance c1 this meeting, the practical tone that is given it by rea-son of the visit to a high-class dbiry form, and the social feativities of the evening, will give York County Lorm-ers, and others who can attend, a grand opportunity to get a wealth of good information. And as for the work that can well be copied. This is but another evidence of the grand work that can be accomplished through the holding of good ferms' competitions. through the competitions.

Live Stock Men Enthusiastic **Over International Show**

Over International Show "We take no second place to Den-ver, and the province of Ontario will not tramp to the tune of Colorado. What has been done in Denver, in the matter of a live stock show, can b, done in Toronto Junction. That we must hold our fat stock shows it, the stock yards centre, is an axiom of exposition experience. It is a their valuable horses in a place which nobody sees, for a nality \$50 which nobody sees, for a paltry \$50 prize

Such was the sentiment expressed Such was the sentiment expressed by Secretary Dods, of the Union Stock Yards Company at the annual banquet of this concern, held last week at Toronto Junction.

week at Toronto Junction. Besides the offloers and directors of the company, there were present at this banquet, a renzeentative gath-ering of stockmen from Canada. The subject of the future of the Union Stock Yards was the chief matter discussed. Mr. Robert Miller, of Stouffville, being called upon to speak expressed strong convictions upon thu-needs of the live stock interests of the province. He had had interviews with Messrs. Skinner and Leonand, of Chicago. some two years ago, when Chicago, some two years ago, when the question of re-opening the live stock show there was under discus sion. The results of their wisdom had amply justified them in their begin-ning, for to-day, they had at Chica-

go, the greatest live stock show in the world. "All the shows and fairs of the last fifty years," said Mr. Mil-ler, "have not done as much for the live stock breeders as had the Inter-national at Chicago."

national at Chicago." A plan of action was outlined by Mr. Dods. He proposed inaugurat-ing a Canadian National Live Stock Exposition, with life membership fees of \$100, and annual membership fees of \$100. If 100 breeders will each be-come life numbers, they can call a meeting, and appoint seven trastees to proceed towards acquiring 400 cueb members. When this number is se-cured, a permanent orcanization can members. When this number 's se cured, a permanent organization can be effected.

The arena that it is proposed to build will cost \$100,000. The Union Stock Yards Company will put up the balance over the \$40,000.

This proposal of Mr. Dods' met with

This proposal of Mr. Dods' met with general satisfaction. Before the final signification and the satisfaction of the final signification of the satisfaction of the coming life members. Many practical breeders expressed the satisfaction of the satisfaction of the White, M. P., Pembroke, believed that the farmers should not seek Government aid. They could make this proposed show as success, and the proposed show as success, and in the satisfaction of the satisfaction that they could iteration that they could dietate to the rulers of the country just what they wanted. Mesers. W D. Carphill, K. E Gunn, R. H. Harding, Jas. Yale, James Smith, A. W. Smith, J. M. Gardhouse, H. J. Davis, W. G. Pet-tit, and others, all volced the same sentiment. sentiment.

If this proposed show 14 undertaken, it means that the Guelph show will probably have to give way to a greater organization. Some of the will probably have to give way to a greater organization. Some of the speakers felt that it was a pity that the winter fair should become di-vorced from the Untario Agricultural College. The general feeling, now-ever, was that the bast interests of the live stock industry could not be served at Guelph. There was room funch sould be built up only at the Union Block Yards, at Toronto Junc-tion. tion.

Lice on Cattle

Lace on cattle I have my tables in a bank harn, with the horses divided from the cows. The stables are condition, built suffyring from lice. What is the cause? What is the best way to get? fid of year to prevent hear is subput good, for cattleft of the subput good for the subpu

M. Simose Co. Ont. There may be various causes for ince on cattle, such as unclear, un-sanitary stables, stock in weak condi-tion, etc. One-half pound of tobacco steeped for two hours in one gailon of rain water will destroy lice on eattle. Wash thoroughly and apply when warm. Four ounces of Pyrethrum and 1 pound of Phenyle powder mixed the cattle when in the stable so that the powder will settle evenly upon their bodies is also effective. Puff the powder well over the building and repeat every day or two until lice are at every day or two until lice are

repeat every day or two until lice are destroyed. A good whitewashing of the stable in the fall before cattle are put in will help. Sulphur is a very good condi-ment if given in moderation. Powder it well and mix with salt or feed.





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A TALK TO THE "BREEDER " OF CROPS

To get the biggest possible crops with the least financial outlay for labor and seed should be the aim of every farmer. You ask how can this best be done. The answer is by seed selection and testing the germinating power of seed before sowing same Full information as to how to do this through the adoption of methods that are at the command of every farmer are given elsewhere in this issue.

The men who select their seed grain and sow only such as possesses good vitality and germinating power as determined by the simple methods of seed testing described elsewhere in this issue are the men who are getting the most out of their farms to-day. Many of these men, by utilizing some of their spare time during the winter months in the testing of seeds are able to produce fifty, six- it with that of former years. That lations at defiance, and races with Growers' Association his fitness for

an acre, whereas the"hit or miss"farm. er would produce but thirty bushels or perhaps less on the same acre. No more work is required to get the big crop. Probably, considerably less seed is sown. The vitality and productive power of the seed is known, however. Practically, every seed produces a plant. In the other case the productive power of the seed is unknown. Much of it is of a low vitality, so low in fact that it is unable to nourish a plant until it is large enough to become divorced from its embyro. Consequently it passes to the "great majority," many do, and the ultimate crop is a disappointmer

With all the means at the disposal of farmers to-day there is no occasion for crop failures because of poor seed. At the Ontario Agricultural College a great work is being done in the way of crop improvement. Crop yields, the reports of which some years ago would have been considered veritable fairy tales, are being produced solely through selection and breed. This work is being conducted ing. for the benefit of farmers. All have an equal chance to profit by it. Not only that, but results obtained should induce farmers to select on their own account.

Mr. R. J. Littlejohn, Leeds Co., writes us telling of what seed selections has done for him. He says: "I have been able to get greater crops with less seed through seed selection. I have been selecting my seed corn mostly before cutting by going through the corn while standing and selecting the best ears. Also I select the seed potatoes while digging and by so doing I have been able to increase my crop considerably. As for seed grain I select my seed from the best of my crops, then taking breat care in cleaning by blowing out all light grain and screening out all small seeds and grains."

Mr. Joshua Knight, of Hastings Co., Ont., has been taking advantage of the seed experiments from the Ontario Agricultural College for twenty years and has greatly improved his crops thereby. He claims that the work is pleasant as well as profitable. Many more letters have been received from farmers who have practiced seed selection and testing and taken advantage of the seed sent out by the College for experimenting purposes, and they secured considerably more out of their farms in conse-This extra crop production quence. more than compensates for the extra labor entailed.

Fellow farmers! Are you satisfied to continue conducting your farming lottery basis? operations on в That is practically what it amounts to when you sow seed that has not been tested or is not guaranteed. Not until harvesting time do you know what you will get. The cry of the times is to test your cows and strive to improve them by breeding and selection. It is equally important to follow similar lines in producing farm crops. Try buying good seed and testing this year. Then take note of your crop and compare

BUY ONLY GOOD SEED

These are several things the buyer of seeds should observe. These may be summarized as follows : Buy only from reliable seedsmen; buy the best grade of seed; insist upon a statement of the percentage of seed which will germinate; test the seed yoursel

Do not expect, however, to get firstclass seed at the price of poor stuff. The best and highest priced is none too good to put into your land after you have expended days of labor in preparing the seed bed. Poor and cheap grades of seed are really more costly than the best and highest priced. Some tests have shown that un clean seed especially in clovers' and grasses may contain 20,000,000 or more weed seeds a bushel. Then poor seed may contain such a small percentage of germinable seed that a thin stand of crops is obtained. It may be necessary to buy 5 or 6 bushels of low grade seed in order to secure as much germinable seed as is contained in one bushel of good seed. You will, therefore, save time, money and labor by buying the best quality of seed and at the same time avoid seeding your farm to all kinds of weeds.

REGULATING THE AUTOMOBILE

There are five bills before the Ontario Legislature having for their object the regulation of automobile traffic on country roads. This shows that the members of the Legislature are alive to the great need for effective legislation

Of the five bills, two provide for keeping automobiles off the roads on certain days of the week and certain hours of the day, the third compels machines to stop when a funeral is approaching or to turn er rushes off at such a high rate down a side lane; the fourth impounds machines that are driven too fast; and the fifth imprisons instead fining a "chauffeur" guilty of of breaking the speed limit or of otherwise contraversing the regulations.

The first two are hardly workable. To define certain days on which no motoring would be allowed, would work unnecessary hardship upon the motorist and at the same time would not give the farmer who uses the roads more or less every day of the week the protection he requires. In the opinion of some it would be better to define certain roads through the himself to be above party consideracountry on which motoring would be allowed. These roads, they say, need not be numerous nor the best equipped roads, thus leaving a large Hilborne, who has received the apnumber of public highways free from any motoring of any kind. The farmer, with horses trained to automobiling could travel on these prescribed roads whenever he wished.

Of the bills outlined, the one imposing imprisonment without the option of a fine upon the "chauffeur" who breaks the law is worthy of an extensive grower of a number of some consideration. It would have different varieties of vegetables, both a salutary effect in keeping in check in the greenhouse and in the open. the fellow, who deliberately and in As soon as he has had a chance to mere bravado, puts all rules and regu- meet the officers of the Vegetable ty or even more bushels of grain on is the best way to become convinced, breakneck speed through the country the position will be admitted.

without any regard for life or proper ty. He is the one who is doing the harm and bringing automobiling into disrepute in rural sections. Thirty or sixty days in "durance vile" would dampen his ardor somewhat and give him time for a little sober thinking

upon the rights of others. The automobile has come to stay, It is a factor in the life of to-day and is destined to become a greater factor in the future. Any legislation looking to its control must keep this in view. The owner of the automobile, however, must not be allowed to trample on the rights of others. The roads of this country were built largely for the people in the rural sections, and are maintained mainly by their efforts. They have, therefore, the first claim upon them. This the motorist must recognize. He should be the first in upholding and enforcing reasonable and effective legislation that will ensure to the farmer, without endangering his life or property, the full use of country roads when and where he wishes.

The Ontario government has been doing good work in enforcing the laws regulating the liquor traffic. Instead of relying upon local officials to see that the law was carried out, agents have been deputed to visit all parts of the province to see that the law was observed. Would it not be a good move were the present laws relating to the speed of automobiles enforced in the same way? Were a few provincial officers sent out, in high speed automobiles of their own, with instructions to watch some of the most travelled roads they would soon be able to capture some of the worst offenders. The trouble now is that when an automobile has been the cause of an accident its ownof speed his identity cannot be detected. Some means of running down those men, who exceed the speed limit, is required. Once a few arrests and prosecutions have been made and duly advertised through the press, the automobile nuisance will soon disappear.

In appointing a Liberal to act on the Board of Control of the Niagara District Experiment Station, to represent the vegetable interests, Hon. Mr. Monteith has offended some members of his party. He has, however, shown tions in the management of his department and thus his stand cannot be too highly commended. Mr. J. L. pointment from Hon. Mr. Monteith, is not a member of the Ontario Vegetable Growers' Association. The Association was not consulted in regard to this appointment and, therefore, has reason to feel that it has been overlooked in this matter. Mr. Hilborne is, however, a successful and

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March 11, 1908

Prince Edward Island Dairymen Meet

Meet The Dairymen's Association of Prince Eddard Island met in an-nual convention at Charlottekown, on Tuesday, February 25. The attend-ance was rether disappointing, but great interest in the sessions was evinced and maintained. President Arthur Simpson, in opening the con-vention, dealt chiefly with the re-vival that is becoming apparent in the dairy industry, and the difficul-ties still to be contended with in the transportation of cheese and butter. One of the causes of complaint is frequent handling and unnecessary delays in getting the cheese to the ocean sciencers, resulting, sometimes, in heated cheese and wrecked uoxes. THE SECRETARY'S REPORT

THE SECRETARY'S REPORT

In heated choese and wrocked toxes. **THE SECRETARY'S REPORT** According to the secretary's report, the wave 4's choes factories and ing the past season. The business showed a slight increase over last year. The larger factories that are placed to close together, are going the mailer factories that are placed to close together, are going to close together, are poing to the farm, being high the last levy res have not been long enough in the farm, being high the last levy res have not been long enough in the farm, being high the last levy have to be have acquired the cour-gether. The layer factories that are placed too close together of dairying have have been long enough in the farm, being high the last levy have been somewhat relarded. Farm-ters have not been long enough in business to have acquired the cour-gether. Bairway is a scale to the area have to go ut of business have the beet farmers are conviced have the beet farmers are conviced have beet farmers are beet farmers are beet farmers are beet farmers a

should fail. The quality of cheese during the averaged 11% cents a pound. Only three prizes were given in the cheese classes at the provincial exhibition last year. The secretary advised that diplomas be award st to all exhibits, and to all cheese scoring over 94 points, so as to encourage a greater exhibit, both in point of quality and quantity. quantity. The trend of the discussion, aroused

quantity. The trend of the discussion, aroused through the reading of the secreary's report, was that it was essential that the Prince Edward Island dairymen stand by their industry, and make ut a success, as there is nothing else to a success, as there is nothing else to the success of the success of the success adverse was delivered by Mr. Geo. H. Barr, official referes at Montreal. He touched principally on the de-velopment of the industry in the pro-vince, the care of milk, etc. Lieut.Governor McKinnon epoke strongly of the benefits derived from co-operation in dairying, as well as in other lines of farming. "Give the young man who is going to remain on the farm," and the, "a chance to get an eudention as well as the man who takes up a profession." **ERSOLUTIONS**

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get an eudeation as well as the man the takes up a profession." **RESOLUTIONS** A resolution was paused favoring the extension of agricultare, as in the extension of agricultare, but the the statement is a sub-transfer the extension of agricultare, as in the statement leading in the statement of agricultare, as in the statement leading is should be is due to the leas statement that hand is should be is due to the lutter in the strongly advised the feeding more grain to dairy cattle, claining that sattle were not half fed, or that sattle were not half fed, or that sattle were not half fed, or the strongly advised he feeding more grain to dairy cattle, claining the the would pieduce double what they some places in order to reduce or the the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the strongly advised he feeding that sattle were not half fed, or the

were doing. Corn was not as sure a crop in Frince Edward Island as in bome other places, but they could beat the world in growing roots. Oats, clover and roots were good feeds for dairy cattle. When clover failed, row oats and peas as a substitute. Termier Hazard spoke in optimis-the industry was making a healthy prowth, backed up. by more dairy nowledge on the part of the man behind the cow, was the trend of an address by Waltor Simpson. The uusiness had had its boom, and rad suffered a set-back, but would have a steady growth now, as they aire avoiding mistakes formerly made. What was wanted, he said, was few-yer cows, and more milk, consequent by, more profit. A good many tay, and the object lessons they are gri-ing others, will have their effect in a strong revival in the dairy busi-ness.

OFFICERS FOR 1908

OFFICERS FOR 1908 The old board of directors was re-elected. This consisted of the fol-lowing: Prevident, Arthur Simpson, Bay View; Vice-President, L. Mac-Donald, East Point; Secretary-Trans-urer, John Anderson, Kensington; di-rectors, Alex. Hamilton, New Parth; J. R. Edwards, North Wittshire; J. H. Monaghan, Hazlebrook; Rev. J. A. McDonald, Grand River.

Hand Cream Separators and **Gathered Cream Separators**

Ed. The Dairyman and Farm ing

ing World— I have read with much interest in the Fob. to issue of your valuable paper, the report of a discussion which took place in Quebec at the Bedford District Dairware's Associa-tion, where Mr. Geo. Barr stated that he deprecated the use of hand cream separators, and that they were likely to cause the Cowansville Section to lose its present high reputation and that Western Ontario builter had lost its good reputation from the use of these machines.

its good reputation from the use or these machines. Another Professional Dairyman, at one time, condemned the gathered cream creamery, because he claimed that the quality of butter made in creameries run on the gathered cream plan cannot be made good enough to command the highest price on the Pacifich market. English market. Now, if these gentlemen who oc-

Now, if these gendemen who oc-cupy such prominent positions in the dairy industry, would inquire into the management of the creameries, where poor flavored butter is made and try and find the cause of the trou-

where poor flavored butter is made and try and find the cause of the trou-ble and suggest remedies whereby the flavor of the butter would be im-proved, then they would be of more value to the butter industry and serve one croprofitably. To make statements that tend to rive an unfavorable impression of the quality of the butter made in Canadian creameries, is unwise. It is injurious to the value and reputa-tion of our creamery butter. It would be more business like to help the creameries where the inferior butter is made, and say nothing in public that would tend to destroy the good reputation of all the butter made in those creameries, thus causing a lower price to be paid to the patrons of all the creameries as they have to suffer the less.



cut down expenses. The chances are very much against making good, sweet, fresh butter that will keep well, where such a practice is in force. How can butter have a good flavor when made from cream that is kept so long, especially as we know that on some farms the milk room and other conditions for keeping, the cream sweet and fresh so long is not favor-able? I have seen this foolish "twice a week practice" carried on in large creameries, even in warm weather, in order that the butter be made cheap-by.

If our Professional Dairymen would advise managers of creameries to adopt the plan of gathering cream at the farm at least three times a week and have the patrons try to keep the cream sweet, we would hear the butter. A very fine quality of butter can be made, and has been made in creameries, where there has been more care taken to collect the cream often, and to give instructions to the patrons about handling it on the farm until called for. This, I claim, is the real cause of the trou-ble and complaints made against but-ter made in some gathered cream creameries. If our Professional Dairymen would creameries.

Our Professional Dairymen should Our Protessional Dairymen should be more cautious in their statements regarding the quality of butter made in gathered cream creameries. The farmers know their business and they farmers know their business and they are looking for some profit. I know of no other system of making butter on the co-operative plan that is profit-able to the farmers, except on the gathered cream plan. The cost and labor of gathering the cream three times a week is small, compared with hauling the whole milk to the cream-cries every day. The labor in the creamery is greatly reduced, and the cost of equipment and machinery is reduced as well.

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cost of equipment and machinery is reduced as well. The creamery men should advise their patrons, during the winter months, to store a quantity of ice for summer use, to cool the cream im-mediately alter it is separated on the farm. The warm, fresh cream should not be mixed with the cold cream of dooled. Then they should be mixed together. The cream can be kept covered and set in a cool place where the atmosphere is pure and dry. Damp musty cellars are not fit places in which to keep cream. The pat-rons should try to keep the cream sweet and not allow it to turn sour and thick before the collector calls for it. If there was more consider-ation given to the care of the cream at the farm and then have it collect-ed three times a week, we would hear less about bad flavored butter, and no complaints against hand cream separators.

Farmers know well enough their cream separators extract enough extra butter fat from the milk to pay the cost of manufacturing their butter the cost of manuacturing their buck at the creameries and pay handsome dividend on the cost price of their cream separators as well, besides having the skimmed milk fresh and warm to feed young stock at the prop-

(Continued on page 14)

Creamery Department department, to a matters relating to butter mak grest subjects for discussion. letters to the Creame

Conditions Which Influence the

Moisture Content in Butter

Address by L. A. Gibson, Inspector of Creameries at the Manitoba Dairy man's Convention.

The importance of incorporating the proper percentage of water in butter cannot be too strotwater in phasized; the success or failure of the cream may depend to a large es-tent on that one thing. The factors which influence the moisture content, are under the control of the butter maker, the thickness of the cream, the quantity of cream churned at once, churning temperature, the tem-perature of the wash water, and the amount and character of the work-ing. The importance of incorporating

amount and character of the won-ing. A thick cream containing 30 or 40 per cent fat will give you more moisture than a thin cream containing 30 per cent. fat, other conditions being equal. Butter churned from thick cream has a tendence for the granules to gather Butter churned from thick cream has centage of moisture in butter, hence a tendency for the granules to gather the necessity of closely watching the eview as much agitation, consequent-butter makers may have noticed that ly, they hold more moisture. If salt will not dissolve as readily when cream is churned at a very high ten-cream is churned at a very high ten-will come in a very short time. It will come in a very short time. It will come in a very short time. It will moisture and necessive amount will take about 17% per cent of its affect the body and color. An ex-cessive amount of water has a tenden-the more salt can be used.

Think What A

Telephone

cy to make the buts pale and life-less in color. Butter made irom thin cream and churned at a low temperature will gather very slowly, for the following reasons:--(i) The fat globules are distributed in a large volume of milk serum, and the chance of striking one another is less than perature hardness the fat so that the globules do not cohere readily; the surface of the granules become smooth and consequently will not hold as much moisture.

as much moisture. Aim to have your cream contain from 30 to 35 per cent fat, and placed in the churn at a tempera-ture that it will churn in granules the size of wheat in 30 minutes. In churn-ing, anything over 45 minutes is lost time, and anything under 30 minutes is not desirable. A churn two-thirds full of cream

A churn two-thirds full of cream will give you a greater over-run than a churn half full. Also you can in-corporate more moisture in your but-ter without injuring the quality from good flavored cream, other things being equal. The more butter is worked the less moisture it will re-tain; every turn of the worker expels moisture, therefore do not work your butter any more than enough to in-sure a uniform color. Cold wash water reduces the per-centage of moisture in butter, hence

centage of moisture in butter, hence the necessity of closely watching the temperature of the wash water. All

For the last year and a half, I have carefully studied the moisture problem, and also in studying the scores of butter in the different con-tests in Wisconsin, lowa, and Minne-sota; it would seem that the water content had no bad effect on the quality up to 10 per cent. Our best but for error any any more from 12 but for a to the state of the state of

to 16 per cent. I believe 145 per cent is a safe amount to carry, and at the same time turn out the finest quality of butter. I made a statement at the beginning that the importance of inbeginning that the importance of in-corporating the proper percentage of moisture cannot be too strongly em-phasized. Let me prove it.—Take a creamery turning out 800 bls, of but-ter daily. That butter maker incorpo-ating 10 per cent of moisture allow-ing 3 per cent salt and 1 per cent casein would give an over run of 16. That butter maker should be incor-porating 14% per cent. moisture, 4 per cent. salt and casein, which would give an overrun of 22. At the average selling price of

the average selling price of butter, 23 cents a pound would mean that the butter maker who was mean that the butter maker who was ircorporating to per cent moisture was losing about \$1.38 on every 100 pounds made, or \$11 daily. Provid-ed that creamery operated for six months with an average of 800 lbs. daily, the company would lose over \$1,700, and the butter would not be as good as the quality of the lutter containing 14% per cent moisture; hence the necessity of closely watch-ing the moisture. Every butter maker should test every churning for moisture;

every churning for moisture; with both the Gray and Irish tests. There is no excuse for the manufacture of an abnormally dry butter; or even u butter with too high a percentage of with moisture

Grading Cream

During the past season, we at Shellmouth have practised grading. The cream was delivered to the creamery by haulers. The cream was collected twice a week on four routes, creaniery by hauses. The determines collected twice a week on the four. In-dividual cars a sin the reram-the singhing and sampling is done by the buttermaker. We did not seek to impose an impossible standard. We did not insist that the cream-should be swell, for No. 1 grade. That would be well-nigh impossible. If it was mildly sour, of good flavor, and would run freely through a wire stainer, provided it tested 30 per cent. fai, it was No. 1. That is not a severe standard. Any farmer who has a good separator can produce 30 per cent. cream, and keep it from three to five days in condition, to grade No. 1, under the test I have mentioned. This insistence upon 30 per cent. t, under the test I have mentioned. This insistence upon 30 per cent, fat for No. 1 grade caused a good deal of criticism, and some dissatisfaction. It is hard on the average farmer to realize the importance of skimming a is hard on the average farmed lealize the importance of skimming heavier cream-over 30 per cent, thereby. During the past season is thereby. During the past season is the season of No. 3 grade testing over the season of No. 3 grade testing over the received 50 per cent. No. 1 grade Method of improving the testing over method of improving the cream testing testing. Such a card should have testing the season of the labor of turn-or and bill over the country are turning the machine of the season of the labor of turn-test of the card is mailed. The cards instead to the season of the labor of turn-test of the card is mailed. The cards instead to the season of the labor of turn-test of the card is mailed. The cards instead to the season of the labor of turn-test of the card is mailed. The cards instead to the card is mailed to any parts tention can be called to any parts form also a policid. A space can be for additional remarks, and the remo-ter makes and the parton to the patron knows how many pounds of cream he is credited with, and what of cream he is credited with, and what

his grade and test is, the better will he be satisfied.

These are a few first year experi ences in grading cream. It is per haps too soon to say whether the system is an entire success or not. We may lose a few patrons. If we do, they are known and the success of the source of th they are knockers, and the creamery is better without them. The result is is better without them. The result is on the whole encouraging. We are up against a great deal of helpless (almost hopeless) ignorance, on the part of many patrons. Grading cream is not a panacea for all the ills that cream is heir to. It is, how-ever, an advance step in an effort to make better butter and more of it, By its use, and by "patient conti-uance in well-doing," it will have its reward.—Mr. Geo. Matheson, in ad-dress to Manitoba dairymen.

Notes From St. Hyacinthe

Forty-two students attended the Forty-two students the com-January short course, which com-menced at the St. Hyacinthe Dairy School on January 7, and finished on the 31st. Two inspectors' certificates on the stat. Twiningetors certificates over a renowned size of the state of the state certificates issue and eight inspector certificates issue and eight inspector certificates issue that the state of the curing them the right to travel as instructors and inspectors for one year, after which, if they do their work to the satisfaction of the gen-eral inspector's diploma. There were 19 diplomas issued to butter or cheese makers, 33 certificates to expert milk testers, and 33 certific-cates of assiduity. The men who were successful in getting a permit to travel, each car-

The men who were successful in getting a permit to travel, each car-ried away three diplomas, one as a milk tester, (without which the in-spector's certificate is never given), and one as a maker of butter or cheese. Some went away with two, while others secured only one, of as-siduity. siduity

siduity. The February course opened on February 2, and concluded on the 20th. Forty-seven names were enroll-ed at this course, which is open to men of at least three years' experi-ence in factory work. There will be only maker's diplomas and milk test-cy's cortificates issued with eder's certificates issued, with, of course, a certificate of assiduity, which is given to all who follow the course from beginning to end, J. A. P.

Hand Cream Separators and Gathered Cream Creameries

Continued from Page 13

Continued from range is There have been sold within the last to years in Canada, from 75,-ooo to too, too hand cream separators. Farmets are buying them, and will buy them because they are profitable as well as necessary to save labor on the farm. the farm.

on the farm. The cause of bad flavor in cream-ery butter is not due to the use of hand cream separators. As I stand before, it is due chiefly to the cream being kept too long after it is separa-

NA 1 p.

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It would save your time-save you any amount of inconvenience and trouble, and facilitate busi-ness and social intercourse.

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It is desirable to mention the name of this publication when writing to advert



WALL TELEPHONE, MAGNETO TYPE

Cheese Department scussion. Maker's D

Certificates for Makers

Certificates for Makers At the meeting of the executive property of the executive property of the executive property of the executive the property of the executive property of the executive the property of the executive property of the executive the property of the property of the executive the property of the property of the executive the property of permits.

It is expected that the commune-will present its report at the next conventions of the Eastern and West-ern Ontario Dairymen's Association.

conventions of the Eastern and West-ern Ontario Dairymen's Association. If the conventions approve of the pro-posal, the Ontario Legislature will be asked next year to pass legislation making it compulsory on and after January 1, 1910, for cheese and butter makers in Ontario to bold certificate charge of factories. This is a forward step that has been advocated strongly, during the past two years, by The Canadian Dairyman. A little over a year ago The Canadian Dairyman published petition forms, praying for action along this line. These petitions were signed by over 350 cheese and butter makers. The petitions were present-ed at the annual conventions in 1007 of both the Eastern and Western On-tario Dairymen's Associations. Both conventions passed resolutions approv-ing of the legislation asked for in the petitions.

the rest of the heatman asked for in the petitions. The action of the executive of the Eastern Ontario Dairymen's Associa-tion is the most advanced and most important step the Associa-tion has taken since it started the agriation for the sanitary inspection of factories. The competition of im-properly trained and ineficient mak-ers has driven many of the best makes of not of the difficult makes the softered. The proposed legislation would protect the best makers from the competition of the incompetent men, it would ensure the manufacture of a better quality of cheese and of a better quality of cheese and butter and the patrons of the factories would reap the benefits of the high-er prices their cheese and butter could realize. Makers are invited to send us their views on this matter. S. realize.

Opportunity for Canadian Dairymen

A product that is made by the Ob-lat Fathers in the northern part of Japan, and which resembles freeh Holland cheese, made a ready sale among the better classes in Japan. The demand for this article far ex-ceeds the supply, says Commercial Agent W. T. R. Preston. There is a good opportunity here for Cana-dian dairymen to supply an 'active demand. and

The large or ordinary cheeses ary maker for now offered for sale at Japanese pio-depend vision stores throughout the large inspector centres, and in reply to inquiries, line. The deslers assured him that, with the just so

changed condition of the people, there is an ever increasing demand for this article of food.

The Canadian Dairyman and Farming World

Small Factories

Small Factories "One of the greatest hindrances to the cheese industry," said Mr. N. J. Kuneman, speaking recently at the Manitoba Dairymen's Convention, "is the number of small factories. Small factories mean cheapness all through the business, cheap neguipment. A fac-tory can be profitable only after a certain amount has heen made to defray expenses. Often we find a crease when another a sep up op close by. Consequently, neither will make a fair living. That is the time when the trouble begins. They will take in all kinds of milk to try to freese each other out, whereas it thery was only one good sized factory there would be better chance to get their was only one good sized factory there would be better chance to get their cheese made cheaper and of better quality. The larger the factories, the better and more uniform will be the quality of the cheese and it is easier ure improvements

Difficulties to be Overcome

First and foremost in the produc-tion of a first class cheese, is the raw material; we must have a better quality of milk, as all depends upon the flavor of the cheese for its tru-value. The milk producer must make improvements in the quality of our dairy products is to be of the finest. dairy products is to be of the linest. A poor flavor is always to be traced back to the patrons of factories. Al-though people often send very inferior quality of milk to the factories, they expect the maker to turn out a first class cheese. If the maker is foolish enough to accept such milk he is blamed for everything.

blamed for everything. Second to flavor comes the texture, for which we can hold the producer responsible to a greater extent, es-pecially if his milk is over ripe. This over ripening is due to the faulty method of sering and handling of responsible alone, however. The maker comes into the game. We cannot hone for any great improve maker comes into the game. We cannot hope for any great improv-ment until we have makers who have the backbone to return bad flavored over ripe, or any milk that is not suitable to make the most and the best article out d. Many makers have not the courage to return bad milk. Some will not for fear of vexing their ind go to a neighboring factory that is writing with open arms to receive them.



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nothing. If the makers will not back the inspector and carry out his in-structions, no good will be accom-plished.—N. J. Kuneman, cheese facory instructor, in an adress to Manitoba dairymen.

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Prosecutors will be Appointed

The executive of the Dairymen's As-The excentive of the Dairymen's As-sociation of Eastern Ontario, met et the Parliment Buildings, Toronto, en February 27, and consulted with Mr. G. A. Putnam, Director of Dairy In-struction, regarding the work of the coming senson. It was decided by the Association, that they would furnism two men to deal will: the question of adulteration of milk. These men will adulteration of milk. These men will be past more or how of these men the past more or boy of the instructors has been devoted to this feature of the work, and as the Department is anxious that the in-structors and inspectors shall devote their whole time to parely instruction

meetings in the fall of 1908. The Eastern Section of the province is now divided into 16 districts, and it is the aim to hose a special meeting November or early is December. The Association expressed their gratifica-tion with the work done by the De-partment, in sending out instructors, and in furnishing literature to factory-men and producers. It is the inten-tion of the Department to furnish each factoryman with a full state-ment regarding the intentions of the Department in the matter of instruc-tion and inspection for the season of 1908. The cs-operation of the factorymen during the part season has been much appreciated, and we are practically assured of the con-tinuation of this os-operaton for the coming season. eetings in the fall of 1908. The

the past more or less of the time of tinuation of this co-operaton for the instructors has been devoted to Department is anxious that the in-their whole this with the instructors of far a possible, visit structors and inspectors shall devote their whole their withes by deciding and inspection work, the Association has met their withes by deciding to association, we have a solution of the based their whole the withes by deciding the Association highly approves -d promentures. The system adopted by the Western Association for the Eastern Association for the first time, last eason, and the results have been entirely satisfactory. It was decided by the Association for significant and the second the second the case of the most of milk, which is one of the most struction as to the care and handling of milk, which is one of the most standpoint.



Conquest of Rosehill Parish

Utilia hardly knew how the rest of the week passed. One even-ing they spent at the Hostle's, but she was too nervous and too anklous to appreciate Tom Hostle's evident attentions, while her indifference and unconscioumess only indifference and unconsciousnes deepened the growing interest.

Happily when Sunday came, it came with a glorious burst of sun-shine. Julia did her best with her father's old coat, but without a word to him of the importance of the pocaaj

casion. When the service was over, it was Mrs. Coster who vent forward to the pulpit steps to thank the Rev. Ad-dison Jordan for his "noble" and "elevating" discourse. She regretted that a much larger congregation might not have had the good fortune to hear such a "refined" service.

The afternoon brought Tom Hostle with a note from his father which

ran:--"Rev. and Dear Sir:--The parish committee instruct me to request you if your engagements permit it, to ex-tend your supply of our pulpit to co-ver two more Sundays, so few of our congregation having had the oppor-tunity of hearing you.-Jonathan Hoatle."

Julia was too agitated even to see the bearer or the note. As soon as he was gone, however, Julia hugged her father, and then had a good cry, hiding herself on the back of his neel

"Did not I tell you, my dear Julia, "Did not I say that I had a premoni-tion these good people would become my pariahioners? Will you not be happy as a queen in this most lovely spot?" Talls only achieved as action

spot?" But Julia only sebbed; an awful sense of her own wrongdoing came over her. "I don't know. I want to go to bed," and hurriedly stifting her tears with a handkerchief she hastily retired.

retired. The following Sunday, double the usual congregation appeared at the village church. Pcople meeting in the vestibule before service aggerly asked each other, "Were you here last Sunday? What, you haven't heard him yet? Well, he's. not like any supply we ever had in Kosehill before. He comes from away up in the Engsupply we ever had in Roschill beford. He comes from away up in the Eng-lish aristocracy. Perfect culture, you know, auch repose, such breeding. Why, it's an education to listen to him. Dr. Jordan is accustomed to the highest society. The Duchess of Earladale corresponds with him, the celebrated Lady Cinariote Cityedon became a Chistian through his indic-to preach before royalty. It is a dis-inction to our village to have such a celebrity."

A celebrity. Poor Julia, watching the people filling up the pews, experienced such conflicting emotions it was no wonder Tom Hostle thought her face the most wonderful study in dissolving views he had ever seen. She had planned a campaign and been successful. The decention she skillfully cracticed a campaign and been successful. The deception she skillfully practised on Mrs. Costor worked more effective-ly and far more rapidly than ahe in the least expected, but now the triumph was won, an awful sense of the sinfulness of her own conduct oppressed her heart. True, she had only given her farny a little play in relating to Mrs. Coster her father's past, but she had done it intention-ally, not accidentally, and had been led on to make exaggerations far be-yond her fart intentions.

faces, the well-filled church, such an faces, the well-filled church, such an unusual sight to the patient minister touched him to pathetic tenderness. But the degrading thought pierced her that ahe was not only shaming and solling her own soul, but the saintlike and holy spirit of her relov-ed father. ed father

ed father. That Sunday proved the most as-tonishing day in the life of the Rev. Addison Jorcan. In the morning he preached to a larger congregation than ever before in his life, and with more joy and emotion than he had ever before experienced. In the atter-noon, a call had been extended to him ever before experienced. In the after-noon, a call had been extended to him by the parish committee, with a ver-bal guarantee that it would be after-ward confirmed by the whole church.

And in the evening, his daughter, to whom he felt absolutely sure this offer would crem like baim to a trou-bled heart, his daughter Julia, with pale, determined face, had solemniy made him promise to decline the call

call. The news of the distinguished Dr. Jordan's refusal of the committee's offer of a settlement spread to all the distant ends of the scattered parish, and something like a sensation oc and something like a sensation oc-curred. The concluding Sunday saw the church really filled, the deacons and committee absolutely excited. The innocent centre of this sudden in-terest accepted it all with the simp-licity of a child. What sublime reac-countenance, as without restrict in the poured forth the secrets of his own scene faith. secure faith.

in vain, however. Julia insisted on returning to Boston and poverty. To her, nothing less than relinquish-ing the longed-for reward could atone for her own wrong doing Entreaties and beseechings were all for her own wrong doing. Still in the distress of her troubled heart, she not yet find peace, even thouh was about to face unknown years

she was about to face unknown years of drudgery as a penance. Her attempts to appear cheerful be-fore her father, broken by sudden un-controllable fits of passionate weep-ing in his wonder to extreme tender-nees, and that again added agony to Julia's zelf-roproaches. Her father, however, somewhat comforted himself with the delicate conviction that this was only a manifestation of woman's which the delicate conviction that this was only a manifestation of woman's inexplicable nature, and that doubt-less Julia's maidenly affections had been distrabel by tho undisguised at-tentions of handsome Tom Hostle.

Julia, as unconscious of her father thoughts as he of hers, was still brood-ing over her unconfessed shame, when a new turn was given to their effairs.

Mrs. Coster, the brewer's widow, Mrs. Coster, the brewer's widow, sent her carriage down to the hotel with a nice note to Dr. Jordan begg-ing him as a last mark of his kind-ness, to send her the titles of all his works, especially those "Orientals," works, especially those "Orientals," that she might order them of her bookseller to place upon her shelves in honor of one for whom she should always "cherish a lasting regard."

When Mr. Jordan referred this exwhich air, Jordan Peterled time ex-traordinary request to Julia, that im-pulsive girl returned in the carriage herself, and finding the widow alone threw herself at her feet and poured forth a full confession of the whole wicked deception.

At first Mrs. Costar was bewildered and shocked, but the more she thought of it the less important it seemed. In-deed, she soon began to enjoy the humorous aspect of the situation. any, not accountervity, and mad been lead on to make exagerations far be-why, you're a regular lithe witch,' Why, you're a regular lithe witch,' Why, you're a regular lithe witch,' A giove that sets well will usually ahe cried at last, a broad smile light-wear well, ar least will wear better To think than one of the same kind that does out out all to observe that the ser-low you're set the parish by the ears. Not fit well. When the ends of the series and more beautiful than any. I think of it. And yet, my dear, what when they are so long as to frim yern-thing ahe has heard before. The eager good has como of it: Your father is (kies upon the sides of the fingers,

a saint. His influence will give new life to are durch. Now you krust the rest of this affair to me. I'll settle with the parish. Go. You mustri think of it! You'vo just about wor-ried yourself sick. I shall send for your father and have you will alsy with me. Now don't object! Be good, my dear, and stay." And so Rev. Addison Jordan con-sented to withdraw his letter dedin-ing the call and he became after all the happy and most beloved pastor of the church. Julia recovered her good apirits and saint. His influence will give new

Julia recovered her good spirits and as she had at first conquered the par-ish by deception, she now won it all over again by a conquest of love.

The Woman at Home

To clean baby's bottles, put the nipples in a pan of cold water; set pan on the stove and let the water come to a boil. Boil two or three min-Come to a boil. Boil two of three min-utes, then wash in cold water. Put one teaspoonfulof soda in each bottle; fill bottles with boiling water: let stand until cold enough to handle. Shake well and rinse in clear, cold

No woman can look her best unless No woman can look her best unless her hair, skin and hands are properly cared for, and to accomplish this the best of combs and brushes, etc., are required. In addition to good quality in these tolicat articles, they must be kopt in the best condition or the re-brush should be cleaned—that is, washed—once a week in hot water and ammonia. and ammonia.

and ammonia. Limewater is not only frequently prescribed for young babies, but is also often given to older children, the addition of a small quantity to hot or cold milk rendering it lighter and more digestible. The only drawback to its use is the fact that, to be efficato its use is the fact that, to be effica-cions, the linewater must be fresh, and for this reason only a small amount should be prepared at a time. Lace berthas, fichus, and capelike collars, are abundantly worn, but with the addition of a fold of velvet or ribboa around the neck and down the the change effected by the domning of one of these pretty additions to the waist. They are a garment in themselves. themselves.

Care of Kid Gloves

It is not generally known, or does not appear to be known, even by those who wear kid gloves almost exclu-sively, that the durability and set of these articles, depend very much upon how they are put on the first time. Two pairs may be taken from one box, of exactly the same cut and I wo pairs may be taken from one box, of exactly the same cut and quality, and by giving different treat-ment, when first puting hands into them, one pair will be made to set much better, and to wear doubly, or nearly that length of time, longer than the other When purchasing gloves, people are usually in too much of a hourse Neose allow a stretch. of a hurry. Never allow a stretch-er to be used, for the gloves will not be likely to fit so well for it. All of the expansion should be made by hands.

the hands. If the gloves are so small as to re-quire the aid of a stretcher, they should not be purchased, as they will prove too small for durability, com-tor to beauty. When selecting gloves choose those with fingers to corres-pond with your own in length; take time to put them on working in the time to put them on, working in the fingers first, until ends meet ends; then put in the thumb, and smooth them down until they are made to fit nicely

they will chafe out easily. When the stretcher has to be used to make the stretcher has to be used to make the fingers large enough, the body part will be so small as to cramp the hand so that it cannot be shut with-out bursting the seams of the gloves.

Unfinished

At Uncle Jack's they had a lot Of little things to pet, But everything was sent so quick, It wasn't finished yet.

The Puppies tumbled all around, And couldn't hardly go, And when we found the little chicks Not one of them could crow.



Baby Willie and What He thought about Things at the Farm

The bossy hadn't any horns; The kittens couldn't see, They didn't finish anything, The way it ought to be.

Not even the little baby girl They sent to Auntie Ruth; For Grandma said she truly Didn't have a single tooth.



March 11, 1908

Sewing Room Helps

Sewing Room Helps (A combination like the following strain of the the following and the same of different colors, and fastened to a substantial beli of ribbon. The acefle book may con-tacted to a piece of narrow ribbon, and fastened to a substantial beli of ribbon. The acefle book may con-tacted to a piece of narrow ribbon, and fastened to a substantial beli of ribbon. The acefle book may con-tacted to a piece of narrow ribbon, and fastened to a substantial beli of ribbon. The acefle book may con-tacted to a substantial beli of ribbon. The acefle book may con-tacted to a substantial beli of the same of different colors, and fastened to a substantial beli of substantial beli the strain and book and contacted to the indown place is large. Out may be used so skirs. The middle of the back, and others about due to the back and the patch ar-aragements I have tried for tension. Three hooks on the bands off, see flame for the drawers grow short for hins better the expensive, as he grows for shirt, I insert in each a strip the drawer strong when the sleeves of the shirt. I mart in each a strip the drawers grow short for hand in a woolen garment, the arear and three winters.—H.F.G. When the mend a woolen garment, the act arear of the same good here at the strip and ravel one thread at the the back and ravel one thread at the strip and ravel one thread at the s

are signify worn, they make good showed. chen towels. Cut lengthwise, and hem them, or overcast the sides. One sack will make two towels. They can be bleached until white, and are easily washed.—Lottie Robbins, Nova

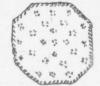
can be bleached until white, and are easily washed. -Lottic Robbins, Nova Scotia. When * Jole is discovered in a state dist way to mend it, is to baste a patch on the wrong side. It does not show, and will stay on the waist until it is solled, it then can bunched this solled, it then can bunched this solled, it then can bunched this soll. Make the patch of stuff like the will stay on the waist until it is solled, it then can bunched this soll. When doing a lot of sewing. When through the work, gather the rug up and shake it out of the window or door. This saves sweeping. --ther work work gather the rug up and shake it out of the window or door. This saves sweeping. --to the base are not too large, i sew them on the machine. The part, besides it is much neater and stronger than darning would be, and stronger than darning would be. Save all the trimmings row the un-

Liguor Habit

even ends of new table linen when hemming same. Nothing else darns the thin places, or a cut in a table-cloth so nicely. It shows much less, than when darned with cotton.

A Lap Shield is Useful

For this attractive lap shield take For this attractive lap shield take two squares of heavy cheese cloth, (each from two feet to three feet square), between them place a dvuble layer of nice cotton batten and baste them together through and through. Cut off a small triangular piece at each corner turn in the edges of both covers and run them together neatly.



The with dcuble Zephr-blue, or any pretty washable color. Go all around the deges with long and over stitches, taken regularly, and finish by taoking the shield all over with bright fluffy knots, just as a comfor-ter is tacked, using the wool double in the needle and leaving the ends an inch long. A set of shields, each tied with a different color, would be highly valued in any nursery. Daily shields are tied with yellow, and rose shields with pink. shields with pink.

To Fold a Coat

There are few women who have mastered the art of folding a man's coat, yet it is simple when one once knows how. Lay the coat out per-fectly flat and with the right side up. Spread the sleeves out smoothly, then fold them back at the elbow until the bottoms of the sleeves are even with the collar. Fold the revers back and double the coat over the centre back seam. Smooth all wrinkles out and lay in the drawer

Extra Ruffles and Touches

The large department stores show some very pretty additions to the lingerie, many of which one can make at home very easily. A silk or linen lawn ruffle, which is worn across the top of the corset at the bast line, is made of any dainty color, or white, pris maby the lift, are punced, and it is then pleated so closely in large box pleats. as to form a ruching. The large department stores show

is then pleated so closely in large box pleats, as to form a ruching. Nearly every one nowadays wears unlined shir waists made of silk and wool and this ruching holds the waist out pretily at the bust line, without the use of pads. The underwear counters in the large stores show a kind of corset cover, which goes on over the head, and which is one mass of across hori-rontally. When starched, these ruf-fles fill out the blouse in graceful lines and curves. One could make and apply the ruffles to any full front corset cover, allowing special fullness in the middle where the ordinary cov-er_buttos.

Save all the trimmings from the un- **Tobacco Habit** Dr. McTaggert' Tobaco Remedy renorm all make and all of them go to im-prove the effect- of one's gown. It is her wery little touches that make or mar one's appearance, and when these are just right, one feels "well dress-with it ecoasionally. "Prior \$2.00."

Two Good Books

iquor Habit willow realits from taking his remely for that is a final entry price of canaries can not do better than to send us so cents for our book, useful and practical information on a final final means, and a curve out the useful and practical information on the out of the final entry of the set of the set of the the out of the final entry of the set of the set of the set of the the set of the the set of the the set of t



tion contained in the above book will be worth many times its cost to any ner raising or keeping canaries. Every farm home should have a window garden. Send us 50 cents for a copy of "The Window Flower Gar-den." by J. J. Heinrich. The author is a welk known practical florist, and his experiences as given in this little book, embody everything in amateur window gardening.

Our Winter Fun Contest

Our Winter Fun Contest A large number cf interesting and newsy letters have been received from our boy and girl readers in reply to the contest which was opened in the Feb. 36th issue. Those who lave not yet sent us a letter are urged to do so as soon a possible. This contest will close with our March 35th issue. All letters should be in not leter than Merch 30. Let us have all big brothers and sisters have with the emersa for perhaps your letter would yrin a prize if it had a nice pholo-graph sent with 15.



Six Ayrshire Bulls, 16 to 30 months old, welve Ayrshire Bull Calves, 2 to 6 months, emale Ayrshires all ages, one Exmoor pony tallion. Prices reasonable. Apply to

17

D. BODDEN, Manager HON. W. OWENS, PROPRIETOR Riversido Farm, Monte Belle Que.

\$15 Women's Suits \$6.50 Tailored to order. Suits to \$18. Send for ree cloth samples and fall style book. -SOUTHCOTT SUIT CO., Londoa, Ont

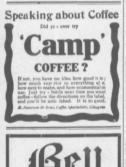




18

You cannot possibly have a better Cocoa than A delicious drink and a sustaining Fragrant, nutritious and ical. This excellent Cocoa food. economical. maintains the system in robust health, and enables it to resist winter's extreme cold.

fold by Grocers and Storekeepers in 1-lb. and 1-lb Tins.





Before House Cleaning

To make house-cleaning easy, I find a great deal depends on what you do before that time. I plan in March, or as soon thereafter as possi-belongings in this line are looked over to see what is needed. Then I buy what muslin, bleached or un-bleached, is wanted, stockings, hand-kerchiefs, etc. I cut up all old white cloth, and the old rowels and napkins that are past service are also made into rolls. When house-cleaning that are past service are also made into rolls. When house-cleaning covers on my sofa pillows I make them but do not put them on until my rooms are all cleaned. If any chairs need new covers, or windows new curtains, I also attend to them. Later on, as soon as a room is clean-ed, you have your material right at To make house-cleaning easy, I

Later on, as soon as a room is clean-ed, you have your material right at hand to freshen the furnishings. Don't forgret the bedding. If any-thing needs washing, that should be done first: if any part is worn, re-pair; if the binding or liming is worn, put on new; if the ribbon on the flannel blanket is worn, rip it off and bind with light-colored chambray or gingham cut on the bias. Pick up all odds and ends of cloth you don't want to piece, give to some old lady that enjoys that kind of work, or tear them into rags for hit and miss rugs or a carpet.

work, or tear them into rags for hit and miss rugs or a carpet. I look over all under-skirts and aft-er putting them in good order, 1 examine all the home dresses. Per-haps some are hardly worth mend-ing, but if they are good enough for house-cleaning, repair them, and they will save your good ones. After the home dresses are made good, don't fail to have a good supply of long wide-work arons. Look over the don't fail to have a good supply of long wide-work aprons. Look over the best of your wardrobe, but don't at-tempt to work at those until after cleaning is done. You will now have plenty of time to think and plan what you will need to do, or, if you hire it done, engage some one now to do it. Then all closets, draw-ers and boxes should be thoroughly cleaned and straightened. When shouning. I try to think of

cleaned and straightened. When shopping, I try to think of the things I will need at house-clean-ing time-tacks, paper for pantry shelves, new brooms, cans of paint for chairs and floors, not forgetting porch floors, paint brushes, stains for floor or furniture, etc. By this time I feel as though I was ready and wanted to begin. I take one room at a time, setting apart one clear day to hang out clothing, and another day for cleaning and airing all bedding. all bedding.

Home Paper Hanging

Home Paper Hanging First, in selecting the paper, select a pattern that will match easily and that can be cut without much waste. This rule may be layed down, that large figures should be avoided in on the north side of a house, may be brightened by using a warmer tone of paper, than in a room with a sun-y exposure. A soft shade of yellow or deep cream is desirable to see day after day, and has the advantage of harmonizing well with nearly all colors of carpets, curunins, etc. Pales sage green or cold blue may be used the house, may be used to harmonizing well with nearly all colors of carpets, curunins, etc. Pales sage green or cold blue may be used the bright sunlight streams the great-reases the apparent height of the norm. Never choose a pattern with wavelike lines, or one with a de-of sickness the invalid will almost in-voluntarily court the spots or follow the wriggling lines on the paper, a bright one color is one color is stafful to the eyer.

paper as you can get off, then satur-ate what still sticks to the wall, with warm water; let it stand a half-hour then saturate it again, and the paper can be easily scraped off with a knife blade. Remove all nails and fill the holes with putty or else a paste made of plaster-Paris and cold water. White-washed walls should be washed with water and strong vin-egar. Use one quart of strong acid-vinegar to two of water, apply the solution well around the caseings, baseboards and corners. As the nexte is to be used cold.

as the parts is no be used cold, it would be best to make it the day before using. To every quart of well sifted flour, add a teaspoon of pow-dered alum, mix smooth with cold water, and pour in boiling water, stirring rapidly, till the paste is of the consistency of thick cream. Re-move it from the stove as soon as it comes to a boiling point; strain it through a flour size or colander. not all pass out from under the paper and as the paper is drying it will cack wherever there is an air bub-ble. Pour in a little cold water on top of the paste to prevent a skum from forming.

top of the paste to prevent a skum from forming. Do not undertake to paper a room without a helper. If you have no as-sistant change off work with a neigh-bor. A smooth board, the exact length and width of the paper will facilitate the work of spreading the paste. If you have nothing better, an extension "the will a windth men'n with the you have nothing better, an extension table will do nicely. Begin with the ceiling. Measure it the shortest way of the room, ascertain how many strips will be required and cut and match them before spreading the paste. Cut the strips fully two inches lower that the measurement of the paste. Cut the strips tuny two inches longer than the measurement of the ceiling. This extra amount is to al-low the paper to lap down an inch upon the walls at both sides, which is necessary to insure a neat finish when the border is put on.

is necessary to insure a neat finish when the border is put o. Now draw a guiding line across the ceiling with a lead pencil as wide as the paper. Use a clean whitewash brush to spread the paste. If the paste is too thick to spread well, thin it out with cold water. Spread it evenly, being careful not to leave any dry spots of paper. Turn up two or three feet of the paint the state state of the part of the paste of the state of the part of the paste disk together; with your helper's aid, lift the paper to the ceiling, and when you have it match-ed press the edges of the paper on the wall, then let the helper turn back the folded end, and when it is all nicely matched, brush the rest of the paper to place with a clean whick broom. If wrinkles apper, gently pull the paper losse, remove the wrin-kles, and press the paper in place d with a yin to allow af the paper are lapped from the light they will be leas noticeable. To hang the paper on the side walls, follow the instructions as given

be less noticeable. To hang the paper on the side walls, follow the instructions as given for the celling. Cut the strips long enough to extend down on the base-board about an inch when the paper is applied. Press it down on the baseboard. Then lossen it and cut off the paper below the mark made by the baseboard, and press they may to pace again. The base how may how the base base base base base board. board

Helpful Hints

March 11, 1908

in a strong solution of borax, and all the brightness will return. Sometimes, after cleaning a spot off a garment with gasoline, an ob-jectionable ring is left to show where the stain was removed. To obvjate

jectionable ring is left to show where the stain was removed. To obvjate this ring, lay over the place, a piece of clean white tissue paper, and press with a hot iron. This removes all traces of the stain. For not too severe burns, nothing is better to apply than moistened tea leaves. They relieve the inflam-mation and prevent a sear. (To be used only when burns are serious.— Editor).

Improvements for the Kitchen

Improvements for the Kitchen
They housewife will agree that the kitchen is the most important for the first requirement of any product kitchen. Light comes a does second, and next in turn, and alter the will be the kitchen, the dot and the kitchen, and the dot and the kitchen, the dot and the d

THE KITCHEN STOVE.

THE KITCHEN STOVE. No matter what kind of stove or range is used, let it be the best, or as good as you can afford. This is true economy. Near the range, should stand the oil burner, if you are fortunate enough to possess one, mounted on a table the height of the range, or placed upon a folding fastened out of the way, if desired. Keep the stoves clean above all. They are easy to keep clean if attended to daily. The task is then not an objectionable one, and takes but a few minutes of time.

LAUNDRY ARRANGEMENTS.

When the kitchen is also used as the laundry, if stationary tubs can be had, let them be placed next to the sink. They should have a good strong cover to form a table, when not in use. One of the needs of the ordinary farm house is a suitable and convenient place for the farm hands to wash as they come in from the fitted up as a large event, provide should be made in it, for the men, by adding a large sink and bench for their use. When the kitchen is also used as

THE KITCHEN SINK.

coils

THE KITCHEN SINK. The kitchen sink should be of cast iron, enameled or peinted if possible. Have it good and greferous in size, with as high a back as possible to protect the wall from the water which is certain to splash. At one end should be a long draining shelf, which should be well grooved and inclined slightly towards the sink. Both tubs and sink should be well trapped.

creases the apparent height of the room. Never choose a pattern with a device the lines, or one with a device the invalid will almost involuntarily count the spots or follow of sickness the invalid will almost involuntarily count the spots or follow of sickness the invalid will almost involuntarily count the spots or follow of sickness the remark and laying the cloth on it, fold both over and over to the wrigging lines on the paper.
 TO PREPARE THE WALLS.
 If their are more than two layers of paper on the walls they should be treated in a state of the order of paper on the walls they should be treated in the sinke, boilt it for a short time of the sinke should be well the spots. Ly event the contract of the spots of the spots of the spots of the spots. Ly event the inside, boil it for a short time of the spots. Ly event the spots of the spots of the spots of the spots of the spots. Ly event the spots of the spots of the spots of the spots. Ly event the spots of the spots of the spots. Ly event the spots of the spots of the spots of the spots of the spots. Ly event the spots of the spots of the spots of the spots. Ly event the spots of the spots of the spots of the spots. Ly event the spots of the spots of the spots of the spots of the spots. Ly event the spots of the spots. Ly event the spots of the spots. Ly event the spots of the spots

THE COOKS' CORNER some special recipes on breast and breast making. Readers are recycated to send in any particular recipes they may have on breast making, either wheat, breast, on breast making, either wheat, breast reliable recipes will be accepted. If you have a bread-mixing machine, kindly tell us about that at the same line. Address all letters to The House-hold Rolling. Canadian Dairyman and Farming World, Federboro, dut.

BREAKFAST BISCUITS

BREAKFAST BISCUITS One qt. four sitted twice with 2 rounding teaspoons of baking pow-der and % a teaspoon of sait. Rub in well 1 large tablespoon of lard and add enough cool water to make a dough just stiff enough to be handled. Sprinkle the bake board well with lightly, cut into small biscuits and flour, roll the dough quickly and bake in a quick over. A DOAST DISM

A TOAST DISH

A TOABT DIGH Three hard boiled eggs, a table-spoon each of butter and fiour, i cup sweet milk, by a teaspoon sait and a little black pepper, 5 slices of toast. Make a thin sauce with butter, flour, milk and seasonings. Separate the yolks from the whites of eggs. Chop the whites finely and add them to the sauce. Cut the slices of toast in two, arrange them on a plat-force the yolks through a pointo ricer or strainer and sprinkle them over the top of the sauce. Garnish with parsley. This is a delicious dish.

SCALLOPED POTATOES

BCALLOPED POTATOES Pare and slice raw potatoes. Put a layer in a buttered baking dish and sprinkle with salt, pepper and flour and a tablespoon of butter broken in little picces. Repeat on each layer and finally add hot milk till it may be seen through the top layer. Bake for 1% hours until the potatoes are well conked well cooked.

SPLIT PEA SOUP

.SPLIT PEA SOUP Put to soak over night in 2 quarts of water. ½ pt. of split peas. Add in the morning a couple of slices of salt pork and let it boil slowly without burning until thoroughly cooked. Then press through a col-der with a woodwe snoon. Add ander with a wooden spoon. Add pepper and salt to taste, and, if liked, ½ cup of tomato juice. Serve toast with the soup.

AN INEXPENSIVE CAKE

An inexpensive fruit cake is made with ½ cup of butter, 2 cups of

PLAIN TALK FROM THE DOCTOR

A prominent physician, famous for his success in the treatment of kid-ney and bladder troubles, stated that to the following prescription is due a great deal of his success : One ounce fluid extract dands

lion ;

1.1

One ounce compound salatone ; Four ounces compound syrup sarsaparilla.

Four ounces compound ayrup screaperills. Mits and take a teaspoonful after plenty of ware. This mixture will, he asys, posi-tively cure and start these organs to cleanse the blood of the poisonne waste matter and acids which if allowed to remain, cause lumbago, waste matter and acids which if allowed to remain, cause lumbago, out of the asset these organs to dense the blood of the poisonne waste matter and acids which if allowed to remain, cause lumbago, not at the asset time will readout kidneys to bealthy normal acidon. The ingrelients, which are purely vegetable and entirely barriles, can be procured from any good rungits and mixed at home at very little cost. This advice will undoubtedly be much apprecisited by many readers.

The Canadian Dairyman and Farming World

sugar, 6 cups of flour, 4 eggs, 1 teaspon soda (or 2 of baking pow-der and i cup of sweet milk), 15 lb of currants, 15klb of raisins, 5 lb. cathy peel, 2 nutmegs, i teaspon cathy and a sugar, i teaspon of cloves, our cinnanom, i ea-spon of cloves, our cinnanom, i ea-spon of cloves, our cinnanom, i ea-spon ad lagra, i and Frist cream butter and sugar, i and add eggs and milk. Bake in two cake tins. cake tins

A CHEAP STEW

A CHEAP STEW The following is a recipe for a cheap stew that is savoury and ap-petizing. Cut ablo of the scrag end of a neck of mution or veal into neat pieces, place them in a stewpan, and cover with boiling water. Add i carrot, i onion, i turing, slited, and a seasoning of pepper and salt; let the stew boil up; then remove by for sum, and simmer the stew slow by forement to add a few suet dump-ings. ROCK CAKES

ROCK CAKES

ROCK CAKES To make lunch or rock cakes take Mb flour, Mb butter, Mb raisine, 3 tablespoons of sugar, 2 teaspoons baking powder sprinkled in, 2 ozs. peel, M teaspoon each ginger, cinna-mon, or nutmeg, rind of half lemon, grated, a eggs and 3 (cup of milk. All ingredients must be in before signs are added. Then beat eggs till added. Then beat eggs till before the same take as little mixture and little beat. Tom is to zo minutes.

BEEF LOAF

BEEF LOAF This is one of the most delicious "made" dishes that can be concorted from the remains of a roast, and can itself be transformed into Hamburger steak by slicing and frying in but-ter, or into hash by chopping with cold boiled potates. Take about 1b of the ragged and broken parts of the cold roast and put through a meat chopper, together with some cel-ery and onion. Add 1 curful of fine ery and onion. Add 1 curful of fine meat chopper, together with some cel-ery and onion. Add 1 cupful of fine crumbs, 35 gill of milk, or lemon juice and water, 56 gill of stock or gravy, 2 well-braten eggs, a table-spoond or gravy, 16 stock and a do tional seasoning, if necessary. Mix all thoroughly with a big spoon in a deep bowl until smooth and hight, then turn into a warmed, greased be then turn into a warmed, greased pudding mould and bake in a medium oven one hour or a little more. Serve sliced thin, either hot or cold, with tomato sauce, horse-radish or other appetizer

What Women Can Do

What Women Can Do It is unfortunate that every wo-man in Canada could not have heard the very able and interesting address on The Home, delivered by C. C. James, Deputy Minister of Agricul-men's Institutes at Guejoh. Had ve-the space at our disposal we could not do better than to give our readers this address in full. As we are unable to do this, a few of the shorter and more pointed remarks have been gleaned from the address, and are here giv-en for the benefit of those who were unable to heard Mr. James. The women of Canada are its true relates and the improvement of this sountry, and its uplifting will come more surely through the improvement of the protect the reseatest hone av

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enthusiastic, patient, generous and interere. Give anyone these and near times tails into second place. You neare of such a hoy ary of the life career of such a hoy ary of the life habits the thoughts, and the motives of the young men and women, also, that the greatest mass of the peo-ple shall move along right lines, and readyally obliterate from the daily detestable things, those terrible and readyally obliterate from the daily detestable things, those terrible and readyally obliterate from the first the years of childhood, have our pays and grints trained in the essential elements of a true home, we could send them out to any school, or to any collego, or into any line of business appren-ticable, without any anxiety what ever as to their development.

Ironing Day Suggestions

Ironing Day Suggestions Make the ironing board with a fold-ing leg and with a hook at one end, so how with a hook at may be easily to-with the source of the hook at the the hook at the hook at the hook at how with how how at the hook at how the hook at the hook at the how at the hook at the hook at at hook at hook at hook at the hook at hook at hook at hook at hook at the hook at hook at hook at hook at hook at the hook at hook a

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Banking for Farmers' Wives

Our women readers and their friends are asked to avail themselves of the privilegs of the Rest Room and the Retiring Room at the Crown Bank, in Toronto, whenever they may be in the city. These two rooms have been especially fitted with every con-venience and luxury, in order to make a pleasant and quiet place in which to spend a few minutes when in town. In connection with the Rest Room is a private apartment for women's banking (separate entirely from the is a private apartment for women's banking (separate entirely from the rest of the bank), where they may do their banking, and secure any infor-mation regarding financial matters they desire. Attractive pocket banks may be obtained for 50 cents, and a savings account opened, on which they desire that the of interest is al-

In the Sewing Room

10

MEN'S NIGHT SHIRT. 34 to 44 breast.

34 to 44 breast. Here is a simple yet satisfa.ory night ahirt that is made with a com-fortable roll over collar and the patch pocket that is always so essential to masculine paces of mind. It can be finished with any little banding that The quantity of material required to the sentence of material required

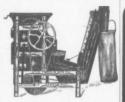
The quantity of material required for the medium size is 6½ pards 27 or 4½ pards 36 inches wide. The pattern 5885 is cut in sizes for a 34, 36, 38, 40, 42 and 44 inch breast measure and will be mailed to any address on receipt of 10 cents.



SEVEN GORED SKIRT. 20 to 30 waist.

20 to 30 waist. The skirt inta is laid in plaits at the seams is the one that is quite sure to give graceful lines to the, figure. The skirt is made in seven-gores and is laid in two plaits at each seam and in inverted plaits at the centre back. The quantity of material required for the medium size is 5% yards 3%5% yards 44 or 5% inches wide if material 44 or 5% inches wide if 77, 4% yards 44 or 5% inches wide if 77, 4% yards 44 or 5% inches wide if material has figure or nap. The pattern 584 is cut in sizes for a 22, 24, 26, 28 and 30 inch waist measure and will be mailed to any address on receipt of 10 cents.





20

Perfection Seed and Grain Cleaner

The greatest improvement on the farmin ill in 50 years. Cleans and grades all kine i seed and grain and does the work of the rming mill as well.

Will pay every farmer to have one for his This machine won the Diploma-the highest ward-at Toronto, London and Ottawa Fairs

Get them from your dealer and take no "jus as good." or write direct for catalogue at. further information to

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Experience has proved that all good land in the Canadian West, located in a good district, and within 20 miles of a railway station, or nearer, is worth at least \$25 per acre for Home-making. 160 acres of such land will return annually in net receipts as much as 100 acres similarly situated in Ontario, which sells for \$4,000 to \$8,000.

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Union Trust Company, Limited 174 Bay Street - - - - Toronto, Ontario

MARKET REVIEW AND FORECAST

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March 11, 1908

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The Canadian Dairyman and Farming World

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THE BEEF CATTLE TRADE

THE BEEF CATTLE TRADE In connection with the arbitation in Great Britain for the removal of the em-bargo against Canadian cattle, some rather gratiling arguments have been resource. Nr. B. McGoundie, a har-ing breeder of the country, stated that there wis a deterioration in the qual-proposed (1) That Government assistance about he given in the purchase and apread of pure bort bulls: (2) The en-bord source of the country or (3) The opening of British ports to Ganadian of the port of the country of (3) The country of British ports to Ganadian of the country of the country of (3) The country of British ports to Ganadian

PETERBORD FARMERS' MARKET. Peterboro, March 7.-The receptors of buil-ter and eggs were again large. The lat-ter and eggs were again large. The lat-receptor of the later of the later of the later again again and the later of the later of the later again again and the solution of the later of the later again again again again again and the of the applicable solution and the later of the again again again again and the later again again again again and the later again again again again and the later again agai

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BESP-Hindquarters, 7 to 7/20 a to; 1070 5% to 60. PORK-Hind quarters, 9c a lb.; fore, 8c; whole hogs, from 106 to 125 lbs., 86.59 each; weighing from 125 to 175 lbs., 87.59



21

THE Directors of the above Company have not spared anything in the building of this new Horse Exchange. The stables which are built of cement and brick, will stall between 200 and 300 head of horses, and are considered by judges who have seen them, to be the most sanitary they have yet seen. ¶ We have sold on an average of 100 horses per week since the opening of this great Horse Market, and now that the success of the Horse business is assured, we are in a position to handle

Breeders' Stock Sales

of all kinds, Cattle, Sheep and Hogs. Breeders will find that advertising from a central place like Toronto will be advantageaus in many ways, as this is unquestion-ably the most complete market of its kind in America for both buyer and seller. We have our own Railway Chutes, which are the finest, and can load any number of cars at once on both G. T. R. and C. P. R. No charge for loading or unbadding tools for the kind. for loading or unloading stock of any kind.

Correspondence Solicited as to Terms, etc.

AUCTION SALE

HERBERT SMITH, Manager (Late Grand's Repository)

Shorthorns, Clydesdales, Cotswolds and Shropshires nder the auspices of The Myrtle Sales Association, will be held at MYRTLE STATION, THURSDAY, MARCH 19TH, 1908

Consisting of: 10 Shorthorn Bulls, 10 Shorthorn Cows and Heifers, 40 Registered Cotawold and Shropshire Ewes and Ewe Lambs, and a few choice stock rams, also several Cividedia Stallions and Marse.

Terms and Conditions-Cash, unless other arrangements are made with the Associ-on previous to the commencement of the sale.

JOHN BRIGHT, Manager, Myrtle, Ont.



THE J. A. MCLEAN PRODUCE CO. LIMITED Exporters and Wholesale Dealers Butter, Eggs and Cheese

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iots weighed off cars, with a fair demand from the packers and dealers. Dressed Hogs

Dressed hogs are steady and there is a fair trade passing at current rates. Freeh killed abbatoir stock is quoted at \$7.25 to \$8.25 a 100 lbs., and country dressed at \$7.25 to \$7.50 a 100 lbs.

TORONTO HOG PRICES

The Wm. Davies Company, Toronto, guote the following prices for live hoge: Western cattle market, fed and watered: and \$5.20 a cwt., weighed off cars the fol-icwing morning at their siding. They re-port deliveries as light and that they have time, nonning during the week at half

PETERBORO HOG MARKET

PETERBORO HOG MARKET Deterboro, March 7-The slump in the market is still being foit and deliveries of hogs are fairly large. The immense guantity of Danish and American. hors being shipped to Great Britain affects the sport market considerably. The flee. Matthews Co., Peterboro, quote the following prices: Loh. country points, 44.75 a ort., delivered, 45.15.

MONTREAL EXPORT BUTTER AND CHEESE TRADE

MONTRECCHERCE IT ROCE Mostreal Monder, March 9, -The stood of cheese in store in Montreal continues to dribble out and there was a fairly beary more ment has week, cooldership week or two should ace us down to prac-tically hare boards. The store of the store the store of the month indicate a stead's reduction from the previous month, the summenting to about 1500 boxes. The quantity here as estimated a week are summer to about 1500 boxes, and there to advect of new goods to take and exceed on the bears of the advection exceed quantity of cheese available before the advect of new goods to take another exceed quantity. And there is every indi-cution of there being a works and there are quantity and the store of the store to advect of the bears of the store to a store of the store of the store to advect of the store of the store to advect of the store of the store to advect of the store of the store the store of the store of the store to a store of the store of the store of the store the store of the store of the store of the store the store of the store of the store of the store of the store the store of the store

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The sectors Butter. The butter market is strong owing to the great searchy of the article. The stock of all node held free is theirs rankfully need to a held here is theirs are allow the strong of the strong of the strong of the need of the strong of the strong of the put up almost daily. The course of pri-cess reserved a temporary schedule with en node the strong of the s

COUNTRY NOTES AND PRICES

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HASTINGS COUNTY HASTINGS COUNTY Bidney Crossing—There is four or fire fet of more on the ground and f has be in good condition. The weather is moderative yoid. The roads are hadly used to the second and hadly have possible of the second and hadly have possible of the second hadly have the possible of the second hadly hadly hadly had had the second hadly hadly hadly hadly had be to be a hadly possible of the second possible of the hadly hadly hadly hadly hadly hadly had to be the hadly hadly hadly hadly hadly hadly the to be mainten, be to be to be to be the to be marked hadly hadly hadly hadly hadly had to be the hadly hadly hadly hadly hadly hadly had to be the hadly hadly hadly hadly hadly hadly to be the hadly hadly hadly hadly hadly hadly hadly had to be a hadly hadly hadly hadly hadly hadly had to be the hadly hadly hadly hadly hadly hadly had to be the hadly hadly hadly hadly hadly hadly had to be a hadly hadly hadly hadly hadly hadly hadly had to be a hadly hadly hadly hadly hadly hadly hadly had to be a hadly hadly hadly hadly hadly hadly hadly hadly had to be a hadly hadly hadly hadly hadly hadly hadly hadly hadly had to be a hadly HASTINGS COUNTY

STORMONT COUNTY

Newtine Logs, Note to the State of State

OXFORD COUNTY

OXFORD COUNTY Norvich-The ground is covered heart by with mow and winter wheat and olov-or should come through in grood condition. pietely fallen out, only \$475 a. eent, he-ing faid nast week. A number were aligned at that price. There will be plea-ted by the state of the state of the state of \$13 a too, bran, \$24 should be plea-ted by the state of the state of the seed meal \$43; frozen wheat meal, \$24; 56 a br. barley, Too; wheat week, \$25; 56 a br. barley, Too; wheat week, \$25; 56 a br. barley, Too; wheat week, \$25; 56 a br. barley, Too; wheat, \$26; 56 br. barley, Too; barley, barley, barley, barley, 56 br. barley, barley, barley, barley, barley, barley, barley, 56 br. barley, barley,

NORFOLK COUNTY Courtiadit Aventher is time. There is plenty of above and first-clease sleighting. which is being made good use of. Parrie the hog market. After they have sold their hogs they find that they could had they their first that they could had they their first that they could had they their first they first they to do a but for the first plattors, for the trouble of feeding plattors, for the first they for the first plattors, first plattors, for the do a first plattors, first plattors, for the second plattors, for they be a ton; ever, fill mixed, fill have be to feel for an ever have be a ton; ever, fill mixed, fill have be to feel for an ever have be to feel for an ever have be a ton; ever, fill mixed, fill have be to feel for an ever have be to feel for an ever have be to feel for an ever have be a ton; ever fill mixed, fill have be to feel for an ever h

KENT COUNTY

ARNY GOUNTY Chathan, The weather has been very that has been very the base of the second second second in very state of the second second cover, 500 mission, 500 mission, 500 mission second second second second second cover, 500 mission second second second cover, 500 mission second secon

Gossip

Gossip Mr. Janes Bowman, Ehm Park Farm, Gaelph, writes, "I have re-cently sold a strong wellgrown Abe-deen Angus bull to Mr. Blair Kitchen, near Lowell, to cross on his grade cows, and another 'o Mr. J. C. Ready, same purpose. These are both O.A.C. men who intend to make a mark in practical work on their farms. Mr. Kitchen proved his ability as a far-mer at benchmark for the farm where are also sold a good stock bull to Mr. Thos. B. Broadfoot, Fergus, Elm Park Ringleader, 6tb out of E. P. Belle 2nd, dam of Mr. Low's cham pion bull, and sired by Lord Val 2nd.

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He is a low down thick bull and resembles his size. Lord Val 2nd. T have had fairly good sales for Suffuk sheep this season, having sold to par-ties in Ontario, Alberta, Iowa, Indi-nas, Illinois, New Y.rk and Yirginin, and have had very satisfactory re-ports from all when: their stock ar-





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NORFOLK COUNTY

A.

Free Veterinary Book Be your own horse doctor. Book enables you to cure all the common allments, curb, splint, spavin, lameness, etc. Prepared by the makers of



Any farmer who knows fence knows (Ideal is his kind as soon as beares it. Reasons the big, strong gether and that pretty nearly settles it. When ho wants particulars, be deal wires are all No. 8 wires, the heaviest that are used for fancing in Canada. ALL No. 8, to mit house finada. All No. 8, to mit house finada. All No. 8, to have a strong and the source of the source finada with some in between.

tom with some films yilght ones in between. The set of the set of the set of the set are set of the set of the set of the set strength that you get in soft wire fences. He sets that the upright says are substantial (they are No. § 100) and he knows they When he examines into the way the big, strong horizontals and when big, strong horizontals at every crossing, is knows that at every crossing, is knows that at every crossing, is knows that at every crossing is knows that there to any. There's no getting away from the set of the set o

Take a look at the lock above holes. There's no getting away from It. It's the best' thing of the kind at the best' thing of the kind at the best's point. It makes every part, strengthen every other part. There are no weak places, every part, strengthen every other part. There are no weak places, every part, strengthen every other the strengthen on the strengthen and the strengthen of the strengthen and s

THE MCGREGOR BANWELL FENCE CO., Ltd., Dept.R. Walkerville, Ont. THE IDEAL FENCE CO., Ltd. Dept, R : Winnipeg, Man.

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Mr. Trolinger breeds and sells about 600 lambs a year for New York

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MILLER AND GUNN SALE

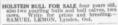
KIDD'S STABLES DESTROYED

rived, except in Ontario, where the railway took four days to take stock about 160 miles. My last report 1 "Buenna Vista Parms," I. Toilnger Managet. Managet. Managet. The four Suffolks ordered by Mr. Tokens and the suffolks ordered by Mr. Stearns arrived all O.K., and I am with all well bred Suffolks. The four Suffolks ordered by Mr. Stearns arrived all O.K. and I am with all well bred Suffolks. The suffolks ordered by Mr. Stearns arrived all O.K. Amaget. Amaget. The four Suffolks ordered by Mr. Stearns arrived all O.K. and I am with all well bred Suffolks. The suffolks and the suffolk and the suffolk

FOR SALE:-Two De Lavel turbine separators 3.600 Ba. canaoliy, also one Farrington Duplex Pasteurizer. 1.600 Ba. capacity per hour. This pusteurizer is specially suited for a milk dealer's businese, handling both milk and cream. Apply to Box I, Canadian Dairynnar

FOR SALE-64 acres, Li miles from the city of Branitord: briek two skorey house, frame barn, orchard, 100 cherry trees 39 apple. The property, with horse, cutter, wagnons, skelpins, sold for \$200, Come and use this property. Apply for further particulars to S. C. Read & Son, Limited, 130 Coloners 80, Haranford, Ont.

FOR SALE.—150 acro farm, including build-ings. If solid at once, snap. Clover thresher, Imperial double plow, single plow, wild cut mover, slings and track complete, Daky churr, one good work, thores, d2 years old, three good good.—Lott, Con., & Blandford, W. ROHEITS, Innerkip, Ont.



WANTED.-Man with one or two year's ex-perience in cheese factory. Apply, RUSSEL GRIEVE, Brownsville, Ont.

WANTED-Cheesemaker, with one or two years' experience. Apply, Russel Grieve, Brownsville, Ont.

WANTED.—Cheese and buttermaker for 1968. Give educational standing, names of recent employers and wages expected from March 15 to November 15. Apply promptly to F. J. SLEIGHTHOLM, Strahroy, Ont.

CHEESEMAKER WANTED.-For the Holmes-ville Cheese and Butter Co. State experience and salary. Send applications to NELSON W TREWARTHA, Secretary, Holmesville, Ont.



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