

The Canadian Dairyman and Farming World



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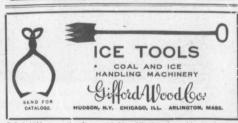
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# Canadian Apples in the Old Country

Country Of the 3,500,000 barreis exported last year from America, 1,500,000 came from Canada, and were nearly all consigned to British firms. Of the apples from Canada, about 70 per cent. were grown in Ontario and spipes are in bed mostin. Ontario pool and "In-w", Nova Scotia spi-ples almost er arely to London. Some shipments are also made from both Provinces to Cardiff, Newcastle, Man-chester and Leith. The American ap-les in the British markets come prin-cipally from Maine and New York. There is, however, but licit e actual competition between the apples from one State or Province and the apples from any other. What competition there is resubles that which might exist between dates and figs; each product seems to be separate and dir. product seems to be separate and distinct, both in its appearance and in the manner in which it is packed; and the conservatism of the British consumer would make it hazardous to attempt any sudden or radical hange.

Change. Nova Scotia apples are packed in smaller barrels than ours, made of sprace staves and bound with old-fashioned hoops. One recognizes familiar names among them—Bald-ian Univer Durate Spice I. fashioned hoops. One recognizes familiar names among them—Bald-wins, Kings, Russets, Spies. It would be difficult to add to the fame of the apples grown in the Annapolis Valley. The delicate around and lus-cious quality of the Gravenstein and the Bishop Pippin are justiy admir-ed, and place these varieties among the very best in the world.

# A USEFUL PURPOSE

A USEFUL PORPOSE The apples that are exported from the State of Maine are mostly Bald-wins. They are shipped in large quantities by way of Portland and Boston. Maine Baldwins occupy an important place in British markets, ity, but serve a useful purpose in bringing apples within reach of peo-le who cannot afford to pay higher bringing apples without pathods to ple who cannot afful reach of peer ple who cannot afful reach of peer numsual occurrer fruit. This per hot an unusual occurrer fruit. The Liverpool Fruit Exchange for a lot of Maine Baldwine hranded with "Fancy" and many crosses, indicative of high quality, to go with difficulty at 118. 6d. of 118. 9d., and the next lot some well known brand of Canadian Baldwins, marked simply No. 1, be-gin with cager bids of 18s. The other New England States also, export apples, though not in any con-

export apples, though not in any con-siderable quantities. Vermont Spies export apples, though not in any con-siderable quantities. Vermont Spies are said to be of very high quality. From the Hudson Valley and the four great apples counties of West-ern New York, large shipments are made to European markets. These are usually of good quality and bring fair prices. But careful sorting and rair prices. But careful softing and packing are not so much in evidence as they ought to be, notwithstanding the assurances stencilled on the top of the barrels. Their home market is more important to them than ours is to us, and our export trade is, in consequence, better developed. Winter shipments of Greenings from cold storage are the most characteristic of their exports. These are well ap-preciated and command high prices.

THE BEN DAVIS

THE BEN DAVIS Apples from the Western States oc-casionally find their way into British markets. It is well known that throughout the West, chieffy in Kan-sas, orchards have been extensively planted, and great quantities of ap-ples are now grown there. The most abundant is the Ben Davis. It is a handsome apple and a fine keeper. The tree is hardy, a good bearer and produces a crop a few years after The thote of acriss of svitcher orthug for the

The third of a series of articles written for the Toronto News by E. J. MCINTYRE.

June 10, 1908

planting. The quality also of the Western Ben Davis is good, and should by no means be gauged by quality of the Canadian Ben is. Who is not familiar with the shaped, handsome apple that Davis. Who is not familiar with the well shaped, handsome apple that looks not unlike a \*now or a spy, but tastes like a frost-butten turnip? Exports of Western Ben Davis apples have not been successful. The voyage is long; freight rates are high; apples are perishable, and the Bon Davis has not a good name. Large the super s

ish fruit shops. It is a large, well-shaped apple, and looks very hand-some in its delicate coloring of pale green and gold, and its spotless surface glitenino ilke wax. It grows mainly in California, Oregon and Virginia, in which latter State it is known as the Albernarle Pippin. The best sourches\_come from thereon best samples come from Oregon. They are wrapped in paper like oranges, are carefully sorted in grad-ed sizes and packed in boxes. A deal-er buying a box of Newtons knows that he will have no wastage and all the apples in the box are true to grade and quality. The Newtown has a pleasant taste and a mild, agreeable flavor.

# FANCIEST OF THEM ALL

But the fanciest of fancy apples, it must be admitted, come from Britit must be admitted, come from Brit-ish Columbia. Spittenbergs, Kings, Spies and Baldwins, acquire in that favored province a wealth of size and glorious color-ing that is nothing short of mar-velous. The plumage of the Golden Pheasant is scarcely more gorgeous. One can easily imagine them taking the comments of one weat stated all competition, once an export trade is developed. In flavor and quality they do not quite reach our standard.

they do not quite reach our standard. but they are certainly not inferior in these regards to the apples of Ore-gon and California. However, when all is said, the de-liberate opinion expressed before is hereby repeated. It is in the Province of Ontario that the apple attains its greatest excellence. Our Northern greatest excellence. Our Northern Spy represents the highest develop-ment of the apple species. Many kinds of apples are attractive in apperson of approximate activation of the person of the pers

# S.S. Latona Lost

Canadian shippers of perishable goods will learn with regret of the total loss of the S. S. Latona of the Thomson line. The Latona home-ward bound and Japanic were in col-lision off the Livad on May with lision off the Lizard on May 19th. Cable despatches contain the information that all the crew were taken off in safety. The loss of the boat will be a ser

ious one to the St. Lawrence trade as she was recognized as being one of the best boats in the service com-ing to Montreal. Being originally built for the Australian trade her cold compartments were ample to storage storage compariments note the ensure the proper temperature for the safe carrying of fruit and dairy pro-duce to Great Britain.

# New Building for M.A.C.

The advisary board of the Mani-toba Agricultural College has ap-proved plans for a new building in which to conduct the teaching of mechanics and engineering. The building will be too feet square or white brick, three floors, and will be located between the dairy building and the river.

and the river. A building for domestic science teaching purposes is also urgently needed and is being considered by the board.



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Only \$1.00 a Year

AGRICULTURE, THE KEYSTONE OF CANADIAN PROSPERITY FOR WEEK ENDING JUNE 10, 1908

The CANADIAN DAIRYMAN

No. 21

# DAIRY FARMING vs. EXCLUSIVE GRAIN GROWING

# Dairying helps to solve the weed problem and takes little from the soil compared with grain growing. The Farmers engaged in Dairying are the most prosperous.

THE advantages of dairy farming over exclusive grain growing are numerous. With dairying you do not have all your eggs in one basket, so to speak. If your grain crop is a failure you have nothing to fail back on, and as a result, you are very often put to your "wirst end" to meet obligations until an-



N. J. KUNEMAN Instructor in Dairy Department, Manitoba Agricultural College, Winnipog

other season comes round. Péople who have ever experienced this, well know what it means. It practically takes two seasons to make up and should further misfortune overtake him, it may mean his complete ruin. He then becomes discouraged, quits in disgust and says that farming does not pay. We have seen this thing many times over in Manitoba. In passing through some districts we come across homestcads that have been vacated for no other reason than that exclusive grain growing has been practised and failure of the crop put their own.ss wut of business. Places having become mottgaged for all they are worth, are left to the loan companes or speculators for disposal to some one else.

It is to be hoped that the second owner will go in for mixed farming, which is the best and least expensive to start up in as less machinery is required and fewer horses are needed.

# SOLVING THE WEED QUESTION

By following mixed farming or dairying, a' system of rotation of crops can be followed and hoed crops can be introduced. By so doing, the land can be kept free from weeds, and what is most important of all, the fertility of the soil-can

be retained. At the present time, farmers here are "up against" it owing to slipshod methods of farming that have been followed by some of those exclusive grain farmers. I reter to the weed question. As you are aware, the Government has taken this in hand and has passed a very stringent Weed Act, which, ir put into force, will mean the destruction of the whole of some crops because they are so badly over-run with weeds. Some of the worst weeds that we have to contend with are the sow thistle, the Canada thistle, wild mustard, wild oats and stink weed. There are others but they are not as numerous at present nor do they require our attention as much as the foregoing. These conditions can be overcome if the farmers will only make up their minds to follow more intensive farming. They will have to get away from the old style of doing things, by farming less, and farming better. They will have to pay nore attention to the destruction of weeds by doing more surface cultivation, in fact by doing everything more thoroughly than they have been doing heretofore.

# GRAIN VS. DAIRYING

Farmers must also follow a system of rotation and the growing of clover and grasses. By doing this more cattle will be kept to which the roots and ensilage can be fed. If more cattle are kept, the manure will be returned to the fields, thereby retaining the fertility. If you grow clover, you will return that most valuable of all constitutents—mitrogen—to the soil. Nitrogen is taken from the air by the leaves of the plants and stored in the roots. A erop of clover plowed down is of great manural value and will put another good constituent into the soil in the form of humus, which will tend to hold the finely powdered soil

together and keep it from blowing away from your seed. A erop of wheat will remove about \$6.25 worth of plant food per acre from the soil; a crop of barley, about \$6.70, and a crop of oats about \$6.85. A cow giving about 6,000 lbs. of milk will take about 64 cents worth of fertilizing constituents from the soil; 240 lbs. of butter will take from the soil about five cents for every 1,000 lbs.; a fat animal, \$4.50 per 1,000 lbs. increase in weight; and hogs, \$3.10 for every 1.000 lbs. increase. Eighty-five per cent. of this plant food, however, is returned to the soil in the manure. Then the shipping rates on dairy products are less than the rates on grain because

they are a finished product. A ton of wheat at 75 cents a bushed will sell for 855; a ton of hay, 860; a ton of butter at 25 cents a 1b, 8500; a ton of cheese at 12 cents, 82a0; and the shipping rates are nearly the same on all. Where a variety of crops is grown, there is less danger of failure than where only one crop is grown.

Dairying also distributes the labor throughout the year, and this labor can be hired for less when engaged by the year. Labor is a great problem in this province at the present time and it is difficult to secure suitable men when most required. If farmers would hire by the year they would then have their help when the harvest time came and I am certain that if such labor is properly directed, it will be profitable to its owner.

# DAIRY FARMERS PROSPEROUS

In many cases, however, the dairy farmer has great difficulty in obtaining men to carry on his business properly, because the men are compelled to work in the fields until sunset, and then are obliged to milk cows and do any other chores that have to be done. As a result some dairymen are without help for a grea part of the year and they must get along as best they can. It is no wonder they find dairying unprofitable, when they are bound to neglect some of their work, and as a consequence become discouraged and say that dairying does not pay. These are some of the facts concerning the business that are working against our interests to-day. A man who carries on dairy farming successfully will have good returns from it and will have a source of revenue the whole year through. We have good illustrations of this in Manitoba. In passing through some of our best dairy districts, we see fine houses, fine barns and farms well fenced, and in fact the farmers have everything that they require, and are in good circumstances. This is all due to the dairy industry and its co-industries or side lines, such as the raising of hogs, and noultry.

Especially is it profitable to raise hogs and poultry as we are obliged to import great quantities of both, which is not valid reason why our



# Madam Dot 3rd's Princess' Pauline DeKol (3708).

The second cow to qualify for the Holstein Becord of Performance. Owned by N. Sangster, Ormstown, Qua; mature cow. Number of days in milk 303. Total lbs. milk, 11513.7; total bs. fat 438.5774. Average per cent. of fat 3.36 production required for registration 10500 lbs. milk and 357 lbs. fat.

N, J. Kuneman, M.A.C. Winnipeg

farmers here in Manitoba cannot produce enough to supply the lemand. It is money lost to them and this province. The prices for pork and poultry are always good. There is much grain sold for less than the returns; it would bring if fed to stock, hesides, when fed to stock we would retain the fertility of the soil.

## CARING FOR THE COWS

Milch cows should be fed liberally because 60 per cent, of what a cow eats goes to sustain herself, and he who would withhold the other 40 per cent, would be toolish. For the roughage, feed clover hay, good, clean, prairie hay, corn fodder, corn silage, and perhaps a small quantity of good, clean oat or barley straw. For roots feed mangles and sugar beets. These feeds are available in Manitoba and as a rule are reasonable in price. For concentrates or grain ration, bran, shorts, oat chop, barley chop and frozen wheat chop may be fed. The quantity to be fed depends on the amount of milk a cow is giving and her capacity for roughage. A cow should be fed all she will clean up nicely. If feeding roots, from 20 to 35 lbs.; silage, from 25 to 40 lbs. and one pound of grain to every four or five pounds of milk she gives. The feed should be salted regularly or the cow should have it before her at all times, as salt is a good ulant, promotes health, and creates a good appetite. Cows require plenty of good, pure, clean water to drink and should not be allowed to drink out of sloughs, etc. In the winter, they should have water with the chill taken off it.

The stabiling should be, above all, well ventilated and have plenty of light. Stables should be so constructed that they can be kept clean easily and so the cows can be kept clean also. In fact, it should be built in such a manner that it will be both a pleasure and an encouragement to work in it. If these facts are followed, dairying will, I am sure, be profitable, and the owners of dairy cows will do much towards the improvement of the present existing conditions.

How many farmers ever think of watering their horses before feeding them in the morning? How much do they lose by not doing it? The horse comes from work at night, gets a drink, then is fed mostly dry grain, eats hay part of the night, and in the morning another dry feed, and by this time is very dry himself, so when he reaches the water he fills his stomach so full that undigested food is forced out of the stomach and is a drainage rather than a benefit to the horse. Try watering your horses before feeding in the morning, thus slaking their thirst and at the same time washing their stomachs ready to receive the morning feed; when being properly moistened with saliva it will remain until thoroughly digested.

Weeds rob the soil of moisture. The amount of water that must be taken up by the roots of any plant and exhaled out into the air through the leaves is enormous. Experiments have shown that for most of the cultivated grasses from three to five hundred pounds of water must actually pass through the plants to produce a single pound of dry matter. In seasons of drouth, when there is scarcely enough moisture to supply the cultivated crops, it is easy to understand the injury done by the presence of a large number of additional weedy plants. This is doubtless the most important of the weed injuries, for it must not be forgotten that the moisture in the soil is the all important thing. Ask the average farmer why he cultivates his corn, and he will say, "To kill the weeds," when, as a matter of fact, it is, or should be, for the purpose of conserving the moisture in the soil. The weeds are killed purely as an incidental matter. A perfectly clean cornfield needs cultivation as badly as a weedy one .- Vernon H. Davis, Ohio State University.

# WHERE RURAL DELIVERY SAVES \$100 A YEAR

# The Eighteenth of a Series of Articles Written by an Editorial Representative of this Paper, who Recently Visited the United States, with the Object of Studying the Free Rural Mail Delivery System.

"Rural Delivery saves us at least \$100.00 a year," said Mrs. J. R. Adams, of Huntingdon Valley, Pennsylvania, to me when I called at her home. "Even if it does increase our taxes it is a splendid thing for the farmers. My husband makes a specialty of raising ducks for the Philadelphia market.

Before we got Free Rural Delivery we used to get our mail from the Huntingdon Valley post office two and a quarter miles away. A young man, who stayed at a neighbors, used to bring us our mail at night. We had to go to our neighbors, about a quarter of a mile from here, to get it. If it happened to be raining we would not go and then we did not receive our mail until the following day. We paid another boy 50 cents a year to bring us a daily paper from Somerton. Now we get our mail delivered at our door every morning. It is fortunate for us that we do, as the young man who used to bring us the mail has moved away and we would have to go or send for it ourselves or do without it if it was not for free ry al delivery.

"We market an average of 500 lbs. of ducks a week during nine months in the year. When Jewish holidays come they influence the market greatly. The dealer in Philadelphia, to whom we ship our ducks, keeps track of these holidays and writes us in regard to them. Sometimes he used to write and ask us to have a lot of ducks at his place by a certain time. It frequently happened that we did not get his letters until the day that the ducks should have been in Philadelphia. As a result, we often lost two or three cents a pound on 500 or 800 lbs. of live ducks. This meant a considerable loss to us. When we save only two cents a pound on 500 lbs. it is equal to \$10.00. Now that we have tree rural delivery we get our mail promptly every morning. The dealer can write us at night in Philadelphia and we will have his letter the following morning. This means that we will easily save \$100 a year as a result of having our mail delivered promptly. That is why I believe that even if rural delivery does increase our taxes it is a fine thing for the farmers

"At one time we thought of having a telephone put in, now we do not expect to need it. We are so pleased with the service that we are shaking with fear at the thought that our route, which is only a new one, may not be sufficiently patronized and thus may be discontinued. For that reason we are buying all the stamps and money orders, from our mail carrier, that we possibly can. The first mail we received through the rural delivery mail carrier brought us 22 letters. A number of our friends had heard that we were going to get rural delivery and had written to congratulate us.

# KEEPS THE ROADS OPEN

"One reason why I wanted rural delivery," said C. H. Drummun, of Huntingdon Valley," "was because I knew that if we got it our road in winter would be kept open, even in stormy weather. Thus we would always have a clear road, as the mail roads are always broken first.

"are route in this section was started by the post master at Huntingdon Valley, who wanted to increase his trade. He went around with the carrier and explained to the people that it would not cost them any more to have their mail delivered by the rural carrier than it would to have a box at the post office. Some of those who refused to take the service at first have since given orders for rural delivery boxes. Our carrier has a route 36 miles long with 86 boxes. He expects to have a considerable number of additional boxes before long."

## TWO NICE FEATURES

As I walked down the roads, stopping at the different farm houses, two things impressed me most favorably. One was that the farmers, who had rural delivery boxes in front of their houses, nearly all had their names painted on their boxes. As these boxes were on the side of the road it was possible for a stranger to tell who lived in each house.

The second point was that at the various cross-roads there were signs indicating the way to the various post offices in the district and mentioning the number of miles to each. Ihus, strangers could tell where they were without having to drive into the farm houses to ask for information. I was informed that some states have laws making it compulsory for the township councils to erect signs of this nature at every cross-road.

Noticing that there was no rural delivery box in front of one fine farm house that I passed I asked a boy who was working in the field what



## Meeting the Mail Carrier

In the early days of the Rural Delivery System in the United States, the carriers were permitted to dismount from their vohicles. The illustration shows a farmer in Carrol County Maryland, crossing lots to meet the mail carrier. Of late years the carriers have not been allowed to dismount. Mail baxes must be baside the road where the carrier can each them the from his rig.

the reason was. He replied 'Oh, we do not bother with it as we have to go into town every morning with our milk and we get our mail then."

"We used to have to go three quarters of a mile for our mail," said Mr. Poiron, of Huntingdon Valley, "and as a result we went for it about only three times a week. Now the tural delivery drops the mails in our box every morning and we have to go only 15 feet to get it."

# HOW THE ROUTE WAS STARTED

The manner in which this route came to be started was described by Mr. Andrew Ervin, the post master at Huntingdon Valley, a general store keeper. "I knew," said Mr. Ervin, "that a rural route would be established in this section soon and I felt that it had better start from bur post office than from some user, as if the route started from another local office it might take a lot of my trade..

"I first saw our Congressman and through him secured an application form from the Post Office Department petitioning, for the establishment of

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a rural delivery roote. I then laid out a 23 mile route, and drove over it to get the names of those who would take rural delivery. The post office department required that three quarters of those people who accepted rural delivery would agree to put up boxes as a guarantee that une service would be patronized. Neatly all the people agreed to take rural delivery and to put up boxes, although a few, refused to do so. Some parties were getting their mail through other post offices and did not want to change.

<sup>e1</sup> did this work in the spring. The Inspector came out in the summer and went over the route and changed it slighty, so that the carrier would not have to travel over the same ground twice on any part of the route. The route was started on September 16, 1908, with 65 boxes. It now has 80 boxes and we expect that before long there will be more.

"Quite a number of the people on the route main me their orders for groceries and I deliver the groceries to those who live within two or three miles of my store. Our office is a lourth class office but the service is growing so rapidly it may soon go u<sub>1</sub> to a third class office."— H. B. C.

# The Secret of Large Yields Geo. Rice, Oxford County, Ont,

The whole secret of large yields of milk is that a cow is considered to make milk from her whole system, devoting all her energy to the work. She has, as it were, a storage battery storing up energy whilst dry, and strengthening her whole system. The feed fed whilst a cow is dry often has more effect on large production than that feed fed, at the time she is producing so heavily. A cows stomach can easily be overloaded. A cow that is fed too much and is bilious or sick is not likely to produce so well as at fed just enough to satisfy her.

Many cows are knocked out by over iscange, it is impossible to say how much a cow should have to produce the best as so many cows have to be fed and considered as individuals. A considered as individual Owing to the tax of motherhood her stomach will not be so strong and she must be fed very judiciously for a couple of weeks, Considering the demands of motherhood in itself no little tax upon the cow besides producing heavily, we see how absolutely essential it is to give a cow the very best care and feed at all times. It is necessary if we expect good work.

# TWO MONTHS REQUIRED TO RECUPERATE

A cow should be dry two months or more yearly and whilst dry is the time to feed her for the next year's work, to strengthen her up. This is an essential point in managing dairy cows. But it is not followed. Not well enough understood what a tremendous tax it is upon a cow to produce milk yearly? If we want say 7,000 lbs. of milk from a cow consider that she is providing 2,800 quarts of milk equal in value to that many pounds of beef. How important it is to recuperate her system. Furnish her with energy for the next year's work whilst dry. Is this often done? On the contrary cows are dried up often not to feed them up and recuperate them but to save feed on them. The result is a poor cow, poor in energy, weak, when she should be strong. So long as the present system or lack of system prevails we cannot hope to get large yields.

A cow to give large yields must be bred with the inherent ability to devote her energy to milk production. The ability is of no use unless she has the energy. This can only be secured in a good measure whilst the cow is dry. It is well known cows do not give the same quantity of milk each year. It will depend upon what fettle she is in when freshening. Sometimes a cow will

not get in as good condition as we would desire. It may be that the pasture has been poor and the cow has run herself down more than we made allowance for. She may have milked so heavily he has not recuperated properly. But the greatest cause of a poor condition is that no attempt has been made to put her into condition. Hence low production is sure to follow.

THIN COWS REQUIRE 2 YEARS TO GET IN SHAPE

It is well known by some dairymen who are considered good feeders, that it is necessary to feed a cow that has been in poor hands two years to get her' system strengthened up so that she will be able to do her best work. She will likely give considerable more the first year of good feeding, but it takes two years to bring her to her maximum production. This shows that the milk does not come directly from the feed, but as the energy is built up in the cow she is stronger and is able to do greater work.

Of course it is important that a cow should be fed well when she is producing else she will draw more largely upon her bodily energy and when she has depleted her system she will have to shrink in her milk flow. However, it is always injurious to feed a cow too much or overload her stomach. We want cows that are constitutionally strong, and we must do all we can by judicious feeding and care to keep the cow in as good fettle as possible.

But, since with the very best care and feed we can give a good cow, she will draw upon her system and deplete her energy, it is necessary to have her dry long enough to replace this energy. It is because this is not done and cows are fed so poorly whilst dry that we see such poor results. There is no use of a man asking for a ration when a cow is fresh. A man needs to know how to feed her whilst dry as well as all the year round. The best way to teach that is to show the tremendous energy that the milch cow expends in producing milk.

# Modern Methods of Clearing Land Alfred Carr, Nipissing Co, Ont.

It is very evident that the old methods of clearing/ land are quickly passing away. It is less than two years ago that we were digging the stumps up with axe and showel. Coming into a heavily wooded country with but few and small clearings, we knew quite well what lay before un. So we went boldly at work with axe and saw, chopping and logging,et. But the problem was how are we going to get rid of the stumps, which averaged about 150 to 200 per acre. Of course it was impossible to cultivate the land with the stumps standing and taking up so much space.

Our land is heavy cl-y and free from stones and grit, so we could chop off the roots until we could pull them over with the team. This, however, left a lot of roots in the ground which prevented us from ploughing until the roots were rotten which meant from five to ten years. So we tried the block and line system. This proved to be slow, laboritous and expensive, although we had a good steady, heavy team. We were continually breaking parts of the harness on the line. Even then the largest stumps remained.

Consequently we decided to purchase a stump puller, and can say after considerable experience, that it is a much easier, quicker and cheaper method than any of the former. After the smallest stumpe with the team and then select a good sound stump for an anchor. We use too feet of ½ inch steel wire cable, in two sections. One piece is removed when working closer to the machine. We also use a double power pulley for any stumps that are larger than the anchor? We pull to prevent pulling the anchor stump. We pull

all within reach. It takes from 1 to 3 minutes to pull an average size stump and then attach a strong decking line to clear the track for the next setting. We go through the whole patch in this way, and leave the stumps uppet for two or three weeks. If the weather be warm and dry, after this we go around and fire the stumps. Much of the loose matter burns off which makes the stumps lighter to draw and pite.

I do not think it would be advisable for each settler to get a machine, because there would be a great deal of the time it would not be in use. One or two machines in a neighborhood would be sufficient, for unless one has a large field to stump, it would be cheaper to hire than to buy. I do not advocate any particular machine, because there are several good machines made. T ~ main feature is to get it of a simple and strong construction. We use a Milne, one-horsie "ron Giant" and it gives excellent satisfaction.

# Statute Labor a Thing of the Past

In our township our old system of doing roadwork by statute labor bocame very unsatisfactory. Some of our people did their work well but others would not work at all. Eleven years ago, when I first became a councillor I found some beats had done no work for three of four years. The pathmasters were as bad as the rest and the council was very slack.

Eleven years ago we submitted a by-law to the ratepayers to commute our statute labor at 45 cents a day. This was carried by a large majority. The advantage of this system is that every rate-payer pays his share and no more and every one has an opportunity to tender for work. Our roads have been improved under the new system, and we get more uniform work done. We have our roads divided off into sections two or three miles in length and let a contract on every section, letting all our contracts early in April.

Our new system is giving general satisfaction and we have very little trouble with it when working it out. My opinion is that statute labor was a good thing in it's day, but it's days have 1a:sed.-Robt. Briwn, Retwoof Westminster.

In making hay from alfalfa, the greatest care should be exercised in saving all the leaves and the finer parts which are so easily wasted. The alfalfa when cut with a mower should be grathered after it is partly dry with the hay rake and placed into windrows sufficiently loose to dry out still more, but compact enough to hold the leaves and finer parts. It is difficult to teach one just how to make hay from alfalfa. It must be learned from experience. However, when one realizes the possible losses in alfalfa haymaking, he should make. a careful study of the principles underlying successful practice in handling this crop.

As a general rule, we try to give good sound food to our cows without ever resorting to the use of stock or condimental foods, which are of very little use. As Prof. Henry says: "A good manager of live stock will have no use for these high priced condimental foods or condition powders; a poor manager will never have fine stock by employing them." Silage, hay, and straw, for roughage, bran, shorts, corn meal, oil cake, and ground oats, for concentrates, is what we use. Roughage is given three times a day, only what will be eaten up clean, except in the case of straw which we let them pick over, throwing what is left under them for bedding. Without trying to come within an ounce of the mark, about one pound of meal is given for four pounds of milk. The cattle are fed and milked regularly, are given a good bed of straw, twice a day, are brushed daily, and everything is kept as neat as possible in the stable, so as to make them comfortable .- Gus Langelier, Quebec County.

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Shall we Build a Silo t' is Year? up in unother form. The dairyman This is a most opportune time to give the question of silo building consideration. Doubtless many far-mers and dairymen are giving this very earnest deliberation at this time, after the severe experience of the past winter. 'Tis certain that the dairyman who had a good full silo last fall is quite ready to endorse last fail is quite ready to endorse everything that can be said in its favor and we can recount many that have brought their stock through the winter in good condition with this economical feed that would have been in straightened circumstances withcut it. Last winter we saw those who with reduced crops of fodder, atwho with reduced crops of toduer, an-tempt-d to winter their stock on a scant supply, or made large pur-chases of feed to save sacrificing their herds. These were the men-ther had not yet built a silo. They chases or recu their herds. These were the men-who had not yet built a silo. They did not appreciate the merits of sil-age as available and economical food age as available and economical food age as available and economical food for our daivy cows. These men have not been g, ding the results that are possible in the economical produc-tion of milk and cream. We are convinced that there is no improvement that can be put on the dairy farm out of which so much good will come and such dividends will accrue, as

and such dividends will accrue, as from a good substantial silo. In all dairy sections of the United States, in many parts of Canacia and also Europe, the number of silos is legion. The reasons for building them are innumerable. They pay a handsome dividend on the in-statent, base handsome dividend on the in-statent, much better than mining stocks, bank stock or various other stocks that take wings and fly away—into some sharper's pocket. Our silo remains to do its important work of keeping the feed for our dairy cows succulent

the feed for our dairy cows succulent for winter feeding. The silo enables the farmer to pre-pare his feed for winter use at a time of the year when it is most con-venient, and in a way that requires the least labor and the least expense. The silo enables hint to store his corn in the least space and then dis-pose of it to the stock on his farm at a higher price than could be read-ized out of the same material put

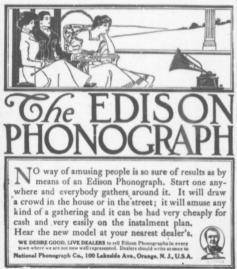
gets a much greater quantity of feed per acre by sowing corn and confeed per acre by sowing corn and could verting it into ensilage than he could in any other way, besides it makes a feed that is palatable and most in

While ensilage is good teed for horses, cattle sheep, hogs and poul-try, it is especially valuable as feed for the dairy cow. It provides her with a uniformly succulent green feed for winter as well as that portion of the summer when vegetation is dried the summer when vegetation is drived up and the earth is parched, thereby enabling her to maintain a good flow of milk at a time when with other feed there would be serious shrink-3.21

There are many crops suitable for of a high class silage. We believe that the corn plant will hold its popularity and will be most generally used for ensilage for many years to come. Its productiveness, its good keeping properties, and its adapta-bility to a variety of climatic conditions gives it first place among the crops suitable for ensilage. The results of various experiments carried on by Experiment Stations in both the United States and Canada prove to us that ensilage can be grown and put in the silo at a cost from \$1.50 to \$2.00 a ton.

It has been proven beyond a doubt that two tons of ensilage are equal to one ton of mixed hay, and can be produced at a lower cost. In every instance where ensilage has been instance where ensilage has been substituted for hay as a portion of the ration we have found an increase in the milk flow, and sometimes a slight increase in the butter fat.

slight increase in the butter fat. The feasure of the silo that pre-dominates is economy. It econom-ires room and labor and the cost of butter fat. Every dairyman should give the matter of building a silo serious and immediate consideration. Prepare some land for the corn crop, work up a fine seed bed, sow with a drill, seeder, or corn planter, in rows not closer than three feet apart. (where the land will preprint planting) (where the land will permit planting



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in hills 3 feet 6 inches apart each In fills 3 reet o incress apart each way will give the best results). Sow about ½ bushel per acr, if in drills, cultivate freely and a corn crop will a certainty on almost any well-ained soil. While the crop is growdrained soil ing and developing think over the kind of silo that will best suit your requirements. The old box silo is out-of-date. The round silo has come to stay. Of round silo the concrete, all are good and if you choose either one you will make no mistake, get a silo. Be sure and pla Only get a silo. Be sure and plant the corn so that you will have something with which to fill the silo next fall.— W. F. S.

# Handling Alfalfa

"We always cut our alfalfa just when it is coming into blossom," said Mr. Henry Glendinning, of Mansaid Mr. Henry Glendinning, of Man-illa, Ont, when speaking upon this subject at the dairymer's convention. "The ideal time to cut alfalfa is when one-tenth of the blossoms are out. We always cut the alfalfa in the forenoon; we never cut it in the afternoon. We ted it throughout the afternoon. We ted it throughout the forenoon and we rake it up towards evening. We place it in small piles and allow it to stand there three or four days if the weather is good. If the weather becomes showery, how-ever, that is another matter. If the ever, that is another matter. If the weather continues fine, we turn these coils over and spread the butts out. Then in the afternoon, we draw it Then in the afternoon, we draw it in. This is our method of handling the first crop.

The second crop is handled in the following manner: Cut in the fore-noon, ted in the forenoon and after

following manner: Cut in the fore-noon, ted in the forenoon and after dinner and towards evening rake it up and let it lie in wind-rows over night. The next day, after the dew is thoroughly dried out, we ted it again. About four o'clock in the aft-ernoon, we so out and loud it, using the hay loader. This same method is followed for the third cutting." When asked if he did not knock the leaves off by tedding, Mr. Gien-diming replied: "If one gives it fre-quent tedding; it is not allowed to leong enough to dry and it will be fround that the leaves will be all on... If you allow it to lie for a day or even a sw hours and it is exposed to the a large will find that there will be a large will will be dided, the leaves do not have channe to change of ry and fail """ not have a chance to dry and fall

off." Mr. Glendinning never salts his al-falfa or any kind of clover when stor-ing it in the barn. He has very de-cided objections to salting hay, claim-ing that where there is a heavy salt-ing, it comes out brown instead of that green color which we so much desire in hay for winter feeding; much better hay will be obtained if salt is kept away from it.

# The Ideal in Dairying

The following extracts taken from an address given by President W. J. Gillet at the Wisconsin Dairyman's Convention, while referring particu-larly to the Wisconsin cow, are equally applicable to the conditions of our dairymen :

"The time was never known in this country," remarked Mr. Gillet, "when a herd of good cows, properly fed and judiciously managed, did not compensate its owner well for the feed, time and labor expended, and it is safe to say that we have passed through comtingencies that are not liable to be repeated in the near future.

'I cannot refrain from calling at-"I cannot refrain from caming capaching with the sergingent of and indiffer-tention of the average earning capaching with the average will never consin conditions. A large number be raised. In the approved pure bred site lies ling a yearly average of 300 o 400 the foundation for up-building and the solvative per cow per year, in the salvation for future live stock fact, many are even surpassing these improvement, and the sooner our

figures, which would indicate an av ngures, which would indicate an av-erage earning capacity of \$100 or more a cow in many instances. What, then, must be the conditions under which many of the cow-keepers of the state are laboring, that the average is reduced to 179 lbs. of average is recurced to 170 hos. of butter a cover to an average earn-ing of \$30 a year? To the owner what must be the loss occasioned by many animals that are allowed to live in the guise of the profitable dairy cover it would seem that prevailing white in except hards and the

cow? It would seem that prevailing conditions in many herds and the animals used for dairy purposes, are but burleques to the dairy business. For the purpose of comparison and as an illustration of the possibilities in breeding, development, care and feeding of the dairy cows, you will pardom me for mentioning the per-pardom reformed as cowe in our state. formance of a cow in our state that recently completed an au-thenticated yearly record of 37.432 Dbs. of milk containing 098 Dbs. of butter fat, or the equivalent of 1.164 Dbs, of butter. Th actual return from the milk of this cow delivered to a cheese factory, aside from the value of the by-product, was \$320.13, or more than eight times the annual earning of the average Wisconsin cow, while the quantity of butter which could have been made from the fat she produced was more than formance of a cow in our state that recently completed an auwhich could have been made from the fat she produced was more than six times the amount produced by the average cow, omitting the pro-portionate increase in the value of her by-product. The results that are possible for one man to accomplish are always possible and within the reach of his possible and within the conditions

possible and within the reach of his neighbor under the right conditions. Of course, we never expect to see many cows produce 1,000 lbs of but-ter fat per year, but it would seem that, by better breeding, better feed-ing and caretaking, deeper thought and a wider observation of cause and affect we might second by e-most its effect, we might reasonably expect to double the producing capacity of the average Wisconsin cow.

VALUE OF MIND OVER MUSCLE

There are many cow keepers who re, to a greater or less extent, There are many ccw keepers who are, to a greater or less extent, blind to their own financial upbuild-ing, resulting from a lack of know-ledge and a keener appreciation of the principles that lead to progres-sion. Many are overworked by man-uel exercise and prefet the more imual exertion and neglect the more im-portant part of allowing the brain to solve problems that would lighten the burden of the weary hands. Our most successful dairymen and our best broaders are those whose minds, as well as muscles, have been engag-ed in the execution of their business

engagements. There is little hope for him who settles down in his own shadow, con-tent with his own accomplishments; for it is discontent that promise us to climb higher. He who does well will aspire to do better and he who does better is sure to try for fur-ther improvement. The spirit of agther improvement. pression often leads of pression often leads of progression and there is always hope for him who

and there is always hope for him who is willing and anxious to be taucht. What we need in our rural dis-tricts and for a deeper uplifting of our dairy husbandman is more edu-cation, more light and a deeper, broader and keener kaowledge of the forces that stimulate immember forces that stimulate improvement and progress. The solution of this and progress. The solution of this great proposition lies in a wiser sel-ection of our breeding animals, bet-

ection of our preeding animals, bet-ter caretaing and more liberal and intelligent use of feeds. It is no speculation or experiment-ation, but as sure as the haws of gravitation, and by him who realizes these things and acts accordingly, we may expect the standard of excellence to be continually improved and by him who is negligent of and indiffer-

dairy farmers appreciate this fact, the sooner will there arise, through a medium of a better class of animals, the spirit for successful advancement medium of a better class of naimals, the spirit for successful advancement and the temptation for better man-agement; hence the adoption of wise methods that will materially affect prevailing conditions and tend to raise the standard of excellence of the standard of excellence of our cows, which will continue to con-tribute, and more liberally, to the great resources of the state."

# Grow Rape for Forage

Grow Kape for Forage Though as yet grown in a limited way, the rape plant is rapidly gain-ing in favor in this country, mainly through the instrumentality of our experiment stations which have brought it prominently to the atten-tion of stockmen. The Pwarf Essex tion of stockmen. The Lwarf Easex is the variety commonly sown. In arme instances, however, bird-seed rape has been sown, resulting in a product of no feeding value. Rape may be sown at any time from early apring until August, the seed reing securities are broadcast, or, if sown in drills, two or three pounds to the nerve.

Cultivation is required only when sown in drills. The crop is harvest-ed by turning stock directly into the field to consume the abundant, itious leaves and stems which nutritious

rape near the parts eaten. The parts eaten. Rape is highly prized by some feeders of cattle for furnishing a suc-culent feed during the fail months and preparing them for investigation and preparing the succession of the value for feeding swine, especially during the carlier stages of fattening. This feed is much relished by pigs. Being succulent, it distents the dige-tive tract and prepares it for the toring which follows: Being succulent, it distends the diges-tive tract and prepares it for the heavier grain feeding which follows. On sheep farms, rape will find its largest use. It can be fed to all class-es of sheep with advantage and since the animals harvest the crop, the cost of feeding it is insignificant compared with the returns. Within eight weeks after seeding, the plants are large enough for use and they are then fed off by turning the sheep directly in-to the field to gather the forage at will. will

will. The rape crop, which will probably grow anywhere at some season of the year, is recommended to farmers and stockmen as well worthy of trial since it is produced at small expense for seed and culture and yields an im-mense amount of nutritious forage, flavor and succulence of which are highly appreciated by cattle, especi-ally sheep and swine.—Prof. Henry in "Feeds and Feeding."

# Feeding Cows Grain in Summer

There is a time during the summer months when the average pasture is very short. During this time the milk cows must be fed something in addition to grass. Many formers con-sider that a ration of grain will do this better and more economically sider that a ration of grain will do this better and more economically than anything else. As a rule this is not true. There are conditions this is not true. There are conditions under which grain very largely has to be relied upon for supplementing the pasture, but under average farm conditions it has been demonstrated conditions it has been demonstrated that the feeding of grain during the summer months is not usually a pro-fitable proposition. Green forage crops should be raised. In other words, summer pasture should be provided, feed during the early fall months. A mixture of harley and oats, often makes a desirable summer nasture and experiments indicate that pasture and experiments indicate that economical such pastures are more

than grain feeding. Some years ago the Kansas Experi-ment Station allowed one lot of cows

the run of a pasture without grain. Another lot was pastured and fed six pounds of a mixture of grain composed of one-third wheat bran, one-third wheat of one-third wheat of this ground oats. At the end of the test it was found that the cows at pasture receiving no grain, gave larger act returns than those fed grain in ad-

dition. At the Cornell Experiment Station. New York, cows at pasture were fed six to nine pounds daily of gran misture composed of 1cc pounds of wheat bran, too pounds of cotton-seed meal and 15 pounds of nail seed meal and 15 pounds of mait sprouts. Several tests of this kind were made and the conclusions drawn therefrom were that the feed-ing of grain did not yield increased net returns.

A number of other tests might be cited, but the conclusion would not be changed. This does not mean, of course, that when the pasture is un-able to supply an abundance of food for the stock that it is not better to i a'd grain than to allow the cows to run down, but it means that pas-turing, even if annual pasture crops must be used for tiding over the season of short pastures, is more nartial grain feeding. It must be bora in mid, however, that unless cows giving a heavy flow of milk have an abundant supply of good nutrian abundant supply of good nutrit-ious grass they will not be able to get the required amount of nutri-ment. In such cases some grain should be fed in addition.—Farmer's Tribune.

# **Healthy Stables**

Just now there is considerable ag-itation throughout Canada or in facthroughout the entire civilized world about the alarming increase of about the alarming increase of con-sumption or tuberculosis, commonly called the white plague. This agita-tion is no doubt well-founded, but methinks 1 hear someone say what has that to do with agriculturists? Well, perhaps it has nothing to do with agriculturists but they have a with agriculturists but they have a with agriculturists but they have a duty to perform in helping to stay the dread disease in the animal king-dom, which may be a step towards its prevention among humanity. All medical men are agreed that sunlight and pure air are most nec-cesary for the nation to have in order

resary for the patient to have in order to effect a cure for tubercular trouble or even to prolong life. If that is the case with human beings that are constantly moving around indows and out, how much more is it neces-sary to apply this remedy or preven-tion to our catlle, many of which are tied up all winter long or nearly half of their lives for the purpose of sup-phart Now, lest with minuage stood, I do not wish to put the whole animal kingdom as equally important with the human race, only in so essary for the patient to have in order with the human race, only in so far as neglect of the annual health is

far as neglect of the animal health is likely to affect human health. I am very strongly of the opinion that dark, dingy, ill ventilated stables are largely responsible for tubercu-losis in cattle. As to what effect that has on the meat or milk from such animals when consumed by hu-man beings I am not in a position to say but I have for opinion. As this stables and building new ones I would uree upon anyone contemplatstables and building lew ones I would urge upon anyone contemplat-ing making such changes to put in all the light possible, as well as some system of ventilation. It need not necessarily be an expensive one. not necessarily be an expensive one. However, do not rely upon doors and windows for such ventilation, as it is difficult to so arrange it without throwing drafts upon certain ones of the stock. Build your walls hollow, you will find it much warmer and driver than solid walls, and no more erromaine expensive.

this a good plan to have your win-dow sash made for double glass It is desirable to motion

about half an inch apart. This will make your stable warmer and will give better light in cold weather as the glass will not frost over.

The Canadian Dairyman and Farming World

It is important for the health It is important for the health of the animals as well as for the life-time of the stable that roots be not kept in the stable. This is easily arranged by placing the root cellar under the driveway, and when pro-perly built of cement throughout it should last a lifetime. Another thing that can be conveniently built in can be kept bigh enough up to allow the water to run to the drinking fountains in front of the cows. When of the water to run to the drinking fountains in front of the cows. When built of cement and covered up se curely it should last indefinitely.curely it should last indennitely .- R. H. Harding, Middlesex Co., Ont.

# Farm Water Supply in Manitoba

Ed. The Dairyman and Farming World.—Some few years ago, we er-ected a modern dwelling and placed ected a modern dwelling and placed therein a dual system (hard and soft water) of water supply. Ou: cistern is in the cellar. Fr.vm this we pump the soft water to a large tank in the attic by means of a force pump. We pump it by hand and it takes a man zo minutes to fail the tank. When filled, the supply will last for about from within the supply will last for about from within the supply will have a connection and thence to baihroom, thus arrange, and thence to baihroom, thus arrange ing the bath; with hot and cold water by the usual methods of plumb-ing found in any modern house. ing found in any modern house.

The well water system is supplied from a well a short distance from the ouse. It is pumped by means of windmill and forced into the house house. a windmill and forced into the house through the cellar and thence up through the kitchen where the pipe is tapped into a second tank in the attic. This system is connected with the flush box in the bathroom, thus doing away with the necessity of pumping water by hand for this pur-norm

We dispose of our sewage by means We dispose of our sewage by means of an ordinary system of plumbing which connects with a cess pool. At the bottom of the soil pipe where the sewage would enter the sewer in the sewage would enter the sewer in the regular way we have made a con-nection with a glazed four-it.cn tile duain. The joints are cemented so as to make it water and gas tight. This drain runs too feet out from the house. The length of it will depend upon the nature of the soil. being far enough away so as not being far enough away so as not to contaminate the water supply of being far enough away so as not to contaminate the water supply of the well. Our cess pool is simply a well dug 20 feet deep. We have a pump in it ten feet from the bottom. a pump in it ten feet from the bottom. During the winter we pump this out about twice but we expect it to soak away principally. The drain from the house enters the cess pool about cight feet from the surface. In On-tario, it would not be necessary to have it so deep, but in this climate it requires to be six and one-half or seven feet deen to be out of the have it so deep, but in this climate it requires to be six and one-half or seven feet deep to be out of the way of frost. The cess pool is drain-ed by an ordinary two-inch tile. This drain effectually disposes of all sev-age during the summer season. The cess pool must be left open or cov-ered with a grating for ventilation in summer. Provision is made for tilation in winter.

These were the instructions m



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will not be necessary for us to explain that.

During the summer the water from During the summer the variet from the cess pool when everything is open and well ventilated, is not as bad as that from some wells I have seen around some of the barns in Ontario from which water was used to supply stock. In winter, while pumping it out, the smell is none too pumping if out, the smell is none too pleasant, but we have never noticed any inconvenience waatever at the house from this cause. The waster water from the washing sink in the is, not advisable, house plot and greasy water or disk stater through this system as the grease will cause trouble by clogging up the drain. On a farm such matter can best be On a farm such matter can best be disposed of through the medium of the hogs in the pig pen as it possesses some feeding value.—C. F. Nixon, Marquette Co., Manitoba.

The firm of B. H. Bull & Sons of Brampton is importing 2t head of Jersey Cattle including three bulls. Ten of these animals will be shown at the leading exhibitions next fall. This firm purposes sending two car leads of stock to the Calgary Exhibition

drag road will become like a hog wallow in that it will be impervious to water and being oval and hard, it will shed the rain instead of holding to soak down in the road bed.—D. eff King, Misseuri.

Iness were the instructions so you want to sell your farm? close it up middling tight in the for Sale column degrees below zero weather. the Canadian Dairyman and ventilation of the soil pipe below to the ordinary plumbing, hence it the rest.

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# \* HORTICUL TURE

# Fruit Crop Prospects

Fruit growers are looking forward to a good crop. The present condi-tion of trees and bushes indicates a favorable season. The following re-ports point out the situation in the various districts of Ontario:

# HASTINGS COUNTY, ONT.

Trenton.—Apple and pear buds are about one-half less than last year. All the Japan plum buds are dead that were above snow limit;; other varieties, very few buds showing. In cherries, Richmonds are full; others, more or less injured. The season is backward ; nothing is in bloom yet .--W. H. Dempsey

## PEEL COUNTY, ONT.

Clarkson.—All fruit trees and bushes look healthy and promise good crops. Apples are showing lots of buds. Plums will be a better crop than last year. Strawberries are looking well; even those that were not protected are doing fine. Rasp not protected are doing nne. (Rasp-berries promise a good crop, with the exception of some of the old patches, which did not cane up very well on account of the drought last summer. Grapes look healthy and promising.--W. G. Horne.

HALTON COUNTY, ONT.

Oakville.—Apples, cherries, pears, currants and gooseberries promise well; plums, fair; strawberries, rasp-berries and blackberries wintered well.—W. H. MacNeil.

Burlington.—Early apples show a fair amount of bloom; late varieties are not far enough advanced to predict Pears show from a medium to dict. Pears show from a meanum to full bloom. Japanese plum trees are frozen badly; Furopean show a mod-erate bloom. Cherries show a full amount of bloom. Berries wintered well.—W. F. W. Fisher.

## LINCOLN COUNTY, ONT.

LINCOLN COUNTY, ONT. Jordan Harbor--Peaches were full bloom although some were knocked off by hall; however, there are more blossoms left than would make two crops; sour, one-half crop; apples, two-birds; pears, full. Japanese plums promise a full crop; domestic, one-half. Not any strawberry blos-soms have been injured yet.--H. S. Peart.

St. Catharines.—Pears are full of buds. Peaches are comin and promise a good crop. Japanese plums are full of bloom; European younts are full of bloom; European varieties are making a fair show. Two-thirds of the varieties of ap-ples have plenty of bloom buds; the prospects for crops in all lines are cond. The sense is a block of the The season is a little backward and strawberries are just be-ginning to show bloom and look well. Raspberries are fair.—Robt. Thomp-

## OXFORD COUNTY, ONT

Ingersoll.—From present indica-tions, there will be a full crop this year. Japanese plums promise ex-

# PICTORIAL PRACTICAL GARDENING BY WALTER P. WRIGHT

BY WALTER P. WRIGHT The object of this useful formanial for all classes of bortienlurids is to present a concise and pleasariable into detion to practical gardening, and to compress a much information as possible into the section of the most vigorous winter apples and one of those which pay the a much information as possible into the inte leading flowers, fruit and vegetables, consequence to pick them before sect anight being made slowing the section of the culture and election of consequence to pick them before maturity. In fact, it is the first win-hordber viluable feature of the work is "A Pictorial Garden Calendar." The the section of the work is man and Farming World, Picterboro. Our computer catalog of books set: Tree or request.

ceptionally well; also Greening ap ceptionally well; also Greening ap-ples. Other varieties show an aver-age of bloom. The backward spring and weather conditions are all that can be desired at this season for a fruit crop.-J. C. Harris. Burgessville.-The show for bloom on fruit trees in this locality is good

and indications point to a good crop. Arthur Frain

BRANT COUNTY, ONT.

Burford.—Present appearances i dicate a full bloom on all fruits. N damage has been done by frosts. No M. Lewis.

# SIMCOE COUNTY, ONT.

Orillia.-Buds on Duchess and other varieties now advanced promise much bloom.-Wm. Bacon. GREY COUNTY, ONT.

Owen Sound.—The show for bloom n trees of Baldwin and Spy that ere heavily loaded last year is on trees on trees of bloaded last year were heavily loaded last year of the peaking a present are well this good. Klugs and Russet are went covered. Plums, pears and cherries show good. The season has been very favorable but rather late. Leaf show cood buds are just beginning to open. With continued favorable weather, the prospects for a large bloom are bright.-Adam Brown.

# BRUCE COUNTY, ONT

Walkerton -- Prospects for a good crop of apples, plums, pears and cherries, were never better. Bush cherries, were never better. Bush fruits give promise of a fair crop, but everything is very backward ow-ing to the cold weather. Bloom will not be out for some time yet.—A. E. Sherrington

# Best Six Winter Apples

Prof. G. Reynaud, La Trappe, Qu

Prof. 6. regimma, La Trappe, que. In recent issues of The Canadian Dairyman and Farming World men-tion was made of the best six sum-mer and fall apples for planting in the Province of Quebec. In winter apples, I will mention the following: PEWAUKEE

With Pewaukee, we enter into the With Pewaukee, we enter into the class of keeping apples, those which keep for a longer or shorter time, some even to the apple season the following year, as the Ben Davis. These are they, which, by reason of the scarcity of fruit at different times, when they attain maturity, bring the highest prices, either in the local or forcing mathematical states of the scalar of the scalar force of the scalar scalar scalar scalar scalar scalar scalar force of the scalar scalar scalar scalar scalar scalar scalar scalar force of the scalar foreign markets.

It has been repeatedly said that in the Province of Quebec there is as yet no winter apple specially ad-appled to it. Those of which I am going to give a description have only a relative hardiness; their suc-cess is largely a question of circum-stances of place. cess is largely a question of circum-stances, of place, of exposure and above all, the care given to the cul-tivation of these trees. Shall we eventually have this greatly desired apple uniting, with the desired hardi-ness, such qualities as will permit it to atvantageously sustain the com-under more clement pipes. This with the hope because of the work now heing carried on, of which one may pres-are well. well

The Pewaukee is a large apple which keeps a part of the winter. Its beautiful appearance and its size as well as its good flavor, make it a favorite fruit for exportation. The tree is very hardy and its fruituiness is most satisfactory. It is one

This is a hardy tree of retricts. This is a hardy tree of re-markable fruitfulness. Its fruit is of medium size, red-studded, with little white spots and green on the shaded side. It is of beautiful appearance and shows up well on the market. I do not hesitate to remarket. I do not hesitate to re-commend this variety as I am sure that it will give satisfaction to those planting it. In our orchards, with-out any special care, it does well out any special care, it does w and gives us a very profitable crop.

## SCOTT'S WINTER

Many do not care to cultivate Scott's Winter as the fruit is small, in fact it hardly attains the size of an ordinary Fameuse. However, this is an excellent commercial fruit on account of its deep red color and good keeping qualities. It is, moreover, a count of its deep red color and good keeping qualities. It is, moreover, a tree which yields enormously and which thus makes up for the small-ness of the fruit. We have sent it to England in boxes and obtained the same price as we have for much larger apples. It is a hardy tree which seems well adapted to our winter. An acre planted in Scott's winter. An acre planted in Scott's Winter will give as good returns as any other varicty. This variety cer-tainly merits our attention, and we should introduce it into all our com-mercial orchards and I do not think will ever repent doing so.

# BEN DAVIS

Ben Davis is the longest keeper. appears on the market at a time It appears on the market at a time when no other is able to compete with it. It may be concluded that it will then fetch a most remunerative price Although it is not of the first qual Authough it is not of the first quar-ity for dessert, a character which I wish to point out, yet its beautiful appearance gives it a place by itself in the class which we are consider-ing. It has also enjoyed the favor of ing. It has also enjoyed the favor of the planter for a long time and there have been considerable plantations made of Ben Davis. I know fruit growers who have made fortunes out of this fruit. The tree hears early and gives regular annual crops. It needs to be planted in well-arained land and sheltered as much as possible. Its rapid growth renders it particularly susceptible to the sun's rays in the spring time. This, one particularly susceptible to the sun's rays in the spring time. This, one can remedy by proper cultivation, the details of which would take too long to enter into now. Supposing Ben Davis do not live very long, (I have seen trees 25 years old), can, by making the plantations one er, draw from its cultivation, revenues which will certainly remunerate him for their early death.

GOLDEN RUSSET

The Golden Russet should find a place in all commercial orchards by



of this publication when writing to advertisers

reason of the quality of its fruit and the high prices it always brings. It keeps easily till June and even into July. The tree is hardy and if it keeps one waiting a little while for its fruit, there is consolation in the good crops which it afterwards gives, regular, annual crops whi amply remunerate one for the time which was necessary to wait, by the profits procured.

### FALLAWATER

Fallawater is a variety but little known in Quebec. It is worthy of recommendation for those who wish to establish a good bearing orchard. to establish a good bearing orchard. The tree is hardy and bears enor-mously. Its fruit is very large and of good shape, green, but streaked with red on the sunny side. It keeps without difficulty until spring time and always brings a good price.

NITRATE OF SODA



The Canadian Dairyman and Farming World

# June 10, 1908

# \* POULTRY YARD

Knowledge Necessary

A. G. Gilbert, before Standing Committee

Poultry keeping cannot be made profitable without a knowledge of how to make it so. No matter by whom carried on a certain knowledge of breed, feed, and management is absolutely necessary. The farmer's stock may not be pure, or his poul-try house of the latest or best pat-tern, but these obstacles to success be easily and cheaply removed. He has the grain, the green food and other essentials in abundance, in many cases in the shape of waste

But despite this, it should ever be remembered that to the farmer, his poultry is only one of the many branches of his farm work. It would certainly be misleading him to advise him to keep more fowls a hatch out more chickens than and he an properly—which means profit-bly—handle. From 100 to 150 hens able to hatch and rear from 100 to 150 hers able to hatch and rear from 100 to 150 chickens. If he has help from his family a greater number may be hatched and raised.

# With right methods financial success will follow

Edward Wyatt, Middlesex County, Ont.

Fanciers like everybody else are now, or should be, reaping the bene-fits from a rich and bountiul har-vest. They are taking advantage of the prosperous times, which fact is being chimed into their ears by the collingious of our own construct well. being chimed into their ears by the politicians of our own country as well as that of our consumtry as well of us. Nevertheless, we have fairly good times, for which *m*c snould all be very thankful. Furthermore, we should do that which will insure us all that is coming to us. For as the saying goes, "We should make hay while the sun shines. Fanciers everywhere have during the past sea-son made an effort to raise a large number of fowls, though the season was a very late one, that came as possible, for they realize in the fancy possible, for they realize in the fancy poultry business good times brings poultry business good times brings good sales, as well as in every other poultry business

Some fanciers, especially those who are in the first year of the fancy, may get discouraged at the slow sales of the young stock upon which they placed great reliance to make up for placed great reliance to make up for the cost of the original birds and a share of their accommodation and feed. They may think that pure-bred fowls, being considered tancy stock, the wealthy of well-to-do clas-ses may purchase them, and some may begin to suspect that fancy fowl raising is a delusion and a snare, misrepresented by the poultry press, and that too high an estimate is



placed upon the profits. Surely a business without its successes and its obstacles. its good and poor trades, its brisk and quiet times, would be something above natural. ADVERTISING WILL HELP

Surely no sensible person would expect a constant rushing trace in fowls the whole year round when every other business or enterprise may be temporarily paralyzed. T amateur can do much during the se The amateur can do much during the sea-son by judicious advertising. He cannot at any time compete with the veteran who has secured customers every year from the start, whose name is familiar to almost every lover of fowls, whether he be a prac-tical breader or not, who has adver-tical breader or not, who has adver-tical breader or not, who has adver-tical breader or not, who has any lover of fowls, whether he be a prac-tical breader on the search of the part in poulty associations and shows, who discusses questions of importance and brings himself and his fowls prominently before the poultry farentity in various ways. his fowls prominently before the poultry fraternity in various ways. The amateur cannot even hope to dispose of all his surplus fowls the first few years in the fancy, no mat-ter what may be the times. Every other amateur and profession pace with the demand can the fowls be shipped off. Every amateur and every profes-

Every amateur and every profes-sional as well must learn the all-imsional as well must learn the ansample portant lesson to bear with patience every trial making efforts to meet every obstacle and carry a confiding heart for every faite. These sugges-tions are offered to every amateur tions are offered to every amateur fancier with a view of assisting and cheering him during his probation, and to every one who is contemplat-ing buying fowls this season for fu-ture breeding and selling of same.

The beginner is generally too en-thusiastic, too confiding, too positive about making sales and making very large profits from a few fowls. When these expectations fail he is apt to become despondent and apt to throw up the undertaking as a fraud. He will not reason to himself why it is thus; why one fancier is more suc-cessful than another, like one mercessful than another, like one mec-chant, mechanic, or professional man leading all others. For this reason and others the fancier should make fowl-raising an auxiliary pursuit, in-stead of depending on it alone.

By strict economy and industry he can from a small beginning increase his stock annually so that in time he his stock annually so that in time he may work up a trade to warrant the giving of his whole time or attention to it. This is an extreme case, to which very, very few try to attain. But at the start at least, every one should make it a secondary pursuit, and avoid incurring unnecessary ex-penses in the way of elaborate and costly houses and appurtenances until the business and profits therefrom in-sure him of undertaking more commodious accommodations.

# BEGIN LOW AND WORK UP

Quite a number of enthusiastic and ambitious amateurs, with a goodly share of spare cash, dash into fancy share of spare cash, dash into fancy poultry breeding on a large scale at once, or on the first impulse, building costly houses and fit up elaborate buildings for the breeding of some fancy variety which has captivated their taste, or from which they ex-pect to reap a golden harvest. Such construm editors succeand and seldom pect to reap a golden narvest. Such amateurs seldom succeed and seldom continue long in the business. They are not of the right kind of material for successful breeders. The success-



tivated by the beauty of fine feathers | the bottom was covered will be making their first purchases, to such I would say, cultivate and practise good management, economy and industry if you wish to be suc-cessful. There are many breeds to choose from, and if you have no choice in the matter, get a breed suitable to your place, surroundings and facilities for keeping same. 1. you admire one breed more than anyou admire one oreed more than an-other and it is adapted to your place and purposes, it is the breed you should procure because you will give it better care and take more interest and pleasure in improving it.

and pleasure in improving it. Be sure to get good, healthy stock, not necessarily prize winners, unless you are out for breeding that kind and are willing to pay the price. If, then, you have the necessary quali-fications for carrying out your intentions there is nothing to prevent your reaching the top of the ladder as a successful breeder and fancier.

## **A Successful Experiment**

The results obtained from experi-ments that have been conducted re-cently at La Trappe Agricultural cently at La Trappe Agricultural College, La Trappe, Que., with Zeno-leum in the incubator, bear out the results of experiments tried at Guelph and indicate that Zenoleum tends to increase the percentage of chickens hatched, and to improve their health.

machine, and to improve their meanta. Writing about the experiments the manager of the poultry department says: "We find that the use of Zeno-leum in the incubator just before setting the eggs is a preventive against white diarrhœa, that bane to the pollty industry, as a result of the incubator, in order to help the egg shell dissolve slowly, and furnish from that egg shell, the lime neces-sary to the building up of a strong chick." chick

### Increases Vitality of Chicks In the use of Zenoleum in hatching incubators, Prof. Graham, in with Bulletin 151, says:

"Experience so far indicates that enough of the mixture. In our perimental work at Guelph, we have not used ture. In our exfor successful breeders. The success-ful merchant is the man who begins low and works up; so with the chick-ern man. But there are those who dis-regard at the start the many essen-tial elements necessary for success, and when they fail in realizing their expectations they unjust sufficient to the many "reforseen obstacles connected with poulty culture. As we are in the midit of the sides were very wet and eray of the sides were very wet and

the battom was mixture. The tray was washed, and mixture. Care was taken to machine. cover every inch of the machine. While the machine and tray were still wet the eggs were placed in the ma-chine. One can readily imagine that chine. One can readily imagine ma-with such a mixture inside a hot machine the odor is strong. What the active principle is I am not prepared to say, but so far by thus washing the machine we have increased the vitality of the chicks. They are not yet equal to hen-hatched chicks but approach them fairly well in ash con-tent, which, by the way, appears to be the indicator of vitality. The more ash or mineral in a chick, the more vitality it appears to have. Our more vitality it appears to have. Our experience to date is that the wash-ing should be done before the eggs are put in, and further, if done any time after, say the first day, it is of littlo or no use. We have not had favorable results from washing machines at the end of the first or second week."

### GOOD RESULTS

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My last ad. in the Poultry Exchange of The Canadian Dairyman and Farming World Dairyinan and Farming World has given me good results. I think your paper one of the best advertising mediums.-J. F. Treverton, Pouchers Mills, Ont

# POULTRY EXCHANGE TWO CENTS A WORD, CASH WITH ORDER

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# Live Stock Importations

One of our staff a few days ago, thanks to the courtesy of Dr. Cou-ture, Inspector, had the privilege of inspecting the cattle now in the quarantine station at Quebec. They number in all 70 herd, made up of four importations, as follows: 22 fer-pering to the state of the state state of the state of th Bourners, for H. Buisseys, for H. Buisseys, for H. Buisseys, R. J. Fleming, Toronto; and one calf for E. B. Elder-kin, Amberst, N. S.; 22 Ayrshires, for Messrs, R. Hunter & Sons, Max-ville, Ont.; 20 head, for A. R. N. Nes; and 11 head, for A. Hume & Co., Meire, Ont.

Meire, Ont. The Jerseys are a choice lot and have been selected from the best Island herds, and range in ages from six months to two years. Worthy of notice in the lot selected by the

Messrs. Bull, are the three year old heifer, Myrtle. by Jolly Fox. Beautiful in form, she is of the true Island type, and has great possibil-ities in udder development. Primrose of Huntiville, is of found-ation stock, has many fine points, and is a good handler. Elfidas Leda, by Ludas Golden Lad, is a balaud head, and corput has the form and almost perfect in udder.

Island head, and is symmetrical in form, and almost perfect in udder. The two year old. Kate, by Gold-worthy, is a solid, rich fawn in color and has every appearance of grand udder development. Mosrilles Pride, by Idas Glory and Minorcas Pearl, by Ashley King, are a heau-tiful pair of heffers, touching the two Neur mark. Newtor's Blossom, two Neur mark. thu pair of netters, touching the two year mark. Nestor's Blossom, by Nestor, is another heifer of merit. Among the calves and yearlings were several extra choice ones, notably Purzance, by Mabel's Raleigh. f sweet form and fine quality. The yearling bulls are a high class

The yearing bulls are a high class pair and our taster runs to Gaunilet's Duke, by Highfield Lad, a large, well developed youngster of the lat-est Island type, showing grand qual-ity, is of good length, weil µopor-ter, the mold mag strong charac-ter, the mold mag strong charac-ter and the mold mag cellent quality, is of solid color and true to type.

The three year old cow for Mr. Fleming, Pauline 3rd, by Snapshot, is light fawn in color and is a cow of merit, as also is the two year and calf. The calf for Mr. Elder-kin is dark in color, and of fine type and quality.

type and quanty. The Messrs. Hunter & Sons' Ayr-shires number za head, t7 females and s bulk. Stylish Hilbead of is a cow perfect in form and type, carrying a well balanced udder with fine, well placed tea.s.' She has an oficial milk record of over 8 oo gal-lons in 30 weeks. Grace and of Dal-fible, five years of age, is a strong, showy cow of great qualities, and no doubt udders up well. She won ist at Thornhill and Dumfries shows ist year old cow, Yiolet of Castle-mains, is a large, deep bodied cow, built for business and has a milk re-cord of over 800 gallons of milk in 352 days. Morton Mains Nannie, is another cow of the business type, has great length of barrel and quarter. The Messrs. Hunter & Sons' Ayr another cow of the business summer has great length of barels and quarter, and no doubt swings a great under when fresh. She also has a milk record of 800 gallons in 250 days. The three year old, Lady Scot, has apparently every qualification to make her a good producer. Of right breeding and individual merit is Lessnessock Queen's Kate, a model dairy type. She, too promises a grand udder. Her make, Favorite Beauty 5th of Auchenbrain, has many fine roints in her favor while White beauty stn of Auchenbrain, has many fine points in her favor, while White Rose. a McAllister heifer, though a shade coarse about her head, has every appearance of grand udder shade coarse about her head, has every appearance of grand udder development. Among the yearlings, Lady Cherry and Old Hall Cherry 7th, are trim heifers of hish qual-ity. The Lessnessock heifer by Spicy ity. The Lessnessock neuron of fine Robin, although younger, is of fine

pe. The three calves, Stately 11th of essnessock breeding, Fairfield ains Bessie and Lessnessock

Lessnessock breeding, Fairfield Mains Bessie and Lessnessock Sprightly, are likely to have a good future before them. The bulls, flow-ies Crusader, nearly all white, com-bines style, ouality, form and strong character, with true dairy type. He should make an impressive sire, and is from Morton Mains Guarantee; has a little more red, not so impressive as his mate, but has abundance of quality. This, combined with true dairy form, makes him a fine sire. Auchenbrain Albert, of Royal breed-in- is a well balanced fellow, with strong back and fine shoulders. This bull should get not only producers bul should get not only producers to days, as a many eight of the other store and the others, by all abute for the others, by all should and the other balance of Lessnessock and the processor of the should be and the file and the other balance of the senses to days, as many eight month catef.

tock

stock. The three year old heifer, Bloomer of Glenshamrock, belonging to A. Hume & Co., has been in milk for some time and is thin in flesh, but shows great milk yeins and udder development, combined with large time particulated consider

Rescived from T. Mones et al. tices. Also a choice loc of tices. Also a choice loc of terthorns and Lincelas. oth Gardhouse & Sons HIGHFIELD, ONT. mg Distance Westo Station, Data C. P. gallons of milk in 184

days. She combines quality, style, form and dairy type with large milk

Ocean Girl of Gardrum, just over two years, is a heifer of fine coun-tenance and good quality combined Decan only of Database to be two years as good evaluation of the observed with yreat productive capacity. Her dam having a record of over 8,000 bes of milk in 252 days, shows she is from a family of producers. The yearing, Sunshine of Broadhouse, is of true Ayrshire type. The calves are of Gardrum breeding and also are a choice lot. The bull Aikenhead Rover, about 14 months of age, has good breeding as his site is Nether Hall-up-to-Time I. This is backed up by good individuality, as he is a bull of good form and strong chan has not ruline the style of his matter yet he is of pronounced dairy type and con-tains, some full bloomed blood. His grand dam has a milk record of 11,000 bis, of milk, testing 3,0 per cent. of fat, in the 12 months. The bull calves, Rare Style of Midland and Stewarton Lad are likely youngsters. R. R. Ness's lot numbers zo head made up of to bulls and to females. The two year old bull, Gay Cavalier, by Durward Lily, is an amimal of a first and Gagow and Galston, and second at Kilmaronock. Morton Queechy Mains is a fine yearling, he

and second at Kilmarnock. Morton Queechy Mains is a fine yearling, large, of strong character and sub-stance, combined with good type and quality. He was second at Ayr and Kilmarnock this season. His mate, Morton Mains urbanch har ghart type, this, combined with style and quality should make him a worthy site.

true dairy type, this, combined with siyle and quality should make him a worthy sire. Sir Robert and his mate from the Auchenbrain herd are a pair of year his constraints of the same may be said of the four Barcheskie lads, while the one bred by Lindsay of Tor, is a bull possessing high qual-ity, with size and style. Among the females is a four year old cow of great quality and style, having a fine shoulder, symmetrical body and carryie a two heifers of rand -we were selected from the herd of Lindsay of Tor. The beauti-ful three year old possesses many points to commend her to lovers of Ayrabires. She has a symmetrical uder and fine large teats. The two Glenshaurock heifers, Lady Diana and Lady Jane, have been weet bread milking capacity. They were both prize winners in Scolland dur-ing the past two years. Lady Nan-nie, of Bargower breeding, tops, the both prize winners in Scotland dur-ing the past two years. Lady Nan-nie, of Bargower breeding, tops the lot for quality and type, while a Bar-cheskie heifer follows her closely. These breeders are to be commend-ed for their enterprise.—W. F. S.

The dairyman leaves his family a better farm and a larger bank ac-count than when he commenced. The grain raiser doesn't.-W. F. Stephen, Huntingdon County, Que.

### HOLSTEINS

HOLSTEINS If you are wanting a choice young bull from A. R. O. cows and sired by Brithetet Cantry throws whose dam made 100, 105 Solid like burler in 7 days: whose grand-dam made 102.5 like butter in 4 days Solid like burler in 7 days: whose grand-dam made 102.5 like butter in 4 days days: his sire's dam made 2005 like butter in 60 days (L. will pay you to write to Gordon H. Manhard, 26.5.09 heard, Ont.

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the second second second second is with salt every two or three days. Inquiries and Answers Readers of the paper are invited to submit questions on any phase of agriculture. Inquiries and Answers Readers of the paper are invited to submit guestions of a strapping of agriculture Clover for Seed Please let us have through your jour, where his the model of the submit of th

Please let me know through your jour-nal what is the best time to top-eut a clover field from which I expect to get ryed. I have two fine fields of clover and I am thinking of keeping them for seed if they blossom out well.-A. O., Peel

 and binking of supplies that, if any binking of supplies that if any supplies that ent and you intend to take off a crop of hay, you will get the largest yield and the best quality of red clover seed if this first growth is cut for hay early in June, or when the first clover heads appear. It is necessary to cut the first crop early in order to escape the depredations of the red clover midge, which has been so de-structive to red clover in most parts structive to red clover in most parts of Ontario for some time. By cut-ting the clover early, and euring the first erop for hay, most of the larze of the midge are destroyed, and even if any survive, the second crop of clover will be in bloom before the second broad of midge are developed. second brood of midge are developed. Sometimes a good crop of red clover seed is obtained by cutting the first crop late so that the second crop of clover will bloom between the sec-ond and third broods of midge. It is not advisable to count on this increases the second crop of the second count of the second is not advisable to count on this practice, however, as it is uncertain and on the average, much better re-sults are obtained where the clover is out early, cr, better still, where the field has been pastured and the cattle turned off before the 15th of lune.

# **Re Packing Butter**

re racking Butter Will you kindly answer the following questions for me through the columns of your paper? 1.-18 it necessary to line with parch-ment paper, old or new butter boxes into which pound prints are to be placed? 2.-Bhould this paper be could in hot or cold water before using? -If the boxes are clean butter is put the place of the p

4.-Which will give the most exhaustive churning, cream of low or high tempera-

churning, cream of low or hugn tempera-ture? 5-16 there any limit to the amount of moisture which may be incorporated in 6-Can you suggest any remedy for the butter sticking to the printer? Some-times I experience difficulty in freeing the printer from the top of the print afree the printer for about five minutes and then cool it by allowing it to stand in cold water for about an hour. I also

ABSORBINE Bursal Enlargements, of Tissnes, Infiltrated dany Puff or Swelling, ameness, Allays Fain ing the horse up. Does not in or remove the hair. \$2.00 a red. Faniphiet 1-0 free. ot laying ABSORBINE, JR., for mankind, \$1.00 ottle. Cures Synovitis, Weeping Sinew, trains, Goniv or Ebsenatio

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The Canadian Dairyman and Farming World

scalded before packing, if they are

naving been churned at too high a temperature. Over-working the but-ter will also cause this. Ordinarily, the butter will never stick to the printer in the fall or winter.

# Milk Supply of Edinburgh as Seen by a Canadian

Ed. The Dairyman and Farming World.-Having had the opportunity of observing some of the things World.—Having had the opportunity of observing some of the things bearing on the milk supply industry of the City of Edinburgh I trust The Dairyman and Farming World will permit me to give through its valu-able medium some of those observa-tions to my friends in Ontario. The Burgh of Edinburgh extends considerable farm lands on which are them besides other stork, three thou.

kept besides other stock, three thou sand dairy cows which produce mill kept besides other whole, three thous-sand dairy coses which produce miles under strict city aurveillance, while the remainder, about o,ooe cows are not subject to city regulations, al-though the milk is. I visited the large dairy farm of Mr. Alex Smith in the Upper Braid Farm, just three miles out from the city, accompanied by the Canadian Commissioner, Mr. Race. We sere received by genuine Scotch horpitality and shown over the Scotch horpitality and shown over the Mr. Smith is milking at present cipty grade shorthorn cows, one Ayrshire grade and one black poiled. Last year the 82 cows gave an aver-age az's gallons a day each or an aver-age any annual record of 10007 bb.

annual record of 10.037 lbs age annual record of 10.037 lbs. each. This, you might think a re-markable record for shorthorn grades, but we must consider that Mr. Smith does not breed but a few of the very does not breed but a few of the very best milkers and no heiffers are in-cluded in this herd. He buys all his cows on the Edinburgh morket. They cost him  $\&_{23}$  toos of &115.00 each, all above 4 years of age, and before they reach the age limit of to years they have gone to the block, at from 15 ho for ext. for &83.00 each, ary inspection by city once a month. They do not use the tuberculine test. The cows require 800 cubic feet of

The cows require 800 cubic feet of air space each. City water only air space each. City water only must be used for the cattle and for washing purposes. The stables must be light and whitewashed, with con-creic dioors, walls and mangers. The stalls are 7 feet 6 inches wide for double stall. 7 feet 4 inches long with gutter so inches wide and 8 inches drop. The cattle are tied with charter so inches wide and 8 inches dro with chains

HOW TO BUILD A GOOD FENCE

fence wirs and has an article quoted from bulkin of U. M. Dept. of Agrical on concrete boot making, howing how these durphic posts can be ecohomic made at home. Don't full to write for a copy. It's free. THE BANWELL HOXIE WIRE FENCE CO., Ltd. Dept. O Hamilton, Ontario.



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**Clydesdales and Hackneys** choice lot of Imported Clydesdale Stallions and Fillies, sired by edgetters as Baronson, Baron Mitchell, and Marcellus, Stareys I have to offer two his tranny have down Stallions and the as Baronson, Baron Mitchell, a ve to offer two big trappy hand exceptionally breedy ones from h straight action and combine number of prize winners at Can if coming show ringers to offer itable terms can be arranged. and two ada's leading shows, Prices will be righ Corne and see the

II

Ingersoll, Ont.

W. E. BUTLER. -. . .



This is the last of 50 year connection with the breed. At New York Mills I earned my spurs when under my management 110 head averaged over \$3,000.00 each. We have the same old blood reinforced by the vigorous Scottish quick maturing sort and yet retaining the milking and steer growing propensities pertaining to the old breed that made Ontario famous. We must have beef but also cream and butter.

Trains will be met at Komoka, C.P.R. and G.T.R. and Caradoc, C.P.R.

Catalogues on application.

Come and help to make my last years happy.

RICHARD GIBSON Delaware, Ontarlo

They are fed three times a day, and They are fed three times a day, and watered once. The daily food is mash, one bushel, made up of dis-tilling grains, treacle, bean meal and hay, 4 ozs. salt and boiling water. They get also go Ibs. roots—sweet turnips in the early winter and man-cles and succer heat later. Sugar My own opinion of the reason of Mr. Smith's success as a dairy main is his wise selection of the dairy cow, his care and freedom in feeding, close personal attention to the health and comfort of the animal, and his intense system of soil cultivation, tending to yield the greatest possible amount of feed. It is a rare treat to be enter-tained by such a host and hostess as Mr. and Mrs. Smith and my wish is that many other Canadian dairy fac-an object lesson as the Ganadian Commissioner and myself had at Upper Braid.—L. E. Annis, of York County, Ont., a director of the To-ronto Milk Producers Association. They get also up to be there are set to be a many set of the set

They do ask for pure milk from healthy cows. Mr. Smith favors na-ture methods of milking not with the

heating cows. art. smith lavels he ture methods of milking not with the machine, but with moist hands, thus Prenting the Toronto milk pro-ducers will be surprised when I tell them that this milk is retailed for 4 pence arf sense is retailed for 5 pence halfpenny or 5 cents a quart wholesale. Yet Mr. Smith maintains a staff of 15 employees, and pays \$21.00 an acte a year rent for the arable land and \$5.00 for pasture or rough land for a farm of 145 acres, but you might not be surprised at this, nor to see his beautiful home with its fluxmiant lawa and flower garden. When you take a look at his herd, a uniform lot of splendid dairy type of shorthorn, well groomed and

THE FENCE

GOOD FARM ale. Not particular about location. Wish ear from **Owner** only who will sell direct to cr. Give price, description and state whon ession can be had. Address P. DARBYSHIRE, Box 1348, Rochester, N.V.

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sleek, for everything speaks of pros-

perity around him. My own opinion of the reason of Mr.



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and Males

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OUR PROTECTIVE POLICY We want the PROTECTIVE POLICY Not want the Adventure of the Candidan Dairman the Mediane World to feel that they can deal with our advertisery with our assurance of the advertisery with our assurance of the advertisery of the the transmitter of the advertisery want out the most reliable advertisery weight the the transmitter be receive weight the the transmitter be receive the find reason to believe that any of our detertions are unreliable even in immediately the publication of their ad-vertisements. Should the diruminances volumes of the paper. Thus we will not only protect our readers, but our reput-able advertisers as well. All that is ne-Protective Policy is that you include in all rour letters to advertisers the broder, "man and Parming World". Complaints about the sum for dissultation has been the comment of the table atter atters to the substitution of a substitution of the table atter the table atters the broder." "man and Parming World". Complaints about the sum for dissultation has been the comment of the substitution of the substitution of the atter advective policy is that you include in all rour letters to advective the broder."

THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO, ONT.

TORONTO OFFICE: Room 306 Manning Chambers, 72 Queen St. West, Toronto.

## SHIPPING GREEN CHEESE

The shipping of cheese within a couple of days of the hoops has not been very prevalent so far this sea-This is not saying that the son. practice has been discontinued altogether. Every time a buyer offers a good price for cheese to be shipped out at once, the temptation arises to ship green cheese. Who is the more to blame for the offence, the buyer or the salesman, is hard to say. One thing is certain if the buyer would not buy cheese until it is cured or until it has changed from curd to cheese, there would be no green cheese shipped. But the buyer will not guarantee this and hence the difficulty may arise at any time.

The conference of dairy instructors and others called by Dairy Commissioner Ruddick, at Ottawa, on Wednesday last, to discuss this question, may help to solve the problem. The instructors are finding that the shipping of green cheese is greatly ham-

able to advise definitely how the cheese should be made. If cheese is to be shipped green a change in the methods of making is advisable. But any modification in methods will not remove the difficulty and shipping cheese in a raw state or in other words, shipping curd is not to be commended.

The best way out of the difficulty is to discontinue the practice altogether. Any advantage a factory may gain by getting its cheese out of the curing room, when a couple of days old, and thus avoiding the expense and trouble of curing will be entirely nullified by the injury to the produce by such practice. The factory's reputation will suffer and its future business will be injured from the standpoint of the patron, the maker and all concerned. There is nothing to be gained by it. Every time green cheese is shipped future business is sacrificed for present gain. No matter what change in methods of making may be followed the maker is not in existence who can make cheese to ship when a day or two old, and guarantee that the quality will be first-class. There will always be an "if" in the way.

## GRADE STALLIONS A DELUSION

Ontario should become one of the greatest horse breeding centres of the world. It never will until our government takes a more active interest in the horse raising industry. So little educational work has been done, in the way of showing the best lines of breeding to follow, that thousands of our farmers each year breed down instead of up. The success our leading breeders, such as Graham Bros., of Claremont; Robert Beith, of Bowmanville; Smith & Richardson, of Columbus; John Bright, of Myrtle, and many others. have met with proves Ontario to be an ideal breeding center. Were our farmers to profit by the examples set by these breeders Ontario might furnish high grade horses for the continent

The Ontario Horse Breeders' As sociation is urging the government to refuse permits, after three years, for the travelling of grade stallions. While to many this recommendation appears to go too far there is much that can be said in its favor. In all foreign countries noted for one or more pure breeds of horses practically no "scrub," "grade," or nonregistered stallions are used for public service.

While it is not denied that there are some "grade" stallions that leave better stock than some so-called pure breds, there is one outstanding defect of the "grade;" he is not prepotent. This defect alone prevents us from even hoping for much improvement in the quality of the horses we raise as long as "grade" stallions are used at all extensively. If we are to expect lasting improvement we must cut out the grades.

Not until a special type of horse has been pure bred in one direction for many years will its stallions or man who knows, one cannot fail but

their characteristics upon their offspring. That power is termed prepotency. It is lacking in a majority of low grade stallions. Grade horses possess a little pure blood. but not enough to ensure their transmitting their good qualities for more than one generation.

Many grade stallions are fine lookers and appear to possess all the good qualities we should expect to Their outstanding defect is find. that behind their good looks, they lack this quality of breed prepotency. It has been said, with truth, that their good looks are like the thin layer of silver that gives a plated article its look of reality, but which serves only to cover its base material. This base material predominates in the make up of both. The prepotency of the scrub and low grade horse is obtained from the predominant elements which were derived from scrub ancestors and serves only to transmit these undesirable elements. A grade stallion may be stronger than many a pampered pure bred, so far as begetting numerous. rugged offspring is concerned, but he stamps all of them indelibly with the seal of the scrub. Before we can expect any marked improvement in the quality of our horses we must take steps to see that only the better class of stalions that are used on our common mares. This can be insured best by the government taking steps to see that none but sound stallions are alowed to travel and by taxing or otherwise restricting the use of grade and mongrel stallions. The country is ripe for such legislation.

## JUNE EXCURSIONS TO GUELPH

The season of Farmer's Institute excursions to the Ontario Agricultural College at Guelph is again at hand. Those who are acquainted with the work that the college is carrying on and more especially those who in the past have paid one or more visits to the college, are fully aware of the advantages to be derived from a trip to that seat of agricultural learning-The Farmer's University." All who have visited this institution during June have vivid recollections of a n ost pleasant outing and of being entertained right royally.

Not only can one spend the day at Guelph with much enjoyment, but it may be made a profiable day as well. There is much to learn from the different departments that one may visit. An hour or two spent amongst the experimental plots in company with an instructor will more than repay for the expense connected with this trip. Here one will learn from object lessons in a way that is not possible in any other manner. One will learn of the best varieties of crops to grow, of the most approved manner of planting and of cultivation, of the best time to sow and how to sow. In many instances, farmers are loath to believe that there is much difference in the yielding qualities of different varieties of certain, grains. After spending a few hours in the experimental plots, in company with a pering their work. They are not mares possess the power of stamping be convinced of the great superior- an easy and pleasant one.

ity of some varieties over others

But not only in the experimental plots can one find something that will be of value. There are many other departments that will prove of interest and from which much valuable information can be gleaned. The horticultural department, the dairy, the poultry and other departments each and all are of interest and well worth the time that one can spend therein. The ladies will be well entertained, interested instructed as they inspect the department of special interest to them. There is much at the college for them to see and a day will prove all too short for the purpose.

Those who have visited the college in the past are the most enthusiastic over the prospects of paying another visit. Those who have never seen the college should strain a point to attend when the excursion runs from their district during this month.

# THE PATRON'S END OF IT

Every year the patron becomes more and more the important factor in the dairy business. The system of manufacture has been so improved and the maker so schooled in his work, that if he has proper buildings and the necessary facilities for making and secures suitable raw product the quality of the finished article is assured. More than ever before everything depends upon the raw material or the quality of the milk which the patron supplies.

There are many patrons of factories who fail to realize this. Either through ignorance or carelessness they supply milk defective in flavor or inferior from some other cause and then wonder why the cheese made at their factory takes a second place and sells for a lower price than that of the neighboring factories. Good cheese or butter cannot be made from poor quality of milk. Likewise if the maker knows his business and the majority of them do, and he has the proper appliances and necessary conditions for making in, the opposite of this holds true-poor cheese or butter, cannot be made from good milk. These are axioms in modern dairying that patrons will do well to remember.

From the cow to the milk-stand or to the weight-stand at the factory, if he hauls his own milk is the patron's special field. No outside aid will help if he is not willing to undertake the responsibility of caring for the raw product till it reaches its destination. The responsibility is not a heavy one, if the little things about the care of milk are looked after. It is just as easy to care for milk in the right way as in the wrong way, it one only thinks so Habit goes a long way. To form the habit of milking in a cleanly manner, of straining the milk, of aerating and cooling it as soon as the milking is finished, and of placing it where the atmosphere is pure to keep over night or until taken to the factory, is to solve the problem. A habit once formed becomes a second nature and renders the task involved

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Why Don't You Try?

No one knows what he can do un-til he tries, and many of our readers have found that it paid them well to try to obtain new subscriptions to The Canadian Dairyman and Farm-

to try to ousen. The Canadian Dairyman and Asser-ing World. Why don't you try? Read the cash and live stock pre-mium offers on the back cover of this issue. There is no reason why you should not win one of the prizes. Note what a few of our subscribers we about the paper. We receive

Note what a tew of our subscribers say about the paper. We receive many such letters. Mr. E. E. Chaffee, Glengarry Coun-ty, says: "I like The Canadian Dairy-man and Farming World. It is O.K.

nan and Farming World. It is 0.K. I would not like to miss any copies of the paper." Mr. C. J. Greenwood, Northumber-land County, says: "I could not do without The Canadian Dairyman and Farming World." Mr. Stephen Ackland, Queens Coun-ty, P. E. I., says: I am very much interested in The Canadian Dairyman and Farming World."

# The Cheap Production of Pork

The man who has not provided a clover field for his sows and pigs to run in from now on through the summer, has no business raising hogs," says a farmer writing to The Indiana Farmer. The profit in hog production comes from the pasture and not when the hogs are put on grain feed. There should be no let-up in crowding the pigs. If the sows have been properly handled, they can stand heavy feeding while the pigs are been property handled, they can stand heavy feeding while the pigs are sucking. Turn out the sows with their litters. See that they have a good water supply but let them live in you have for a couple of months. If you have for a couple of months, if you have for a couple of months, if you have for a couple of months, to provide some rape for them at any rate as it will be very acceptable later on. later on.

# Fight the Weeds

The fight to exterminate weeds should be carried on vigorously for the next two months. On all parts of our farms and more especially where the next two months. On all parts of our farms and more expecially where a poor stand of a crop is to be had, there the weeds are to be found in abundance. There is too much care, the standard of a standard of the standard the result that many fields are wir-run with bad pests that will take there, but it will pay to watch the grain fields and pull up the more obnox-ious varieties that have been seeded with the grain. The wild mustard should be pulled, or if it is too thick to permit of pulling, them spraying should be pulled, or if it is too thick to permit of pulling, then spraying should be pulled, or if or escotted to. Chances should not be resorted to. Chances should not be resorted to. The corn fields should be kept free at all hazards. Probably no-where is there a better seed bed offer-ed for weeds than in the corn field, so here we must put in our best ef-

ed for weeds than in the corn field, so here we must put in our best ef-forts to keep the weeds in check from planting time throughout the culti-vating season. One should never get in such a hurry that he cannot take time to stop to pull up a bad weed that the cultivator fails to catch. As weeds seed so very pro-to seed in a well-cultivated place such as the corn field, will produce seed enough to soon stock the farm seed enough to soon stock the farm with its descendants. Then look out for the roadways.

Then look out for the readways, If they are not pastured closely keep all weeds mowed down. The weeds unless prevented grow luxuriously up-on the public highway and if they produce seeds, you may rest assured the adjoining fields will soon be covered. Do not wait for the inspec-Visit the areas once every 8 or 10

tor or the pathmaster to force you to cut the weeds upon the highway along your property. It will pay you many-fold to be prompt in at-tendin~ to these weeds which will soon infest your cultivated land if not attended to.

The Canadian Dairyman and Farming World

# Caring for Cows in Summer

Now is the time when the cows are at their best. It will pay to keep them up to their full capacity from now on for upon how well they are tared for during the summer months will depend the profits to be months will depend the profits to be and winter. At present mat fail and winter. At present mat fail tures are good so we need not worry on that score for a month or so. How-ever, if as yet you have neglected to provide some green crop that can be used for July and August feeding, it should be done immediately. We may be blessed with an abundance of pasture throughout thus coming sea-son but it is never safe to depend entirely upon our meadows and pas-tures to furnish us with the necessary feed for our cover showshows and feed for our cows throughout the summer. The dairyman who is caught napping in this respect is the man who pays dearly for it ere the following winter has passed. If the man who pays dearly for it ere the following winter has passed. If the cows can be carried up to October 1 without much loss in their milk flow, you will have them in fine shape to doing good work during the fall and

winter. Keep the dogs away from the milk cows; it will pay one well to go for the cows rather than send the aver-age dog to hurry them up. See that the cows have some shade in their pasture and provide sail for them at all times. It is a well-established fact that the cows cared for properly, for the next two months will be the money-making once later on. Do money-making once later on the summer work. On dire rush of the summer work. On dairy farms most of the work that is done throughout the summer is done to provide fodder for the cows during the coming winter. On this acthe coming winter. On this ac-count it assuredly is poor policy to neglect the cows from which we expect to get returns for the labor we are now expending.

# The Quack Grass Question

From that excellent bulletin No. o, on "weeds and their eradication," by Prof. H. L. Bolley of the North Dakota Experiment Station, the following on quack grass and other weeds is taken: "Quack-grass is spreading rapidly throughout the Northwest because of

present agricultural methods. The weed would not prove such a menace in a country of greater pasturage re-quirements and of more intensive cul-tivation methods. Continuous growth of correale loosely broadled cuine this of creats, loosely handled, gives this weedy grass every opportunity to de-velop. When an area is once infect-ed the plant is soon dragged to all parts of the farm. As with certain other weeds that have become gen-eral, most farmers are paying but slight attention to small patches, other are much disturbed about the others are much disturbed about the ready awake to be far others are al-ready awake to be far others are the the weed almost general ippor their lands and are now getting corresof cereals, loosely handled, gives this the weed almost general upon their lands and are now getting corres-pondingly lessened yields of grain at a much greater cost. To advise farmers whose lands

are now overrun by this grass may seem adding insult to injury, for to quack-grass extermination there is seem agging insuit to injury, for so quack-grass extermination there is no easy road. No spraying method is economically possible while other crops are to be grown. Direct ap-plications of salt have not proven



days and remove every visible spear of grass, with the attached under-ground stem.

days and remove every visible spear of grass, with the attached under (z) Or, cut off in July and cover (z) Or, cut off in July and cover (z) Or, cut off in July and cover (z) Or, cut off closely july and over deeply with straw or manure (z) Or, cut off closely in July and cover deeply with straw or manure (z) Or, cut off closely in July and cover deeply with straw or manure (z) Or, cut off closely in July and cover deeply with straw or manure (z) Or, cut off closely in July and cover deeply with straw or manure (z) Backset in mid-August at hot to exceed a or 3 inches) in mid July. Backset in mid-August at deepth but slight deeper than before. Then disc and harrow throughout the show. Then plow deeply in the broad cast." late fall. Plant a cultivated crop the

13

# The Maple Leaf Gold Sheaf Harvest Tools



These tools are tempered by the same process used in the tempering of the famous Maple Leaf Saws. They are the best goods of the kind ever offered to the Canadian public. Every tool is warranted. Handles made of best second growth white ash It pays to use the best. If your merchant has not got them, send to the

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who are the manufacturers. None genuine that do not have the Gold Sheaf on the label J. C. DIETRICH, President. C. J. SHURLY, Vice-president.

F. D. PALMER, Treasurer C. K. JANSEN, Secretary

4

Hutter Makers are invited to send contribu-tions to this department, to ask questions on matters relating to butter making and to sug-gest subjects for discussion. Address your letters to the Creamery Department.

# Believes in Grading Cream

Ed. The Dairyman and Farming World.—In reply to your enquiries in May 13th issue I would say most assuredly that I believe in grading cream

The man who sends a first grade of The man who sends a first grade of cream has a right to the highest price while the one who sends an inferior grade should only reserve a price in accordance with the merit of his cream

Cream. Question 1. 1 believe that gracing cream could be made practicable for the average creamery providing all the factories in the district would grade the cream.

grade the cream. 2. I am satisfied that we would get a much better grade of cream at the creameries because the man who is sending the inferior grade of cream would be forced to accept a wer price for his goods or improve the quality.

3. I do not think the extra expense would amount to very much. It would probably mean a little extra vat room in order to keep the different grades of cream separate and some extra help for the maker. But I consider that the better quality of cream, which means better butter and

consequently better prices, would more than offset the extra expense. 4. If the work of grading the cream is going to make much extra work for the maker he should re-

ceive some extra pay. I wish your paper the success which it deserves.—F. A. Keyes, Huton Co.,

# Wants Condensed Milk Factory

Ed. The Dairyman and Farming World,-I would like to get in touch world, — I would like to get in touch with a party in the condensed milk business with a view of getting him sufficiently interested to build a milk condensing plant in the Chilliwack Valley, B. C. Our soil and climate are a perfect combining for a stock perfect combination for a stock are a are a perfect combination for a stock and dairy country. The climate is mild, with sufficient rain to secure good crops. Also the soil is rich and well adapted for producing great crops of grass, hay, krain, roots and corn for fodder. I think I am justi-fied in saying that milk can be pro-



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BRITISH IMPORTER is desirous of hav-ing shipments of butter and cheese made direct. Minagers of cheese factories and oreameries willing to ship direct to the old country, should communicate with har activity, should communicate with har activity of the ship of the ship ing World, Peterboro. D tf

LIEAN MIK-R-UF R D. Belcher, M.D. In CHEAN MIK-R-UF R D. Belcher, M.D. In this hook, the author sets forth practi-eal methods for the exclusion of hac-teria from milk, and how to prevent contamination of Illustratic set in the estimation of Illustratic set in the estimation of Illustratic set in the net pages. Cloth \$1.00. The Ganadian Datryman and Parming World. Our complete catalog of dairy books sent fire on request.

the second secon

ous price. However, about 70 miles from here, in the State of Washington, where conditions for producing milk and marketing butter are similar to what we have here, and where, until re-cently, there were about twenty creameries in operation. But since the erection of two milk condensing plants there the creameries are closed except two or three that are inacces cible to ship to the condenser.

The condensing companies are able to pay more for milk than can be realized when made into butter and consequently get the business. We have two railroads in course of con-struction into the Chilliwack Valley. which will give good transportation facilities east and west.

There are at present about 4,000 cows in the Valley which could be increased to double that number in four or five years. The great demand for canned milk

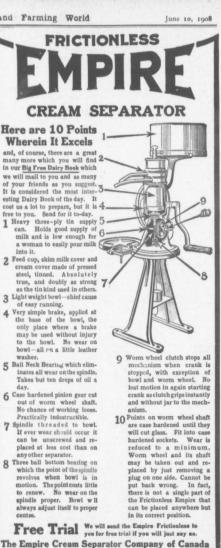
all sections of Canada including Yukon country, where fresh milk the the luken country, where tresh milk is not obtainable, guarantees a good market. This together with a good supply of milk in sight should inter-est a party versed in that line of business to look this matter up.

I trust you will kindly publish the above in your valuable paper.— Thos. Richards, Rosedale via Chilliwack,

Note.—What our correspondent says as to the demand for condensed milk and the higher price condensed milk companies can pay for milk as compared with what a cheese factory or creamery can pay is quite true. It is a business, however, about which very little information is given to the public. Considerable capital is re-quired and experts who can handle the manufacturing part are not to be had very readily. For these reasons few are so situated that they can take up a proposition of this nature. n any of our readers help our C. friend out?-Editor.

# **Keeping Creamery Records**

Circular 126 issued by the Dairy Division Bureau of , animal Industry, Department of Agriculture, Washing-ton, D. C., gives a simple method of keeping creamery records. The Dairy Division has arranged a sys-tem of blanks which may be used for models in ruling books. Com-mon record books with pages about 0 by 14 inches, with 16 lines, may be used and can be ruled by hand in a short time. The heading in each column indicates what returns are to be made. Certain forms are to be Circular 126 issued by the Dairy Column indicates what returns are to be made. Certain forms are to be kept by the maker and others by the secretary. Forms 3 and 4 as out-lined in the circular are of special value to butter makers. They pro-vide for keeping a record each day of the number of nounds of milk and vide for keeping a record each day of the number of pounds of milk and cream received, the list of the milk and cream, the pounds of butter fat in each, and the total pounds of butter fat received for the day and what is done with it. They cover one month. Form 3 is for use where creameries send out haulers or gaths show the creamery weights of cream; creamery test; pounds of butter fat received; hauler's weights; hauler's butter fat; hauler's pounds of far short; short: hauler's pounds of cream short: hauler's pounds of fat short; hauler's pounds of cream over; haul-er's pounds of fat over; price of but-ter per lb.; hauler's short, dollars; hauler's over, dollars.



Western Office, Winnipeg. Statute and

ounds butter fat from stations or form is given for recording comoutes; total pounds butter fat; ounds butter fat in milk and cream routes : sold; pounds butter rat in mik and cream sold; pounds butter made; per cent. moisture; pounds, over run, per cent. over run; butter retailed; tubs of butter shipped; pounds of butter shipped.

Where hand separator cream is rewhere hand separator cream is re-ceived testing every day is recom-cended. (Except where the cream s sweet when delivered). To keep he record considerable space is re-Form 4 is for more general use y sweet when delivered 0. To keep It contains columns for pounds of milk; pounds of cream; unit, test; quired. A form is given for use in cream test; pounds of butter fat from milk pounds butter fat from cream; tion. For whole milk creamerus, -

posite test twice a month. A form of shipping book is given

Terente, Ont.

Limited

A form of shipping book is given for use of the secretary also a form of monthly statement and a form for the annual statement. There are ten forms in all.

ten forms in all. Bookkeeping for a creamery is so different from that of any other jusi-ness that special forms and methods of procedure are necessary. This circular is a inso to method of pro-cedure is given and any butter maker or scretary can use it. Accuracy and system are the requisites.

**Cheese Department** ibutions to on matters uggest sub-r letters to Makers are invited to send contri this department, to ask questions o relating to cheesemaking and to su jects for discussion. Address your The Cheese Maker's Department.

# Peterboro Cheese Board

Peterboro Cheese Board ent The Peterboro Cheese Board ent on June 3rd, when 2,643 cheese were boarded. The buyers present were Messrs. Watkin, Fitzgerald, Gilles-pie, Jones, Kerr, Weir, Gunn and Langlois, Morton and Cook. Mr. G. A. Gillespie secured the first op-tion on the cheese, tidding to'k wakin followed and hought son at 11 B-16 cents; Mr. Kerr, 888 at 10% cents; Mr. Cook, 50 at 10% cents.

cents and MF. Cook, 50 at 10.5, Conviderable discussion was raised on the statement of Chief Instructor Publow that a large quantity of green cheese was being shipped from East-ern Ontario, which, according to the instructor meant a loss of one cent a instructor meant a loss of one cent a pound on all cheese that was too green. Mr. Watkin, an old and ex-perienced buyer of Eastern Ontario, stated that Mr. Publow did not refer s' much to the Peterboro district but that the practice was prevalent in districts around Brockville and Belleville. Around these latter places, there are no inspectors at the factery and therefore it is as much the fault of the buyers as it is of the proprietors and makers. It was stated that in some factories the inspec-tors visited, there was no cheese at all to be found on the shelves, and in many cases, cheese that were only two days old. Mr. Riddell, the presi-dent, urged the makers or Peterbore



its cost is no inconsiderable item.

Windsor Salt goes farther-and does better work. Its cost is really less -and it makes the butter worth more. Ask your grocer.



The Canadian Dairyman and Farming World

On account of this complaint, a motion was made that there should be a meeting of this board every three weeks but the motion was de-have first class cool curing rooms-stated that keeping cheese for three weeks during the hot summer months would decrease its value instead of increasing it. It was then decided to meet two weeks from the date of this meeting. this meeting

### Another Criticism

Ed. The Dairyman and Farming Ed. The Daryman and Farming World.—It is always easier to crit-icise than to write a report, and it is therefore rather pleasant to de-fend some opinions expressed by the Director of the Provincial Laboratory at St. Hyacinthe

Before entering on special points, Before entering on special points, there is one remark to be made on the criticism against the Report as a whole, namely, to ask for whose benefit this criticism is written? Is it written from a scientific stand-point? Certainly not. Is it then written in a popular way? By no means. Well, for whom is it written? Is it not written is forwer of these who Is it not written in favor of those who have to sell Rennet that smells bad? I think so.-J. Van der Smell, St, Hyacinthe, Quebec.

# Criticism of Director's Report Provincial Laboratory, Que

(Continued from May 27)

Another remark may be made about Table VII. on cheese analysis. The Director gives there the number of bacteria per gramme and per pound of cheese. What the latter figures are good for is not quite clear. In the scientific world it is not the habit to work with the num ber of bacteria in pounds per art icle, and there is no practical use in giving the number of bacteria in a pound of cheese. What the maker could value is some information on the presence or absence of certain injurious bacteria and their relative

number. We note that Koch plates were em ployed by the Director in some of his experiments. These plates are now experiments. These plates are now-adays very seldom used, because the chances of mould infection are much greater with them than with the more commonly used Petri dishes. A few moulds on a Koch plate are not the least indication that they originate from the cheese. Finally, we must make a tew ob

servations regarding the experiments made with the Ulax milk filter. It is generally known that the Ulax filter was introduced to replace the

mes every opposition that can be

MORRISBURG ONT.

cheese cloth filters, still used for filtering milk. They are not used to separate the bacteria from the milk, but to separate from the milk, hairs, but to separate from the milk, hairs, dust, manure and other stable part-icles. The Ulax filter is made of a thin layer of cotton between two ware guage disks, and the great ad-vantage of this filter is, that it can be renewed by placing a new cotton disk between the wire plates. This arrangement is of course much simple to expect any decrease in bacteria, and as already said, it was never meant to do so. The Director shows us in his report on page 365 that the Ulax filter has no influence on pure milk ( in the bacteriological respect), and that in other cases the results on the bacteria are very small, and comes then to the conclusion that : 1. "The action of the Ulax filters

depends chiefly on the nature of the milk filtered."

2. "That he cannot draw serious con-clusions as for the solid and liquid residue retained in the cotton, for the following reasons:

(a) The disks of cotton may be contaminated during the trip and amid the surroundings in which they have sojourned.

This sounds peculiar. The sur-roundings of the cotton are the box in which it was packed, so that the contamination will not be so enor-mous, especially because very few

 bacteria like to eat dry cotton.
('b) The quality of filtered milk is unknown, and therefore does not the number of colonies per cubic centimetre in the remains of the fil-ter signify much?"

When there are few bacteria in the cotton, then the conclusion may be drawn that the bacteria go through drawn the filter.

Table XIX. gives the number of bacteria before and after filtering with an Ulax filter. In the first test the Director finds the same number of bacteria before and after filtering and besides that a large number of bacteria in the filter, and writes about that fact on page 365: "The large quantity of colonies numbered per quantity of colonies numbered per cubic centimetre of residue contained by the cotton of the filter cannot be explained except by the presence of germs in the cotton of the filter it-self, which I did not sterilize. This cotton was certainly contaminated by the surroundings in which it had been kept (kept was not printed).

There the Director shows himself unconscious of the fact which is alby filtering, centrifuging, etc., lumps of bacteria are broken up, so that after such a treatment the number of bacteria found may be greater than efore

If the Director will spare a few minutes to read "Cleaning Milk by the use of a Gravel Filter, (The Bacterial Contamination of Milk and its control by F. C. Harrison, transits control by F. C. Harrison, trans-lation of the Canadian Institute, Vol. 7), he will find an experiment done by Dunbar and Kister, 1800, who filtered 22 samples of milk through sterilized gravel filters, in 17 of which the number of bacteria after filterement and bacteria after filtration was increased. The average of five samples v

450.000 before and 62.000 after filtr-ation, and the average of the other seventeen, 1.300.000 before, 5.600.000 bacteria per c. c. after filtration. Backhaus reported: "That these filters have no effect in reducing the number of bacteria in the filtered number of bacteria in the filtered milk. The mechanical separation is good, all coarse particles such as hair, straw, manure, etc., are arrest-ed, but the bacteria are washed out of the manure and the milk contains more bacteria than before filtration." In possession of these well known



experiments are easily interpreted.

Whether there is more in this re-port open for discussion, the writer of this criticism does not know, because he only took up the points in which he himself was interested.

The writer does not know the direc tor of the Provincial Official Labora-tory, but he is of opinion that no-body has the right to publish any statement which may be injurious to any person's reputation, without being also absolutely certain of his experimental data, and the conclu-sions drawn from them. J. Van der Leck, without

Macdonald College, Quebec

A dairy school has been established in New Zealand. This is the first in-stitution of its kind in Australasia. This school will not take the place of the technical schools of which there are a number in that colony. The school will be divided into two parts The -scientific and instructural, What the University is to the medical, law, or clerical student, this dairy school will be to the farmer's son.





desirable to mention the name of this publication when writing to adver.is

The Canadian Dairyman and Farming World



# Ibail to June

Hail to June, who comes a-singing, Roses in her hair!

All the little birds are winging, All the blossom-bells are ringing, Golden chalices are flinging

Fragrance on the air.

16

Hail to June and glad to-morrows, Song and summer-time! June who covers all the furrows

Hides within a rhyme!

# A Slip in Orthodoxy

"Yes, John, there's the church and I'm quite sure this is the house!" A prim little woman in a gray gewn turned into the gate and walked briskly, in spite of the warm August oay, up 'he long brick sidewalk to the parsonage. She was collowed by a tall, erect man in a Prince Albert and sikh art who looked from side to side at the carefully mowed lawn and at the beds of pansies and mignon-"No mum yes'um po-that is." gown turned into the gate and walked briskly, in spite of the warm August oay, up 'he long brick sidewalk to the parsonage. She was tollowed by a tall, erect man in a Prince Albert and sik hat, who looked from side to side at the carefully mowed lawn and at the beds of pansies and mignom-ette near the house. She works and as they reached the door he looked down at her and smiled while she carefully arranged her gray gown and straightened her neat little straw bonnet before pulling the bell.

and straightened her neat little straw bonnet before pulling the bell. "It looks just as it used to, I do declare!" She glanced from the big brick church on one side to the com-fields on the other, which stretched away in the distance, and then up to the man who was still looking at her, and her eyes were strangely young in spite of the wrinkles about them,

in spite of the wrinkle's about them, and her checks were slightly flushed. "Are you quite sure there is time, Joh?" Don't you think we ought to hurry?" She pulled the bell again. Then turning to him, she carefully brushed a speck from his correct black cost with her loces adord hand. black coat with her lace-edged handief.

black coat with her lace-edged hand-kerchief. "Plenty of time, my dear," he answered in his deep voice; and he checks grev deeper and her eyes lowered at the 'my dear." atternoon, and hor syste latternoon, and hor syste latternoon, and hor her all atternoon, and hor at a her all atternoon, and hor at a her all atternoon, and hor at a her all took off his hat, brushing the thick iron gray hair from his forehead. "Only if we can't get this minister, we must look up the justice. I'm going to marry you to day, Methodist parson or not." He straightened up put on his hat and reached for the bell himself. "They must be home." There was

They must be home." There was "They must be home." There was an anxious tone in the little lady's voice. "It would be dreadful not to be married by a Methodist minister, when I've been a Methodist for al-most forty-five years. There I hear some one. John, John." she whis-pered in a flutter, "you sure you've set the arise?"

pered in a flutter, "you sure you've got the ring?" "Sure's shooting, Amelia. Don't you worry. I say," hurriedly, "you do the talking. You know the ways of parsons better than I do—haven't been near one for twenty-five years —not since I went with you, way back in—." "Hush!"

The door was opened by a rosy-

Thick with blossoms; June who borrows All the wealth of earth, and sorrows

Celia Myrover Robinson.

# By Joanne Gleed Strange.

in his hand. "No, mum, yes'um, no-that is, Mrs, Neal is in, mum, and I can fetch Mr. Neal for yez. Just step into the stiddy, mum. I'll call the missus," and the maid vanished down the hall, leaving the couple to look at each other and to have in

down the hall, leaving the couple to look at each, other, and to hear in a stage whisper: "Come quick, num. They wants the minister, I thinks it's a weddin' fra' the looks of "em." And when Mrs. Neal, a smilling young woman with fair hair and blue eyes, came cordially to greet them, she found a very blushing, "avrilly fussed ittle woman" as she toid man with eyes full of usinklos." standing close togethere in the ball man with eyes full of twinkles." standing close together in the hall. She took them into the study, saying she had sent the maid for her hus-band., He was at work in the garden. It was such a fine day for weeding he couldn't resist it, she told them. Wouldn't they be seated? Hadn't it been a fine summer?--she continued as they both found chairs on opsides of the room,-so cool asant. Mr. Neal had thought posite sides and pleasant. and pleasant. Mr. Neal had thought of taking them to the sensatie for August; but the baby was teething, so they decided they had better keep him home. He was asleep now. But it had been so cool they hadn't mind-ed. Did the callers live in Pleasant Valley? She thought she hadn't seen them, but then she and Mr. Neal had not lived there so very long, and didn't know every one yet. They were Ourbeer seene hat they did like were Quebec people, but they did like so much.

The little woman was becoming ss nervous, and the big man watched her as she explained how she had ed her as she explained how she had lived all her life in Norris Falls, but she had visited in Pleas-ant Valley twenty-two years ago, and had always hoped to come back some had always hoped to come back some time. She-they-were going on a trip. The place didn't seem to have they-were going on a trip. Here they-were going on a trip. Here they-were going to Montreal and then to looked quickly at the man. They are going to Montreal and then to Qubex, and thes to Halfar. They-entered the room. His keen eves looked first at the woman and then

at the man, and lastly at his wife, who rose and said to her visitors, "My husband, Mr. Neal." Mr. Neal shock hands with each of them cordially. "The sorry to bave been so long," the esplained, "but I was out in the garden when Maggie called me and was anything but presentable. It's a fine day for backed from one to the other as he looked from one to the other as he talked.

The big man admitted the fineness of the day; thought it a trifle warm; wiped his face with his handkerchief wiped his face with his handkerchief and, after glancing several times at the little woman across the room, whose eyes were fixed on him, he straightened his shoulders, looked the minister fully in the face and suid: "We called on you this after-noon because we wish to be married. I am from Denver, and we came here to be married because we referred I am from Denver, and we came here to be married because we preferred a quiet wedding, and didn't care to have every one in Norris Falls talking about it till we were well away from there.

Mr. Neal nodded gravely

mr. real nodded grawely "I have the license here;" the man tapped his breast pocket, "and we came to you because Amelia would be married by a minister of her own denomination, even if she wouldn't be married in her own town." He smilled at the gray-gowned figure on the couch. on the couch.

The minister looked at his wife and smiled and then turned again to



# 'Is-is this the parsonage?"

"Have either of you been the man. married before? You see there are some questions I must ask," he explained as they both laughed, the man throwing back his head and filling the room with his merriment, and the little lady's gaiety rippling

and the little lady's galety rippling in spite of her nervourses. "Well, I hav'n't," chuckled the man. "How shout you, Amelia?" "How foolish you are, John !" Then with dignity: "You let me talk. We aren't either of us married," she ex-plained to the minister and his wife. "We-we expected to be married some "We—we expected to be married some time ago-usents when years ago to-day-but-it was postponed." She said this simply, but she held hich her head in the little straw bonnet. "And if we don't hurry a bit we won't get that five-thirty train. It's "The minister looked at his wife. Her eyes were strangely soft, and she smiled at him.

Her eyes were strangely soft, and she smiled at him. "Perhaps Miss Chesna would like

June to, 1908

at the man, and lastly at his wife, in particular, quite as if they had

known each other for years. John got to his feet as they came into the room. The little lady had taken off her bonnet and had combed up the soft grey hair on her fore-head, and in the lace at the neck of the grey dress Mrs. Neal had pinned a pink rose. John looked at Miss Amelia so long that she hurriedly selected a red rose from the vase on the mantel and pinned it to his coat.

Mrs. Neal bustled about, lowering and raising the shades, and bringing and raising the shades, and bringing great bowls of nasturiums and sweet peas and scarlet rambler from the other rooms, and as a last touch, she sent MR. Neal, upstairs for a white fur rug to put in front of the bow window where the bride and groom were to stand. .....

It took Mis. Amelia a long time to fasten the flower in the groom's button-hole, and it was only when the little maid had been called in as a witness that the rose was pinned quite to the bride's satisfaction.

Then the groom brought out the license and placed it on the table, and with it a little red velvet box. "The ring," he explained, looking smilring," he explained, looking smil-ingly down at the grey head which barely reached his shoulder.

"Oh you want the ring service?" The minister opened the box and took out the little gold band, hand-ing it to the groom, whose fingers were not very steady just then.

were not very steady just then. "I have your names correctly?" the minister asked, "Amelia Chesna and John Wetherby? That's right, I think. Now, if you will just stand together on the rug, I'll begin." The young minister was very sol-me on he read the mericine merices

emn as he read the marriage service, and his wife thought she never had heard him give it more impressively, not even at the biggest church wednot even at the biggest church wed-dings they had ever had. The maid was eager for the responses. Her apron was still on sidewise and she had added a cap which perched coy-ly over one ear, but no one noticed her. The bride and groom were far beyond noticing anything. His voice trembled a bit on the 'IT will,' and hers was clear and tirm, but they almost dropped the ring be-tween them, making the little maid gasp and put out one hand involun-tarily. tarily.

The groom held the bride's 'hand The groom held the bride's 'and during the prayer, and atter the "Amen," he kissed her and Mrs Neal kissed her, and the minister congratulated them, and the little maid hurried from the room wiping head hurried from the room wiping "The the minister conduced a lit."

her eves on her apron sting. Then the minister produced a lit-the white and gold wedding book with forget-me-nots on the cover--their wedding present, he told them —and they signed their names in it, and Mrs. Neal signed hers and the little maid was calle? back to write "Marguerete Angeline Casey" in a large round hand, making a slant down the page.

"Marguerete Angeline Casey" in a large could hand, making a slant drage could hand, making a slant drage could hand, making a slant drage the plage. After this they had the lemonade the base tchina by Marguereto Angeline, the minister and his wife keeping up the conversation, the bride and groom content to sit slient-But here was than uve-thirty train to make, and this quiet aftermath ould not last forever. Mrs. Wether-by went to Mrs. Neal's room to put to be bonnet and groves, leaving John and the minister to settle the features and the squite the features.

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toward the brick church and drew on her gloves, while Mrs. Neal tied to-gether a large bunch of roses and pink-and- white sweet peas for the at Mrs. Neal and at the minister. at ars. Neal and at the minister, who was beginning to understand. "But Mr. Witte, the Methodist min-ister, is out of town," Mr. Neal ex-plained, " and he won't be back until next month."

pink-and- white sweet peas for the bride to carry away. "What's become of the vine on the church?" Mrs. Wetherby asked suddenly

"The vine?" queried Mrs. Neal. "Why, yes, When I was here teased the bridgroom. "Nonsense, John." the bride drew her hand away, and looked up at him. "Of course, it's all right." She smilled faintly at the minister and his wife. "Only I don't see how I could have made such a mistake in the church. I don't see." "The vine?" queried Mrs. Neal. "Why, yes. When I was here twenty-two years ago, the church was almost covered with English ivy, and now it's gone. Quert I didn't notice it when I was coming down the street. Did it die?" she asked besines tyward the window. the church. I don't see." "They say engaged people aren't really responsible," Joan said. "And I think it's pretty true, isn't it, Helen?" Mr. Neal appealed to his wife, whose lips still twitched and whose blue eyes danced. "It's to had be dimension and leaning toward the window.

"There never has been a vine, not since we've been here. Are you sure it wasn't the old frame church you sure it wasn't the old frame church you mean? This church has only been built some fourteen or fifteen years, I believe." I believe

"It's too bad to disappoint you, Mrs. Wetherby," sae said, "but really I'm glad you made the mise." it was the brick cnurch, wo years ago." Mrs. Wether-e with conviction. She stood No. twenty-two years ago." Mrs. Wether by spoke with conviction. She stood up and looked carefully from the win you, you see." She held out the bunch of roses and sweet peas and then left the room, returning with a bag of rice and a pair ot little worn shoes, as the bride and groom moved dow. Then quickly turning, she asked. breathlessly, "Why, what church is that?" toward the door. "For luck," she exclaimed, "even if a Presbyterian has started you in

church is that?" "The Presbyterian, of course." Mrs. Neal looked up from her flowers. "The Presbyterian!" repeated Mrs. Wetherby, sitting down very suddenly, her face quite white. "Are you sure it is the Presbyterian?" and in a train the sub-

net race quice write. "Are you sure it is the Pressbyterian". "Yees, certainly. Are you ill? Let, me get you some water. This heat —" Mrs. Neal hurried toward the pale little woman near the window. "Noo, No, I'm all right. It—it's the church! Where then, is the Metho-dist church?" she demanded, her eyes wide, and her hands graaping the arms of the chair. "Down two blocks, on this side of the street." Mrs. Neal reached for a fan on the dresser and held it to-ward her guest, but Mrs. Wetherby only leaned forward in her chair and exclaimed, "Can it be that your hus-band is a Presbyterian minister?" "Why, of course, didn't you know?" Mrs. Neal's ocice was full

band is a Presevierian minister?" "Why, of course, didn't you know?" Mrs. Neal's voice was full of alarm, but before she could run for some water. Mrs. Wetherby had buried her face in her hands, and was

buried her face in her hands, and was laughing most hysterically. "Oh, dear! oh, dear! Me married by a Presbyterian minister! Me married for good and all, with a ring, by a Presbyterian! Why, my dear", "ahe sat up suddenly and explained to the bewildered Mrs. Neal-"two my dear, 'yee never been inside of to the bewildered Mrs. Neat- why my dear, I've never been inside of any church in my life, scarcely, but a Methodist. Don't you see? I thought it was the Methodist church thought it was the Methodist Church and that your husband was the Meth-odist minister. Oh! it's dreadful!" and down went her face in her hands again, as Mrs. Neal broke into rip-pling laughter, leaung against the onier.

chiffonier. "What ever will John say!" The bride got to her feet and fairly ran into the study. "John Wetherby," she interrupted,

"John Wetherby," she interrupted, just as the envelope passed from Mr. Wetherby to the minister, "what do you think we've gone and done? you think we've gone and don We've been married by a Presbyteri minister. What shall we do?'' S

We've been matried by a resolution minister. What shall we do?" She laughed hysterically.-John's jolly laugh sounded even to the little maid in the nursery with the baby. "Do? Well, I guess it's legal, isn't it. even if it isn't Meth-ody, Amelia I. Suppose it'll hold, don't you?" He laughed again and hocked at the minister who was still lamp. It can be used on any lam, or removed instantly if not desired. It cost only ten cents. The shade is simply a piece of cardboard slipped into the crotch marked B where it is looked at the minister, who was still a bit puzzled, and then at Mrs. Neal in the doorway, whose face was flush-ed and whose shoulders shock. "You ought to have known a Methheld securely.

ed and whose shoulders shook. "You ought to have known a Meth-odist minister, Amelia, since you've never known any other kind it" Then, anticing the trouble in her face under the straw bonet, he took her hund and said quiety, "But if you! hund any better about it dear, ther and out of i cones detimes, devel-up the Methody man and do it over," His eyes twinkled at her and then his eyes twinkled at her and then

"Maybe we could get a Baptist," teased the bridegroom. "Nonsense, John," the bride

take, or we might never have known

The big man drew his pocketbook from his breast pocket and slipped a crisp bill into the minister's hand.

"To go in the envelope with the other." he explained briefly. "And to

my notion that was the best wedding service I ever heard. "This goes to the wife. She gets the wedding fees." And the min-ister exchanged the envelope and its contents for a handful of rice and the

T'm not so sure but that we ought

'Nonsense !" replied Mrs. Wether-

to turn it over to Mr. Witte, Mrs. Neal laughed, opening the dor for them, and following them on to the north

by. "I'm glad we came to you, and I'd do it again. I truly would. I really mean it," she called over her shoulder, as the rice and old shoes

shoulder, as the rice and old snoes were thrown after them. "And so would I," and the big man stooped for the little shoes and stuffed them into the pocket of his

Prince Albert. Then he took off his hat and waved it to the couple on

....

Eye Shade for Lamp One of the most convenient things I have about the house is a lamp shade that is simply a piece of wire bent into shape like the drawing. A shows the part that fits around the

you see.

together.

old shoes

porch

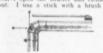
the porch.

A

She held out the

# **Easy Stovepipe Cleaning**

We use wood for fuel, and instead once a month to clean it. I had an it, I had an opening made in the elbow, with a shutter over it: When the pipe is foul I open the shutter and clean it I use a stick with a brush or



any sort of a swab. If the pipe is long a jointed rod can be used. The long a jointed rod can be used. The soot that is in the horizontal lengths can be pushed out of the end or drawn forward, so that it will drop down the perpendicular lengths. It cost me fifteen cents to have the elbow fixed in this way

# ..... Women's Institutes

In an address before the members of the Peterboro District Cheese and Butter Makers' Association, recently, Butter Makers' Association, recently Miss Rose of Guelph drew a compar ison between the homes of a century ago and those of the present day, "We, as housekeepers in our homes," she said, "should know more about she said, "should know more about good housekeeping than our grand-mothers did. You may not agree with me in that statement, but when people live crowded together, we have unsanitary conditions, poor ventila-tion, and different food problems presented. We have to cope with these questions as housekeepers and these questions as nonsexceptions and so it is more necessary that the women of the present generation have a deeper knowledge of the most im-portant subject of housekeeping. It always seems to me that when con-ditions present themselves, some-thing rises to meet these conditions even in a small way. Down at Stony Creek, in 1897, some women there got an idea that it would be nice to have Women's Institutes in con-nection with the men's institute. The men were receiving knowledge along their special lines and these women thought that it would be nice to have a women's meeting similar to the men's and so gathered together and formed the first women's institute in 1807

# THE FIRST WOMEN'S INSTITUTE

"Now, we have in Ontario, nearly 425 women's institutes as a result of one little institute in Stony ek. These institutes under the Creek. These institutes under the direct supported by the Government, and Lam free to say that I know of no one society even the missionary societies, that is doing more good than our women's institutes. These institutes start at the very founda-tion; they start at the home. What goes out of the home makes our country and if we can get our home life better, we have little fear of the country in general. That is why I contend that our women's institutes are doing more good than any other Creek. are doing more good than any other society that I know of.

# THE MEETINGS

"What do we teach our women We have our regular monthly meet-ings. The women gather together, often in the town hall or in some of the homes. There are all the way from six to 100 women and they dis-cuss all problems relating to home life. Ventilation and sanitary conditions always receive attention. Our grandmothers did not need these les-sons, because all their ventilation came through the holes in the log cabins. It would be very foolish to go and talk to such people about an go and talk to such people about an elaborate system of ventilation. They did not need it, but our well built homes, our double storm windows and other comforts that we enjoy,

make it necessary to study carefully the ventilation of our homes. The more crowled we get, the more bac-terial growth we have and this makes it necessary to dispose of all waste matter from the kitchen. Men don't Men don't rk. These think enough of this work. These subjects are thoroughly thought of at our institute meetings.

## THE FOOD PROBLEM

THE FOOD PROBLEM "We take up the food problem. We talk about balanced rations, not for the coves or pigs, but for the men. Men have been only a sec-ondary consideration. We had to have this matter all studied out for the pig and the cow and after, the government thought a little attention should be given to man. Many children are starved at tables of plenty because they plenty because they do not get proper combination of foods. Th They proper combination of foods. They are over-fed in some lines and under fed in others. They get too much sweet stuff and not enough of the protein or muscle-building foods. If you feed a lad properly, you also have a better natured child. A child does not rave so much sweets when fed in a proper manner. I often feel sorry when fed in a proper manner. I often iteel sorry for the way children are fed when I am at the table, and see them. Last summer, I was at a table and there was a little child that could not walk and the father thought that it should eat all he did. He gave it meat, potatoes, and all other heavy foods. Thus you can see the need foods. Thus you can see the need there is of having proper instruction in the care and feeding of children. This is taken up very fully at our institute meetings.

"We study the matter of proper clothing and fuel but probably the nicest feature of our work is that we get the women together. Women of all denominations meet together and in this way, there is a mutual understanding between them. "Especially in the rural districts

the institute helping the is the institute helping the women. In town, we have many other socie-ties. Our women's institutes know no caste. Any woman who pays 25 cents can be a welcome member of the women's institute. .....

# What One Woman Believes

What One Woman Believes I do not profess to be a perfect house keeper, but I do believe in making my work just as easy and delightul as possible. If I cannot afford to buy all modern convenien-ces I try and invent something that will do just as well, We have a plain little home but we seek to make it as real a home as we can \_Mrs. D. J. McClure, Peel County, Unt. 

# His Wife Must Have It

The Canadian Dairyman and Farning World is good reading. M wife must have it to read. Enclose -Walter Bowron, Hamilton, Unt. Never use hot water to rinse either

ands or utensils after preparing nions, as it sems to set the odor. Cold water in abundance will re-Cold. Cold water in move the odor



The Oanadian Dairyman and Farming World

18

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* THE COOK'S CORNER Send us in your favorite re-ublication in this column. ertaining to cooking are solle fill be replied to, as soon as fter reecipt of same. Our Co-ent free for one new yearly ion at \$1.00 each. Address, H soon as possibl Our Cook Bool 1------

# Serving the Strawberry FRITTERS

Sift 1 cup flour with 1/4 teaspool salt and I teaspoon baking powder. Beat 1 egg till light, add 1/2 cup milk and then gradually stir in the dry ingredients. Lastly add 1 cup strawingredients. Lastly add I cup straw-berries and drop by spoonsful in deep hot fat, and fry to a golden brown. Drain on paper and serve with the following sauce: Beat together I egg following sauce: Beat together I egg and  $\frac{1}{2}$  cup sugar; set bowl in a saucepan containing hot water and beat hard while adding  $\frac{1}{2}$  cup hot water. When it thickens, remove from fire, and flavor with lemon.

### STRAWBERRY FOAM

Mash 1 cup strawberries and press Mash 1 cap are least 1 cup creater through a sieve. Beat 1 cup creater until stiff. Beat the whites of 2 cggs and gradually beat into them  $\frac{1}{2}$  cup powdered sugar. Continue beating need very stiff, then fold in the statember of the strawberry and graduary lear monotony 2 cup powdered sugar. Continue beating until very stiff, then fold in the beaten cream and the strawberry juice. Serve very cold. This is an excellent summer dessert.

## STRAWBERRY SPONGE

Mash 1 pt strawberries and press through sieve. Cover 1 oz. clear granulated gelatine with 1 cup cold water and let stand 20 minutes. granulated gelatine with 1 cup cold water and let stand 20 minutes. Simmer to minutes 1 cup sugar and 1 cup water, then add the gelatine, stir, remove from fre, cool, and then beat until it begins to thicken. Add the strawberry juice and beat again, then add I teaspoon lemon extract, and set away to become firm.

# STRAWBERRY SALAD

This is a dessert sadad, and is agreeable to all who like a touch of novelty. Hull 1 pt strawberries, sprin-kle with 4 tablespoons sugar, pour over 2 tablespoons longre juice and 1 tablespoon lemon juice. Stand on ice till chilled, and serve with wafers. ice till chilled, and serve with wafers. Currant jucc. vanila syrup, or an equal bulk of raspberries, make de-lightful additions to this salad, and it is delicious served in scooped out oranges, the orange pulp being cut small and mixed with the berries.— Essie E. Bell, -York County, Ont.

# An Ideal Cooker

ooker needs a steady

The Canadian Dairyman and Farming World

It is made of copper, and not like the tin cookers which rust out in a short time. There are five disks, or the tin council short time. There are five dises, layers, in it, making five compart-ments. The cooker I have is a round ments. The cooker I have is a round one, but I think I would get a square one were I buying another. I have seen a picture of one and think it would be an improvement on the round one.

# HOW IT COOKS

The meat cooks beautifully in this cooker. Last summer many of our neighbors complained of their beef being tough. We bought from the being tough. butchers, and their was no fault found with our meat. It always comes out of the cooker tender and juicy, and the soup stock is excel-lent. Potatoes and all other vege-tables also cook perfectly, and no odors escape

We have a large family party every Christmas-about 25 in all. the turkey in my steam cooker, then lift it out and brown it in the oven. lift it out and brown it in the oven. The plum pudding is always a success when cooked in this vay. For thresh-ing days, and all kinds of "bees," my stove is not filled up with count-less pots and pans; instead, it holds just this one big shining vessel and the ten kettbig the tea kettle

The Ideal Steam Cooker might not ait the more fastidious house keepsuit the more fastidious house we per er. One would think that the odors er. I'd mix and spoil the different er. One would think that the odors would mix and spoil the different dishes. I have cooked onions and steam pudding at the same time, and one does not spoil the other.

one does not spoil the other. This cooker cost me \$8, and is worth many times the price in my home.—Mrs. D. J. McClure, Peel Co.,

### Our New Cook Book

User New Cook Dook We have purchased at a greatly re-duced price, a valuable and reliable Cook Book, which we are able to offer to our readers as a premium for the securing of one new yearly sub-scription for this paper at \$1 each. This Cook Book is nicely bound, and contains several hundred reliable and tested recipes, and much additional information regarding the various processes of cooking. It is a book well worth the efforts of every housewife to secure. Send your new sub-scriptions, for money for same, to the Household Editor.

### . . .

Turnips boiled in jackets like beets are much better than if pared. Add-





# A Croquet Set Free

Nearly every boy and girl in the country is fond of playing croquet, country is fond of playing crouses, and most of the young folks have a good lawn where they can spread a or of wickets for playing. To each good lawn where they can be ach set of wickets for playing. To each boy or girl who will send us two subscriptions for our boy or girl who will send us two new yearly subscriptions for our paper, we will send a nice croquet set. This set has 4 balls. We can send a set with 6 balls for three new subscriptions. These subscriptions subscriptions. These subscriptions must be taken at \$1 a year. Send us the money with names and addresses and the croquet set will be sent you at once.

Address your letters to the House-Address your letters to the House-hold Editor, and get to work soon. Summer is here now, and it is just the time when you want to play croquet, during the long summer evenings. Write us for lists of other

# . . . .

# A Good Record

We are pleased to present to our



3



# A Young Driver and His Team.

writes as follows: "I enclose \$1 to renew my subscription to The Can-adian Dairyman and Farming World. I also enclose a picture of an old team I have, which is 27 years old and my little boy two and a half years old, holding the lines. The wood on the wagon was cut from a tree about 25 years old." tree about 250 years o

# The Summer Boarder

Farmer Sacks.—Here's a letter ask a' about board for the summer, an in wantin' to know is thar a bath in the



What'll I tell 'em, M'randy? His Wife .- Tell 'em the truth. 'em if they need a bath we'd advise 'em to take it afore they come.

writes as follows: "I enclose \$1 to gentle dames reveled in them, and renew my subscription to The Can-adian Dairyman and Farming World. I also enclose a picture of an old cooks and rigid house-wives of fragrant homes

### THE USES OF HERBS

Between the herbs which one has gathered and dried oneself and th bought in packages, there is the wid-est possible difference.

Let one have a garden and become accustomed to the fresh herbs and the bought ones will cease to be inviting. Besides, when a turkey is to grace the Besides, when a turkey is to grace the festal board, the herbs for seasoning are always there. The garden sup-plies the summer savory, sweet marjoram, thyme-English or French marjoram, thyme—English or French —as well as parsley. If a goose is the order of the day the sage and onions are ready at the door. There is never any scurrying round to find mint to make sauce for the roast lamb. It is always to be had for

There are other herbs, too-tar-ragon, dill, coriander, sweet fennel,

# BIC BOOK BARCAINS

| 150 Bongs, with music                 |      |
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# June 10, 1008

Kingston, Ontario.



Value of Home-Grown Herbs By M. M. Sproull. Near where the roses grow and not far from the kitchen door of a Long Island, N.Y., home, is a tiny plot of ground known as "Mother's Gar-

den." This piece of ground is only four feet square but the pleasure

rosemary, and, last but not least, lavender, that sweetest of all herbs. ATTENTION REQUIRED

ATTENTION REQUIRED This garden though small, de-mands a certain amount of attention. The mother at whose request the herbs were planted, "owever, gives but little thought to their care until they are in bud and almost ready to blossom. Then she has a busy day before her. Taking a pair of scis-sors and a large tray, she repairs to the garden, and spends most of the morning cutting, the keeks and lasing the garden, and spends most of the morning cutting the herbs and laying them in separate piles on the tray. This done, she takes them into the house where they are bunched, ited by the stems, and hung up to dry. The lavender is treated in quite a

The lavender is treated in quite a different manner from the other herbs. This is laid, while rresh, with the heads of the blossoms all evenly together and tied firmly just below the flowers. The stems are next turned back over the blossoms so as to completely cover them and the acciming forming a small oregen tied again, forming a small, green ball and leaving the stem ends for a handle: By way of decoration, small bow of lavender satin ribb is sometimes tied around the stem ends.

IN FLORENTINE FASHION

The lavender, when bunched in this way, assumes very much the form of one of the balls over which stockings are sometimes slipped to

facilitate darning. This is the shape in which the Florentines tie their lavender and it is a very advantageous method, for is a very advantageous method, for while the sprigs thus bunched retain their fragrance almost indefinitely, the covering formed by the stems pre-vents the dried blossoms falling and

The other herbs, when thoroughly dried, are slipped head first into paper bags, the open ends of which are twisted tight around the stems and tied.

There are many of these bags and on each one is made a note stating its contents, and for whom it is intended. First, there are those for home use, but there are plenty more. Here is one for the little woman who took but home a root of sage, hoping it might grow in her city yard. Another is marked for a young friend who, hav-ing lived until recently in the country, complains that her city grocer can supply her with no herbs except packed ones, which smell as though they had come out of a mummy case. So "Mother's Garden," though so

So "Mother's Garden," though so very small, is a source of pleasure to her friends as well as to herself and all the members of her household.

DOUBLE TRUSS

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Description of THE BABY OUTFIT.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Asked and Answered Readers are asked to send any questions they desire to this column. The elder will also reply a vickity and as fully as space annalian Dariyman and Parming Word, Peterboro, Ont.

The Canadian Dairyman and Farming World

\*\*\*\*\*\*\*\*\* **Keeeeeeeeeeeeeeeeeeee**eeeee

How can two cheesemakers board themselves n a cheese factory during the coming summer o that the cost will not be great?-An nquirer, Ont.

It would be considerable more sat-isfactory, and almost as chargh to tes-cure rooms and board at some pri-vate house in the vicinity of factory. Good board should be obtained for about \$3 a week. In a frame fac-tory it might be possible to fit up a room that would serve as a bed-room on living room for a single maker. Getting his own meals, etc., however, would be most unsatifac-torom on living room for a single maker. Getting his own meals, etc., however, would be most unsatifac-ter the state of the same set of the however, would be most unsatifac-ter the same set of the same set of the would be the test of the same board would be theter to secure board with a neighboring family.-G. H. C.

# . . .

Kindly advise how to take mildew stains out flinen, caused by water leaking through a ardiniere i-A Quebec Housekeeper.

Javelle water will be found to be effectual. If necessary, use it undieffectual. If necessary, use it undi-luted but preferably add water.

.... What is the best time to plant out hyacinths that have blossomed once in the house I-Jessie Burns, York County, Ont.

Ont. For a reply to your question, read the article on page 11, in our May 27th issue. We might state further that there is nothing better for getting rid of ants than bisulphide carbon. Pour a quantity ting fid of alts than observations of a carbon. Pour a quantity into each of the openings of the disks or hill, closing them up by stepping on each as it is treated. The fumes will penetrate the chambers in every direction, and if a sufficient amount has been used, will kill not only all the adults, but all larve as well. A treated subjection is usually all that

single application is usually all that is necessary; but in a very large colis necessary; but in a very large co-ony it may sometimes happen that the farther chambers are not reach-ed by the fumes, and that the nest reappears near by—rarely in the old spot. When that occurs a second treatment is tolerably certain to be affactive effective. It has been recommended that,

It has been recommended that, to get the best results, holes, be poked with a stick into different parts of the hill, but I have not found this of any great advantage. It las also been recommended that, after pour-ing a considerable quantity—say three or four ounces—into the main three or four ounces—into the main opening of the nest, the vapor be exploded by means of a match held at the end of a stick. Whoever at-tempts this, however, must remem-ber that the vapor of the bisulphide

FREE



SINGLE BREASTED JACKET 5930

FED JACKET 5939 The jacket made with seams to the shoulders is fashion-able and becoming. It makes fitting a simple matter and consequently is much to be desired. This one can be finished either with or with-out the collar. The either with or with-out the collar. The seams are concealed by the trimming and the neck can be fin-ished either with the collar or with trim

10

ming. The quantity of material required for material required for the medium size is 4% yd as 7, 2% yd as 4 with 5 yds of braid. The pattern is in sizes for a 34, 36, 38, 4 Gand 42 in bust measure and will be malled for 10 cents.

MISSES' PRINCESS DRESS 5914

Princess dresses are as well like? for young girls as for their elders and this one with sloey. es cut in one with sleev-es cut in one with the gown is one of the latest. Almost all seasonable ma-terials are approterials are appro-priate for the dress while the chemiswhile the chemia-ette and cuffs can be of any con-trasting material. The dress is made with a foundation lining over which the blouse and sleeves are arrange-

the source of th

The pattern is cut in sizes for girls of 14 and 16 yrs and will be mailed for 10



waiste are always needed. This waist is made with tucked fronts and plain back and and plain back and is finished with a box plait. The elevess are 'moderately full. Quantity of ma-terial required for medium size is 4 yds 21 or 24, 35', yds 32 or 35', yds 44 in wide. The pattern is in sizes for 34, 35, 35, 46, and will bin malled for 10 ots.



BLOUSE OR SHIRT WAIST 5960 Plain shirt wa

The long waisted or French dress is so very generally becom-ing to little children. The little dress is sim-The little dress is simple and can be made either with or with-out body lining. Material required for medium size (4 yrs) is 2%, yia 27 or 28 or 2 3%, yia 4 in wide with 5% yd 87 in for the col-ing, 15%, yia 6 do and 3% of 10 or the ordering. The pattern least for griefs 2, 4, and 6 yrs of age, and will be malled on re-espt of 10 cents.



toall

Date

required with 21 yds. of embroidery. No. 6 illustrates the best possible style of angue may can consider the optimizer many rates in the structure matternal structure with the structure of the structure stru

This premium WILL NOT BE SOLD separately. You can secure it only on the conditions outlined above.

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Address-THE CANADIAN DAIRYMAN AND FARMING WORLD, Peterboro, Ont. Enclosed please find \$1.00 to pay for Subscription to the Canadian Dairy-man and Farming World for one year, to include as premium the Baby Ward-robe Patterns described above.

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activity designed of the BAST with the set of the set o

which with highlics of historican and Highlics. Sequence, how a prefysible like loss with a sequence of the sequence of the

# A NEW DANISH INVENTION IN SEPARATORS

Has been Introduced in Canada Recently and done Excellent Work Under Test. It's Principles Described.

separators that is being introduced in Canada. It has been tested at the Manitoba Agricultural College and shown to a number of our leading Ca-

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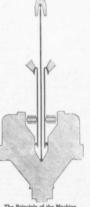
Section of the New "Perfect" Hand Separate

nadian dairy authorities, and is creat-

ing great interest. It is common knowledge that one of It is common knowledge that one of the principal dawbacks connected with all separator systems hitherto in use is their great deliaeqs with regard to the balance of the cylinder. A sliptt shifting of the bowl insertion, casual layers of milk mucus in the bowl a coreless transforment of assue bowl, a careless treatment of same or its various parts, etc., etc., is bowl, a careless treatment of same or its various parts, etc., etc., is quite sufficient to put it out of bal-ance so it gradually begins to shake so violently in the frame that at last it cannot work any longer, but has to be sent to the factory in order to be robalanced. rebalanced.

That the user under these circum stances, besides having to meet cost of repairs, is caused loss cost of repairs, is caused loss by the deficient clean skimming and the greater wear and tear of the moving parts, which is a natural consequence of the disturbed balance of the cylin-

der, is notorious. Moreover, there is to all existing separators with plate-insertions the objection, that the user also, with



The Principle of the Machine Fig. 2.

regard to the balance always has to place the bowl's feeding tube and the plates in a certain fixed order, if the machine is to work at all, which is a waste of time, and tedious, and there fore unpractical and expensive. The construction of the cylinder it-Therefore, the fact that they need no self comprises many important nov- It is de

Much interest is being manifested longer to be troubled with those conin a new Danish invention in cream siderable drawbacks and the costs separators that is being introduced occasioned by same deserves the atin Canada. It has been tested at the tention of all dairy-works—large as well as small

The engineer director, Ivar Knud-sen, candidates polytechicum of Bur-meister & Wain, Ltd., Copenhagen, has succeeded in inventing a separhas succeeded in inventing a separ-ator, which is in every sense of the word self balancing, and which has, accordingly, done away with all the above mentioned and all other defi-ciences characterizing the other ays-tems. This new ingenions invention marks a new epoch in the develop-ment of the separator. Our dairymen bave, consequently, every reason to make the acquaintance of this separ-ator. An account of the particulars of the construction and the advantag-es conformed on dairying through the es conferred on dairying through this



The New "Perfect" Hand-Separator Mounted on Stand

new skimming machine is here given.

new skimming machine is here given. A New Feature. The chief principle and novelty of Measrs. Burneister & Wain's separ-ator is that the suspension of the cylinder (which is without a fixed shaft) is placed a considerable dis-tance above the centre of gravity, while a small supporting bearing re-places the weach dwaring remails can. places the neck-bearing usually em-ployed is placed in the centre of the cylinder (See fig. 2, which roughthe cylinder (See fig. 2, which rough-ly illustrates the principle of the ma-chine). The cylinder is loosely sus-pended on the end of an upright standing axle, which is likewise loose-ly connected with the worm, and thus the cylinder rests upon its bottom step. At the centre of gravity the cylinder is, as already mentioned, supported by a little ball train (with 6 balls), which transfers the oscilla-tion to a tube, supported by a fir 6 balls), which transfers the oscilla-tion to a tube, supported by a fric-tion plate, sandwiched between two other plates. This friction plate caus-es that even when the cylinder gives the tube an oscillation. Unis gives no reaction, as the tube does not move without impulse from the cylinder. It will be understood from the fore-going, that the bowl can thus freely occupy any position and, therefore, remain perfectly unaffected by even a very considerable side-heavines. By way of experiment a power-sep-

a very considerable side-heavines. By way of experiment a power-sep-arator has, for instance, been put at the speed of 6,800 revolutions a min-ute with about 125 grams placed on the one side of the bowl, without the least vestige of shaking of the frame being experimenced, which must be con-sidered exceptionally good. **Other Novelties** The construction of the cylinder it-sall comprises many important nov-

edites. Thus there are no tubes, which is the results of the tests, especially ble to clean, but open, and accord, where cold milk was used, have reached a degree that anything like is parator will be shown at the Calcelaning. The plates and fexing gary and Toro to exhibitions this because they are hold, as in the case with other plate-separators, to be placed in a certain order, and the are exceedingly, but may be imperted in any way. The plates are, and the the reaction of the may be the other separator may be summed up as the separator will be shown at the Calcelaning. The plates and fexing year.-Advt. **Stock Car going West** Inserted in any way. The plates are, the separator may be summed up as the separator may be summed up as

follows:-1. The cylinder is self-balancing, and remedies every side-heaviness it-self, and has, accordingly, never to be rebalanced, and saves the user from the expense and stoppage of work caused thereby, which are so often caused thereby, which are a necessary with other systems.

2. Feeding pipe plates are inserted in any order (the plates being unnum-bered), and may be kept in stock as spare parts (which is also the case

spare parts (which is also the case with other parts of the cylinder). 3. The working is exceptionally smooth, as the friction on the moving parts has been reduced to quite a minimum on acount of the self-bal-ancing qualities of the cylinder. 4. The wear is, accordingly, in-finitesimal. The consumption of pow-er is exceedingly small; by a 600-bs. hand separator, for instance; about 0.06 h.p. equal to 4.5 kilogrammeters per 200 bbs. milk, which is an exceptional. only, i.e., but 1.5 Knogrammer 200 lbs. milk, which is an exceptional result

consumption of oil 5. The small, that the hand separators for smail, that the finand separators for a couple of hours' work requires only 2-3 drops of oil for the direct lubri-cation of the cylinder, while the pow-er-separators' lubrication for the same purpose, and holding 2-3c oil, need be filled only once a month.

That the clean-skimming, when so many factors tend to its perfection, must be the best obtainable is a mat-A circumstance of ter ter of course. A circumstance of special interest, which alone is suffi-cient to illustrate the particularly fine clean-skimming capacity of this sep-arator, is that it is able to clean-skim cold milk. This was one of the special objects in view when the maof course. chine was designed. This separator is considered the best

This separator is considered the best skimming machine ever produced. The foregoing mentioned advantages meet a long lasting desideratum and make it a most valuable and very interesting novely in the Dairy Ma-chinery line. It has been tested at several places both in United States ard Canada, such as at the Univer-sity of Wisconsin, Mailson, U.S.A., Michigan Experimental Agricultural College, Lansing, Mich., at Ontario Agricultural College, Guelph, Ont., Central Experiment Agricultural Col-

WESTERN BRANCH:

WINNIPEG, MAN, sirable to mention

June 10, 1008

Stock Car going year In our last week's issue, mention was made that the association car of pure bred stock was expected to leave for the West about Weanesday, June tyth. After we had gone to press, we received outice from the direc-that their arrangements had been changed and that the car would leave a week earlier. a week earlier.

"Essentials in road-making: make the bottom, see that it is tile-drained if necessary, then make the ditches and then have a uniform drop to the ditches."—Commissioner A. W. Campbell, Toronto.



The "Success" has the largest rea-kle and strongest drive-chain of an preader made. It is the only machine ith Beater freeing-device and man ther points covered by strong patents ure catalogue tells all about it and give nuch valuable information for armers. Write for it. MANUFACTURED BY

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PARIS, ONTARIO.

The Canadian Dairyman and Farming World

MARKET REVIEW AND FORECAST 

# At the end of the day

"You can shoot SOVEREIGN shells all day and at the end not realize that you have been shootthat you have been shoot-ing, as the recoil is so alight," said an expert shot the other day. They have small breech and barrel pressure and give off no of-fensive gases, because loaded with Empire smokeless powder.

For all makes of arms. Costs e-third to one-fifth less than duty ying ammunition. Our guaran-puts all risk on the Dominion artridge Co., Ltd., Montreal.

DOMINION AMMUNITION

# HOLSTEINS

We must sell at least 25 cows and hear lens at once, to make room for the natural increase of our herd. This is a chance of a lifetime to get a good bargnin; we also have a few young bulk. Pontlat Hermes, Hup, son of Headerveld DeKol world's greatest sire, head of hord. Come and see them.

H. E. GEORGE

CRAMPTON, ONT. Putnam Stn., 1% miles-C.P.R. E-tl

BROOKLAND HOLSTEINS.

FOR SALE\_Two bull calves, sired by the grandly bred imported bull Manor Korndyke Wayne, whose dam and sire's two dams average 500 lbs. 14 ozs. of mila and 24 lbs. It ozs. of buller in 7 days. Their dams are also imported coss of high class breeding. For full particulars write

J. W. McCORMICK Morewood E-6-24-0

Dundas Co., Ont.

# NEIL SANGSTER

ORMSTOWN, QUE. Breeders of Holstein-Fresian cattle of high-class merit. Young stock of both sexes for sale. Write for prices Rr

### SUNNYDALE HOLSTEINS

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SUNNYDALE HOLSTEINS Keyes Cont DeKO (1502), also bull calves by such noted aires as Keyes Count DeKol (dams record 13,44 lbs. milk, in Distehland Sir Hengervel Maspleroft, with 71 half sisters in official record; also from officially tested dams. Prices right. A. D. POMPTER. E4-28-09. Histomield. Ont.

SPRING BROOK HÖLSTEIN AND TAM-WORTH-S young sows in farrow to Imp-"Knowle King David," I boars ready for service, Spring litters by Imp. boar. Offerings in Holsteins: 1 bull, 12 mos., ball calves, and a few females. "My Motte. "Quality." Motto,

"Quality." A. C. HALLMAN, Breslan, Waterloo Co., Ont. -5-11-09

IOLSTEIN BULL FOR SALE, 5 years old, two cows and two yearling bulls. One Tamworth sow. Write for particulars. SAMUEL LEMON, Lynden, Ont. 0-400

There is the second se

# COARSE GRAINS

COABSE GRAINS The oat market is assire and lower. No Canadian are being exported, and losal trade is depended on. At Montreal things are quiet and the market easier, prices ranging from 6%/c to 5% on the data ty. Manitoba rejected are quoted at 46 to 46% or bushel. Here quotations are 446 to 46% or outside and 526 to 556 on the farm-outside. At Montreal maling barley sells at 65 to 660 a bushel. The pea market is firm. Quotations here are 50 to 150 out-side and over \$1.08 a bushel at Montreal. FEEDS

COASE GRANS
The cat market is easier and lover. Notes that the provide that the second is the second i

EGGS AND POLLIKY Receipts of eggs are increasing and there a tendency toward lower values, though notations show little change from those f a week ago. East of Toronto last week ealers were paying 15% and 16c in West-rn Ontario. Straight gathered stock are foring at Montreal ut 16c a dosen. New rn Ontario. ern Ontario. Miraight gähnered stoen äre offering at Montreal at 16 ke a dozen. New laid sell here at 17 to 17% in a jobbing way. On Toronio farmers' marker men laid sell at 18 to 20 a dozin. Chikens sell at 18 to 20 a dozin. Chikens at 26 to 26% for a borni för and tur-keys at 25 to 2 a autor.

# FRUIT

FRUT The indications are for an all round big fruit erop this season. In the Niag-ara section peach orchards give promise d'a big yield. A gentleman from that district told the writer last week a full blower peach there will be a good erop. The same may be said of other fruits Apple orchards all over the country show a spiendid bloom and this erop will like by a constant of the same set of the grant of 1997 and will be a little more east tous this season. DAIRY PRODUCTS Baceiguts of theses they considerable in-

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21

BIONETUNOFI SILON FARM Harold M. Morgan, prop. Ste Anne de Bellerue. Cholee young Ayrabire Buils and Helfers for sale. Yorkshire plus from March litters. Largebans, February and March litters. Largebans, February and March litters. Largebans, February and March litters. Largebans, Bigh-et quality. Write for prices. E. W. Bjørkeland, Mg.

THE SUNNY SIDE HEREFORDS ..FOR SALE—A choice herd of 10 helfers and 8 bulls, from 10 to 24 months old, at bargain prices; also a few cows with calf by side, and bred again, can be spared. E-9-25 M. H. O'NEIL, Southgate P.O. Lucan Stn.

THE HOMESTEAD HERD OF ABERDEEN AMOUS CATTLE. Present offerings: B pion, also cows and heifers of the choic-est breeding. Must be sold to make room, at price that will eurprize you. B-H Schrightlic. Ont. Schrightlich. Ont.

THE-

Salem Herd of Shorthorns is headed by the champion Gilt Victor (Imp.) Cattle of all ages for sale.

J. A. WATT 0.9-15 ELORA STA, G.T.R. & C.P.B. SALEM P.O.

STONEYCROFT STOCK FARM

There are more settled conditions in the wool trade and more regular quota-tions are available. At country points dealers are quoted 7c a lb. for unwashed coarse fleece: So for fine, and 12c to 13e for washed.

# UNION STOCK YARDS HORSE

THIS WEEK'S HOG PRICES rop of 1907 and will be a little more can blarky PRODUCTS Receipts of cheese show considerable in rease. They are atill behind these of a rong local packers for hogs and not to



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# The Canadian Dairyman and Farming World

June 10, 1908



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seriously. Early in the week trade

wary merionally. Early in the week trade was a litted traggy on this account. The export demand for choice, well-in-lished steers good. Steers of prime quality sold during the week at rown reach to 56.5 a cert. Medium export-rown the first of 56.5 m cert. Medium export-tors that account hults at \$4.50 to \$5.55 a cet, and export hults at \$4.50 to \$5.55 and cet, and export hults at \$4.56 to \$5.55 and cet, and export hults at \$4.56 to \$5.55 and cet, and cet,

a owt. Prime lots of butchers' cattle sold at \$5.70 to \$5.90: loads of good cattle at \$5.30 to \$5.60: medium, \$5 to \$5.25; common, \$4.60 to \$4.90; cows, \$3.50 to \$4.75; and canners, \$2 to \$5 commons, \$3.50 to \$4.75; and canners, to \$3 a cwt.

to  $44.50^\circ$  cows, 81.50 to  $84.75^\circ$ , and canners. Et to 83 a cut, to  $48.75^\circ$ , and canners. The matter for resonance a short-term The matter for resonance a short-term term of the short of the short of the short of the short change. They are good steres, 100 to 100 lbs, 84.55 to  $84.75^\circ$ ; good steres, 900to 900 lbs, 84.55 to  $84.75^\circ$ ; good steres, 900to 900 lbs, 84.55 to  $84.75^\circ$ ; good steres, 900to 900 lbs, 84.55 to  $84.75^\circ$ ; good steres, 900to 900 lbs, 84.55 to  $84.75^\circ$ ; good steres, 800 900 to 900 lbs, each, 83 to 83.53 a cut. Sheep and lambs are casier and prices are lower. They sold lamt week at 84.50to 85 to 84.55, for  $84.55^\circ$ , good  $84.55^\circ$ , for lings. Choice grain for yrapping lambs sold at 83 to 456 each. Trade at the linflato mar-ket has been slow also. Quotations there wherher,  $84.75^\circ$  for  $4500^\circ$  ever. The hog market ruled steady at last weeks quotations which were  $85.75^\circ$  foh. watered. Torout, for select and  $85.75^\circ$  foh.

week's quotations which were \$575 f.o.b. at country points and \$200 a cwt. fed and watered. Toronto, for selects, and \$575 for lights. At country points the quotations are the same for both kinds, the drov-ews making no distinction when buying. Thirtheat is a seremedied. When no di-send faits there is no indivests and lights and faits there is no indivests. and fast there is no inducement for the stand fast there is no inducement for the the packers ary the we have or the kind the packers ary the we have the kind bacon trade. It is to the credit of our farmers, however, that notwithstanding this lack of discrimination in buying the quality keeps up to the high level it does. There have been few complaints from packers recently regarding the quality of er is keeping up his end to far as the quality is concerned and should receive more encouragement from the buyer. If hogs were sold and marketed in open competition the samo as horses, cattle and should be the same of the same o and fats there is no inducement for

# EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE Montreal, Sat. June 6th.—There has been more doing in cheese this week, and as a consequence the market is closing with provide the second second second second provide the second second second second provide second sear at about 19%, but on the week. Prices at country points this week opened sear at about 19%, but on the second second second second second rubbed up to 11%, and this second to have set the pace for all the other boards on the same day and during the balance of the week, and in some cases as high cheese selling at over 10.

choses selling at over 16. The receipts are increasing steadily, though the quantity is still behind hat year. Shipments this week howed a decid-tion of the state of the state of the state the state of the state of the state of the left over for shipment next week. Every, thing points to a steady market for a few days, but with increasing receipts we should have easier prices by the end of next week unless there is a further in-side, which is not considered likely as present prices. present prices.

The butter market is firm with a good lemand for local trade for immediate consumption and also for speculative purconsumption and also for speculative pur-poses. We have also experienced a demand from England for export, and several hirthy packages were aligned this week, should have a good demand from Eng-land for our butter, but it is still too high to brir; them on to any extent. There are most situation to any extent there are provided by the situation at the beginning of the week, this ad-vance, however, is not likely to be main-tained in the face of the rapidly in-creasing receipts.

# MONTREAL HOG MARKET

MORTHEAL FOG MARKET Mortreal, Sat, June (th.-The market here for live hogs is practically unchang-ed from last week. Supplese coming in have been fairly large and we have ex-perienced a good demand for them from all sources, and sales for selected lots weighted off care. So to 86.75 a 100 Hbs. "Therm is a weed tred delow also its off.

There is a good trade doing also in dressed hogs, and fresh killed abbatoir stock is selling freely at \$9.25 to \$9.50 a 100 Iba.

## GOSSIP

# A SPLENDID SHORTHORN SALE

A SPLENDID SHORTHORN SALE The sale of Shorthorns held by John Dryden & Son, Brookin, Ont., on June Sh was a successful one. The quality of the offering was the best both in individual merit and in breeding. The animals were presented to the buyer in Al shape. It would be surprising if this were not the case. All the live stock at Maple Shade are always kept in fine condition at all seasons. Messrs. Dryden & Son can set An animal in their care peth every op-portunity to do its best. They know good

HEAD OFFICE:



# AUTHORIZED CAPITAL, \$2,000,0000.00

Special attention given to the business of Farmers, Cattle Dealers, also the accounts of Cheese Factories and Creameries. Sales Notes discounted. Money Orders issued payable at any banking town. Farmers Notes discounted. Money loaned for grass or stallfeeding cattle. Municipal and school section accounts received on favourable terms.

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Deposits of One Dollar and Upwards received and interest compounded 4 times a year.

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You shake down the ashes -not the coal-in the "Hecla" Furnace There are Each four one can grate bars be in the shaken "Hecla' separately.

You don't have to shake the whole fire to get out the ashes around the edges of the firepot. You don't shake down a lot of good coal with the ashes.

You don't have to use a poker at all.

The "Hecla" Triangular Bar Grate allows you to shake just the part of the fire where the ashes are, without disturbing the rest of the coals.

Naturally, one grate is easier to shake, than four all geared That is why people find the HECLA "no trouble together. to look after."

Fused Joints -- a patented "Hecla" feature-keep the house free of gas, smoke and dust.

Write for free copy of our new catalogue which describes these and other special features.

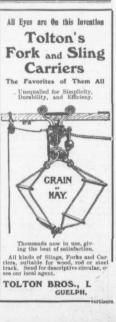
# Clare Bros. & Co. Limited, Preston, Ont.

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

Shorthorns and how to feed and fit the Nothing is overdone, and here is whe the skill of the breeder and feeder On the whole it was one of the most

successful shorthorn sales ever held is Canada and averaged up well with the big sales of the United States. Severa Several of the animals would have brought much higher prices there but the sale average ranks high. The forty-four animals aver-aged \$215.60 each. Only one animal, a ared \$15.60 each. Only one animal, a young bull, was withdrawn, which speaks well for the demand for good Shorthorns and the straightforwarf manner in which the sale was conducted. It is graitfying to know that all the high-priced ones did not go out of Canada.

BELVOR'S HERD TO BE SCATTERED. The Belvoir herd of Shorthorn which indvertised in this issue to be dispersed are stabilised in this functions to be dispersed in a set of the stability of the stability of the property of the stability of the stability of the property of the stability of the stab BELVOIR'S HERD TO BE SCATTERED



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# Httesttletessessessesses COUNTRY NOTES AND PRICES

# Reseeseseseseseseseses

KINGS COUNTY, NOVA SCOTIA KINGS COUNTY, NOVA SCOTIA Just before cows sent to pasture but-ter rose to 26 and 26, but has now dropped to 25c. Eggs are 166 with prom-ise to rise. Seed oats 55c to 870 or chard fertiliser \$30 ton. Potato fertiliser from \$1.45 to \$1.56. Greewers any that it pays to give the extra money for fer-tiliners.

tillners. The warm weather and showern have hastened germination and seeds of all kinds are coming up well. The orchards and meadows are also in a very promis-ing condition. Farmers are busy in the takes are up and the main crop, lo-gether with corn, beans, etc., are now being planted. Prise growers claim that beter pumphies can be obtained by swing as late as July 4th, thus avoid-ing the bette post-Emuin Watts.

# FOR SALE AND WANT ADVERTISING

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nsertion in issue of the following week. NO BLACK-FACED TYPE or display of any kind will be allowed under this head, thus making a small advertisement as noticeable as large one.

FARMS FOR SALE

FARMAS FOR SALE FARMAN, SAMA, NARA GULLPH--ICO acres good wheat hand, clay loam soli-about \$480 worth hardwood timber still on farm-good sugar bush, first class weeder block, large conficients frame house, § rome with pantry, also large summer kitchen, good stone cellar; con-good roads everywhere; 10 miles to On-tario Agri. College, Quejh. Reason for selling; compelied to give up farm-particulars write to Box M. Canadian Darryman and Farming World, Peter-boro.

<u>boro</u>. ONE of the most up-to-date stock or grain farms in Western Ontario, 200 acres, good barns, silo, windmill, two deep wells, water first class, piped to all buildings, two houses, briek and frame, apple and peach orchards. Hox 55, Ca-peterhov.

FOR SALE .-- Three quarters section, good rolling wheat land, mostly wooded, with light popiar, good water; eight miles from town of five elevators, main line Canadian Pacific Railway; 88.50 per acre; one half cash, balance to suit. Box D, Canadian Dairyman and Farming World,

310 ACRES good farming land, well wat-ered, two miles from school; six miles from Dryden, Ont Barn, 28X5; house, 18X2; kitchen, 10x12; 50 acres under out-tivation; 82.000; case; terms. For particu-lars write Box 56, Canadian, Dalryman and Farming World, Peterboro.

### MISCELLANEOUS ADVERTISEMENTS

WANTED-Persons to grow mushrooms for us at home; wasto space in cellar; gar-den or farm, can be made to yield ff-teen to twenty-five dollars per week. Sond stamp for illustrated booklet and full particulars. Montreal Supply 6640 Montreal.

BOILTMAL 05.00 GRAFTON HANDY STANCHIOSS AND FRAMES. Patented 1990, The bort, changest for the standard standard standard provide the standard standard standard standard provide standard standard standard standard provide standard standard standard standard standard naving of tune, saves it so sort assumption naving of tune, saves it so sort assumption to harde so the standard st

at. Charles. Ont. noval traffoo. Solution of the second s

# NORFOLK COUNTY.

NORFOLK COUNTY. Courtind—Pastures are in great could. tion. Crops are growing rapidly. weather is ideal for the growing of farm errors. The outlook for the farmer was never better at this assance of the year. Corn that was planted a week ago is up the outlook of the farmer was the outlook for the growing of farm a corn the planted a week ago is up reg saining in flesh very fast and the flow of milk is increasing proportionate flow of milk is increasing proportionate the outlook for the farmer was the seeded with good chances the starting but the past week has plowed up. The pastrues and marker with good chances the starting but the past week has plowed up.

pras. Sfc: fresh eggs. Ide to 16 a dua, then fine and varm and they are com-centurely butter. Size it, control cheme, in g on rapidly now.-Ramby Wilson. 10%: white. Sfc: polators, Soc to Soc but, imlich covers, Sizo to Soc carb, spring-ers, Sizo to Soc; carbe, S5; hogs, S5; 5; 5; 6; a dual to polators, Soc Sci acut, Lw.-W. A. B.

remainery butter, 20e a Di, colored ences, Di5;: with: Offse potates, 60e to 60e a bai, milch cows, 850 to 860 each, aprine-ers, 850 to 660 each, aprine-ers, 850 to 660 each, aprine-tage and a second second second second second second CHARTE COUNTY, N.B. Beeding has been about ten days later principal crops and a considerable grind pair continues now, the usual acroage will be seeded with good chances The pastures and meadows have been The pastures and meadows have been the bast of the first second second second second second to be kept in as long as such. Fail the second second second to be kept in as long as such. Fail the second sec



Solving more than informant and common sense shows in baseling the solid of our workers tracks as based the sound may baseling for immediate absorption by the result fibres of growing cross. It's a system that every farmer-East, West, North or South-can profibility follow. It is the very essence of practical agriculture, It is a distinct revealed to the starts and central starts farmers who have been depending on it to microsoft and the start of the starts and the start farmers and practical starts and the start start is a start of the start start and the start start start start is a start start start start and the start start start start start and the start start start start start start starts and the start st

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# "Hurry to Colorado" Now

"Hurrer do like response the charge trace there we conservately offered. Burst to be independent of the response trace we conservate of the structure trace response of your own. Come I freshing the first participating to the base of the structure trace response of the structure trace response of your own. Come I freshing the first participating to the base of the structure trace, we have the structure trace response of your own. Come I freshing the structure trace response of the structure trace response of the structure trace, we have the structure trace response of the structure trace response

# Explanation of Cuts Below.

Photo at left. These are stacks of Alfalfa on the farm of D. J. Shearer. Photo at right. An enormous polato field—40 acres—harcesting over 8000 los, to acre—320,000 los. in all and sold on the ground for \$5500.00.

# "Hurry to Colorado" Now

a fast passing opportunity. Here are cheap lands, fe possibilities for great increase in land values, healthous etc. Embrane the second rops; how to plan, what to bu ranch and its free board an Send now for it, to Dept. 12

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145 LaSalle Street, Chicago, Ill.

