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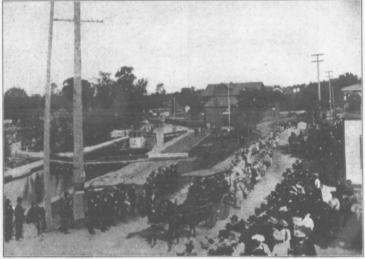
VOLUME XXVII

NUMBER 29

# The CANADIAN DAIRYMAN The CANADIAN DAIRYMAN FARMING WORLD

PETERBORO, ONT.

**AUGUST 5, 1908** 



SCHOOL CHILDREN IN THE PROCESSION AT BOBCAYGEON FAIR, 1907

Exhibitions of Marching by School Children, preceded by a Procession through the Town to the Agricultural Grounds, is one of the Distinctive Features of this Fair, The Educational value of a Fair is most pronounced when considered in connection with the Children. They are more Susceptible to Teaching than are older people. Agricultural Societies should make greater use of Features of this nature at their Exhibitions

DEVOTED TO
ETTER FARMING AND
GANADIAN GOUNTRY LIFE

# **Bowl Spindle** -Troubles

The Spindle is one of the most important parts of the Separator, and is a part that has, perhaps, given more trouble than any other. Any slight accident to the spindle generally disables the entire bowl, throwing it out of balance and making it run rough and hard.

In the Self-Balancing SIMPLEX Separator the Spindle is relieved of carrying the weight of the bowl, therefore it is relieved of all the strain which



spindles in other machines are subjected to. The only function of the spindle in the SIMPLEX is to drive the bowl. In other machines the spindle carries the weight of the bowl and is subject to all the strains resulting from the high speed. In the SIMPLEX it is merely a means for conveying the driving power from the gearing to the bowl. This driving power, on account of the high gearing, is very slight indeed.

The SIMPLEX spindle is made of a special high carbon steel. It is specially treated in the drop forging

process and straightened by hydraulic pressure, so as to make it as free from internal strains as possible. In the SIMPLEX the spindle, instead of being one of the most important and sensitive parts of the bowl, becomes of secondary importance only, and is one of the great benefits derived from the Self-Centreing Bearings.

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#### How it Figures Out

Ed. The Dairyman and Farming World,-In yours of 22nd inst., is a letter from Mr. Suddard, of Frontenac letter from Mr. Suddard, of Frontenac Co., Ont., on the way the farmers are assessed in Ontario, on their improvements. It might be interesting to your readers to know that more than a year ago, The Eastern Ontario Municipal Rights Association was formed at Ottawa, with R. B. Faith, editor of the Ottawa, Valley Journal, as secretary, the object of which association is to bring pressure on the Ontario Government to get the assessment so amended as to exempt from taxation all improvements on sessment so amended as to exempt from taxation all improvements on farms. Premier Ross exempted from taxation all personal property on farms. It is now felt that the Whitney Government should go a step fur-ther and exempt all improvements on ther and exempt all improvements on farms of any kind and every kind whatever, so that the unimproved farm will be assessed just as high as the improved farm, so that a wild farm will be assessed just as high as the farm all cleared and under culti-

Farmers must think over this mat-ter and be able to defend their de-mands by arguments that can't be successfully refuted. It is going to be no summer holiday for farmers get their improvements free from taxget their improvements free from tar-ation. Let there be no mistake made on that point. When they ask for this just measure of relief they may ex-pect to be bluffed, cajoled, bullied and told that they can't think. But this measure will be one of the greatest God-sends the farmers could possibly secure. To let farmers think and ponder over these points that they can argue their case when talk-ing to or writing to members of the Legislature, or to the Government.

#### LAND IS NOT OWNED

Land, the spot of earth, is not own-ed, but it is the lease or the patent, or title deed from the Government, that is owned. The term land means a part of nature. With the spot of earth there goes rain, sunshine, weather, etc. So land is not bought and sold like tea and sugar. The deed is a lease from the Government. deed is a lease from the Government. But the improvements on land, the clearing, breaking, plowing, fencing, buildings, etc., are labor products, are destructible, are commodities, are riches or wealth. They are- something that have a value according to the amount of labor and intelligence that produced them. Land is not a top of land. So that father is the value of land. So that father is the value in land and property in land and property in land and property in land and property in the property in the property in the land and property in the land in the la land and property in improvements or

Now, what we want to get at is this: What is the value of an unim-proved farm, wild, in the state that nature left it? It is easier to get at nature left it? It is easier to get at the value of improvements than at the value of the land. Suppose I own a wild too acres in the midst of a settlement, or near a settlement. Has it a value? What is its value? No wealth is being produced from it by labor, but yet it may be valuable.

SITUATION MAKES LAND VALUABLE

Let us see what makes it valuable. Is it not its situation? Is it near a school, church, road, town? These are the items that give it value. A place near town is more valuable than a place more distant; a place near a school more valuable than a place more distant. We are assuming, of course that the quality of the soil is the same as other soils around. Now, what we claim is, that all improvements should be free from taxation, and all farms rated or valued or assessed at their value outside of improvements. Is it morally wrong to tax an improved place more than the place that is not improved. Is t.xa-Let us see what makes it valuable

tion not a matter of morals? Should not the right thing to do be the best thing to do?

#### HAVE ALREADY PAID A TAX

Does not our conscience revolt at the idea of taxing or punishing a man for improving his place? Have not all improvements already paid an enor-mous federal tax in the shape of a tar-iff tax? On all the goods I eat, drink, wear, use, while clearing and improv-ing, have I not already paid an enor-mous customs tariff tax? Also on all the material, paint, hardware, etc., used while improving? And is it no criminal to tax me again, year after year, on those very same improve-ments on which I have already paid an enormous Federal tax? Really, Mr. Editor, I do not think that farmers have considered the enormity of the crime of taxing improvements or erse they would have risen in rebellion against it long ago. "Interested Reader."

#### Our Front Cover

As the illustration, published on our front cover of last week's issue, our front cover of has week's issue, showing the residence of Mr. Nathaniel Vermilyea, of Belleville, Ont., aroused considerable interest among our readers we give the following additional information concerning the place. The land cultivated by Mr. Vermilyea (some 500 acres) is a clay loam slightly undulating, and taking it all in all, it is one of the best farms in Ontario. His system of farming is Ontario. His system of farming is what might be designated "a mixed husbandry." The fruit and dairy features have a prominent place. The land, excepting 40 acres of bush, is entirely cleared and thoroughly drained, the high land by tile drains, open drains being used on the lower parts.

Forty milkers, chiefly Holstein grades, grace the spacious stables and extensive pasture fields. The grades, grace the spacious stables and extensive pasture fields. The milk from this herd is sent to a neighboring co-operative cheese factory during its season. In the winter time it is sold to the milkmen in the city. The very profitable and associate industry of dairying—the product cate industry of dairying—the production of the city. The very profitable and associate industry of dairying—the production of the city of t off during the season

The bottom lands of this farm are inexcelled for the production of timo-hy. About 250 tons are produced innually. Three orchards are locatannually. Three orchards are located on this farm, making altogether a total of about 1,000 trees. Northern Spys, Ben Davis, Russet and Colvert varieties predominate.

The residence is a fine one, and the The residence is a ninv one, and the barns and carriage house are among the best that we have seen. The grain crops grown are chiefly oats, barley, and fall wheat, great quantities of which are produced and fed upon the farm. Beautiful maple trees line the road on both sides. The fences are road on both sides. The fences are first-class. The hired men are com-fortably housed in pleasant cottages, painted with white and green and are painted with white and green and are surrounded with fine gardens and fruit trees. Mr. Vermilyea was born upon this farm which his father cleared from the virgin forest. He is much attached to it, and to his call-

ng.

Note.—We would be pleased to receive photographs of the farm residences and buildings of our readers.
If you have a good one send it to us,
at your earliest convenience. If not,
could you not have one taken for this
purpose?—Editor.

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

Vol. XXVIII.

FOR WEEK ENDING AUGUST 5, 1908

No. 29

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#### APPLE GROWING NORTH OF LAKE ONTARIO

Alex. McNeill, Chief, Fruit Division, Rtawa

#### The Opportunities are Excellent-Suggestions for Bettering the Industry Based on Prevailing Conditions and Bad Practices.

THE counties from Halton to Hastings, bordering on Lake Ontario, are particularly well situated for the growing of winter ap-The business has been very profitable for a number of years, and many new orchards are being planted. Indeed, it is doubtful whether any other district of equal size has so many young orchards.

Unfortunately, with the multiplication of orchards has come the increase in orchard pests. Insects that were unknown, or that did little damage a few years ago, have become a serious menace to apple growing. The older orchards have given such good returns, and with so little labor, that apparently the owners did not need in former years to take much pains to combat these enemies. At the present time, at least fifteen per cent. of the older trees are dead or dying from causes which appear somewhat mysterious to the owners. Even the young orchards are defoliated, and are, therefore, stunted, with little attempt on the part of the owners to improve conditions. I visited many of these orchards recently, and found conditions exceedingly serious. The death of the older trees may be attributed to three or four causes, usually working in combination,

An "Old Timer" at Wickley, Ont. Trees forty feet apart, many of them forty feet high, i interlacing between rows. The difficulties of aying such an orchard are apparent.

2%

chief of which are winter killing, imperfect drainage, oyster-shell bark-louse, collar rot, and other forms of canker.

#### WINTER KILLING

Winter killing was quite common. the older men said this was impossible, as they remembered winters much colder than any we have had lately, and the trees stood it all right; nevertheless, winter killing is doing a great deal of damage among the orchards of this district. That it should be more prevalent now than formerly must be attributed, in part to the adoption of clean culture, which is only one feature of what is really a much improved system of orchard practice. Formerly it was extremely rare to see an orchard not in sod. Recently cultivation has become the fashion, and the sod has been turned down in many an old orchard. The result is to be seen in the large number of winter-killed trees. The sod checked the growth early in the season, and thoroughly protected the roots, and thus prevent winter-killing. The clean culture not only exposed the roots, but induced a late and succulent growth of tissue in root and stem, that was more tender than that grown in sod. These orchardists made no mistake in cultivating their orchards. Most of them, however, have made a mistake in 'beginning the cultivation too late in the season. Many of them did not begin until the first and second week in June to plow their orchards, and these orchards were kept well cultivated throughout the summer. What should have been done was to work the orchards as early in the spring as possible, and cultivation should be stopped by the end of June, or not later than the middle of July, except in special cases. The protection which had been furnished to the roots by sod should be given in the form of a cover crop. Indeed, the two things, clean culture and cover crop, should invariably go together. Even without the cover crop, and making due allowance for winterkilling, clean culture has been a very great advantage. But all the advantages of the sod protection, and the increased vigor induced by cultivation, are secured by uniting the two, clean culture and cover crop.

#### UNDER-DRAINAGE

In the management of the soil of the orchard it is regrettable that so little under-draining is done. Many orchards are suffering severely for want of drainage, and it is noticeable that an undue proportion of the dead trees are to be found in the lowest portions of be orchard. It will take a great deal of missionary work to persuade many of the farmers that the best investment that they can make in their orchards is tile draining, except it may be a spray pump.

#### SPRAVING

Many of the farmers have made a commencement of spraying, but very few of them perform the operation intelligently. In the younger orchards there are two insects which cause very serious damage, namely, the bud moth and the cigar case bearer. I did not see a single young orchard that had been sprayed so as to destroy these two insects. The poisoned Bordeaux mixture should have been applied as soon as the leaf buds had begun to swell, and show the slightest portion of green, or even before this. In no part of Canada that I have visited did I find the cigar case bearer and the bud moth worse than here. Many of the orchardists were only giving their first spraying on the 18th of June. It is needless to say that these men will be disappointed in their results. It will, indeed, do some good, but the injury from insects and



An Old Orchard in Colborne, Ont. Picturesque, but not profitable Many orchards of is nature are to be found in Ontario. They should pruned close to the ground.

fungous diseases will usually be so great that many of the orchardists will be inclined to think that spraying is scarcely worth the trouble.

#### OYSTER-SHELL BARK-LOUSE

The oyster-shell bark-louse is responsible for the death of some of the trees, at least. Nevertheless, it is noticeable that the bark-louse is worse upon trees, the vitality of which has been lowered by other causes, such as want of drainage, winter injuries or canker. It is asserted by many that the lime treatment alone is not effective. Others have tried a solution of concentrated lye. In no case has it appeared that these treatments are sufficient alone. A few have sprayed with kerosene emulsion while the insects were running; but even this has not proved successful. Many have been experimenting with patent miscible oils, also without success. None, however, as far as I can learn, have tried the lime and sulphur mixture, and apparently this is the last resort

#### MISTAKES IN PRUNING

A large number of the old orchards in this district are rapidly degenerating. Many, as the result of too little pruning, have grown long and straggling, interlacing at the tips, and with no bearing wood towards the centre of the tree. Having this form it is impossible to spray economically, not only on account of the height of the bearing wood, but because the interlacing branches prevent the spraying apparatus from passing easily from tree to tree.

#### RENOVATING OLD ORCHARDS

The question is frequently asked whether these old orchards can be renovated. In many cases they can. Where the trunk and limbs of the tree are sound, there is no reason why a new growth should not be started on the lower portion of the limbs. This new growth can be induced by cutting back the ends of the lower limbs along with the thinning of the finer brush towards the outside of the tree. This would, of course, temporarily reduce the bearing area somewhat; nevertheless, the result in the end would be beneficial. The bearing area is seldom too large, but it is unevenly distributed over the whole tree. Usually in these old trees, it is confined to the tips of the limbs, where the fruit spurs are much too crowded. The effect of thinning the finer brush, and cutting back the larger limbs moderately, would be to induce the growth of suckers or water sprouts on the naked limbs towards the centre. One or more of these may be selected on each limb, and so pruned as to fill up the vacant space in the centre of the tree.

These water sprouts usually grow very vigorously the first year. A growth of three or four feet is not unusual. The spring of the second year, the new growth that best suited the purpose of filling the vacant space, should be selected, and all others cut off close to the main limb. One year old shoots left should be pruned tre of the tree fairly well filled with bearing wood. During this time the outside of the tree has been carefully thinned, but some bearing wood would have developed, and if this is pruned correspond with the new wood induced in the centre of the tree, you have now a good bearing tree ready to renew its youth, the younger wood growing from the centre taking the place of the older wood towards the outside.

BAD NURSERY STOCK

In the young orchards it can be seen very distinctly that the farmers are not well informed in the quality of the stock. In one case I saw an orchard of twelve or fifteen acres in extent planted with trees which must have been stunted stock, six or seven years old, severely cut back in the nursery, and making a very poor showing after being planted a year in their permanent position in the orchard.

(Continued on page 8)

#### Sow Thistle

I have been interested in reading Mr. Brethen's article which appeared in your issue of July 29th. on this infestor of our fields-sow thistle.

The following plan has been adopted successfully by some farmers in the East:

Manure the land very heavily in the Spring: let the thistle grow till the first of June; when under the influence of the manure, it will have assumed a rapid and rank growth. Then plow it under with a broad plow; cultivate thoroughly with a rotary cultivator: then cross-cultivate with an ordinary harrow; plant to corn or potatoes, and cultivate often and thoroughly during the season. The result is, that with the heavy growth and the manure plowed under, the roots and weeds are thoroughly rotted and destroyed.

I am told that "twitch" or "quack" grass can be eradicated in the same way, providing that it is plowed in during the Fall instead in the Spring.

Has anyone of your readers had this experience with "quack" grass? - "Farmer from the East."



Institute Meeting in Wilbur Winter's Orchard, Wicklow, Ont.

Those in the illustration are: Back row, from the left: A. Waite, (partially showing), 8. Jaynes, J. Davis, W. Glesson, D. Kerneghan, T. B. Rivett, Dept. of Agriculture, Toronto; M. J. Gillard, John Kellogg, Frant row, from the left: Captain Brown, Dom. Fruit Inspector, R. J. Rutherford, Dom. Fruit Inspector, H. Russell. C. E. Wilton, E. B. Himmish, P. J. Carey, Dom. Fruit Inspector, and W. Winter

back to within four or five inches from the main This would induce nearly all the buds upon the remaining stub to grow. Three or four of these would be selected and the remainder pinched out soon after growth began. By the end of the season the shoots left would usually make a growth, not as vigorous as the growth of the preceding year but still more vigorous than they would from the older branches. These again should be cut the following spring to the extent of one-half their growth. It is quite, possible that, after this treatment, fruit spurs will form on these side shoots, the end buds developing into wood growth. This wood growth should again be thinned to two or more shoots as the case may require, and cut back slightly the third season. The third season fruit spurs will develop on the one year old wood, and after this very little cutting back will be needed.

If the original sprouts have been judiciously selected, you have three years afterwards the cen-

#### The Draught Horse

To the breeder of high class draught horses there are two essentials of prime importance, viz: weight and quality. A horse that weighs under 1600 lbs., I care not how much quality he may possess, we have to strain a point to call him a draught horse at all. On the other hand a horse may weigh a ton, and if deficient in quality be only a poor kind of cart horse. Weight in an animal is easily determined by the weigh scales. The question of quality is much more difficult to decide, and is to a certain extent (even in the hands of an expert) a matter of opinion. However all horsemen are agreed as to most of the essential properties, such as a clean, flat hard bone, oblique pasterns, an absence of puffiness about the hocks, standing squarely on all feet. When in motion, a free, prompt, springy gate, lifting the feet well up from the ground and extending them in a straight line. These qualities together with a rather clean cut head, broad between the eyes, with the latter organs large and bright and standing well out in the head, coupled with a well developed and symmetrical muscular system go far to produce what is termed quality in a horse

It has always been a matter of more or less difference of opinion as to whether weight or quality was the most important in a draught horse. The skillful breeder will always aim to get a happy blending of both. But while we cannot produce too heavy a horse, provided he has quality, care should be taken not to sacrifice quality for weight. I would use a sire of good quality weighing 1800 lbs. sooner than one that weighed a ton but was deficient in quality.

While high class draught horses are not confined to any one breed (for we have good and had in all breeds) still as a rule where you find a really good horse he is a well bred animal, that is, he is a high grade or pure bred horse. So far as Ontario is concerned, the most popular breeds are the Clyde and Shire, especially the former. Breeders with grade mares of either of these breeds would make a mistake to mate them with a Percheron or Belgian or any other breed .-"Centaur."

#### Food Value of Milk and its Products

Geo. Rice. Oxford County, Out.

Although milk has been used as food throughout all the ages, and most people use it from birth to old age, yet very little is understood by the average person as to the value of milk and milk products. Now that food values are increasing and that in some quarters the financial stringency is felt and less work is going on, the food value of milk should be better known. The greater use of milk would be a great saving to the consuming public. Greater attention is being paid to the producing of milk under conditions that will insure a pure product. The most effectual way to bring about more up-to-date and progressive methods in handling milk to insure its purity and cleanliness, is to pay better prices for the milk. When it is suggested that we increase the price of milk, then there is a kick coming right away from the consumer, who probably does not know what value the milk is as a food.

Scientists tell us that a quart of milk is of equal food value to a pound of our best beef steak. Yet, at one city where beef steak retails at from 15e to 18c a lb. milk retails at six cents a quart, or actually three times less than one would pay for the same value of other food.

#### MILK MORE ECONOMICAL THAN MEAT

The consumer kicks about paying more for milk giving as a reason that he has to pay so much for meat. If he is looking for an economical ration, why eat meat at all? Cheese can very well take the place of meat. In fact the old country laborers use cheese instead of meat. I have noticed some that come to this country still keep up the practice of cheese eating, and I have seen Englishmen's tables set with cheese in plenty, with no meat at all. If economy were desired that certainly was making for it, because a pound of cheese has the food value of more than three pounds of beefsteak. Besides it does not sell for any more than the beef-steak, even at retail prices, and if a man would be forehanded and go to the factory to buy cheese, he could get it practically at wholesale prices.

My attention has been drawn to this subject at this time on account of a letter appearing in a paper from a consumer of milk making a kick because he had to pay a retailer 6 cents a quart for milk. If there is any man who earns his money, surely it is the retailer of milk.

I have had to do with the dairy business in about all of its phases, raising the cows that pro-· duce the milk, feeding them, milking them, making butter and cheese, and even selling milk to retailers. This latter is as near as I want to come to retailing milk. I have watched the retail business a good deal and see nothing attractive in it. On the face of it a retailer should make money. However, there are many bad depts and much slow money to collect. Whilst a man's credit n'ght be very good, a man's cash is much more acceptable in the milk businers, because the milk seller has to pay cash for his product. There is many a man who should know better, and who should pay up better, that keeps the milkman waiting for his money.

I have in mind one city man who is always kicking about the quality of milk. He was a member of the Board of Health, a member of the Town Council, and was forever making restrictive measures in regard to the delivery of milk to insure its purity and cleanliness. This is all very well in its way, but then if that same man would only pay for his milk and pay a decent price for it, he would be more likely to encourage the milk-man to produce and handle the milk to better advantage. With more modern methods of delivery and handling milk, the cost is always increased, and there is no milkman but that under-creased, and there is no milkman but that under-

the nutriment of mills goes into the cheese, whereas butter is mostly fat, the casein and other valuable constituents being left in the skim milk. Fat is not food, casein is. Cheese is worth at least three times as much as meat, pound for pound. Once the habit of eating cheese has been acquired it is just as hard to do without it as it is to do without as a hard to do without it as it is to do without any other food. I have always of late years been used to cheese and I find that I get "cheese hungry" if I do not have it for a while. I would in fact as lief do without meat as cheese.

#### Handling Alfalfa with Hay Loader

Henry Glendinning, Victoria Co., Ont,

The weather during April was extremely hard on the alfalfa fields. It affected plants on the old fields much more than it did the newly seeded ones. However the first crop of alfalfa was a fair one. It was saved in excellent condition. The cut was later than usual and the second cutting will not be ready until about the 10th of August. It is naking good progress since the heavy rains of a week ago.

This is the first year that we have saved the first cutting of alfalfa without coiling it. We cut it in the forenoon, tedded it a couple of times and then raked it into windrows the same day. It

most effective. Mr. Stevenson tells us that he derives great benefit from its use. This mixture will not keep the cattle absolutely free from flies, but the nuisance can be greatly abated by apraying regularly with it.

#### The Weed Problem

Geo. C. Smye, Waterloo Co., Ont.

The danger we undergo from having new weeds introduced on our farms and the spread of those that have already made their appearance is not felt to the extent that the situation demands. Weeds are a serious hindrance to successful farming. They occury space, deplete the land of valuable plant food and draw heavily on the soil moisture. They are despised plants, and because they have always had to struggle for an existence each one is possessed of some strong feature which enables it to thrive and reproduce itself under adverse circumstances.

A great deal can be done at this time of the year to prevent the further spread of many noxious weeds. A few hours spent with the mower and scythe will prevent many weeds from seeding. The early fall cultivation of land is very helpful in destroying many weeds. Cultivating grassy ground and exposing the roots of the grass to the frost is also very beneficial.

In the treatment of the different crops after harvest different methods have to be followed. For clover fields intended for seed, all weeds should be cut either with the soythe or spudded out, for these if allowed to go to seed will reduce the selling value of that seed from 50 cents to a dollar a hushel.

Sod that is grassy should be plowed early and rather lightly and worked well on top and left rather rough for the winter. If on heavy land it is as well to rib it up, thus letting the frost get all the action possible upon it. Stubble that has been seeded down and is somewhat weedy may be prevented from seeding by running the mower over it rather high so as not to injure the clover. Stubble ground may be cultivated up, thus starting many weed seeds germinating. For

atubble ground that is grassy, plow early and cultivate frequently, working the grass roots to the top. After such a practice you will find that you have gotten rid of a lot of grass and also that your ground is in number one shape for a spring crop. We will have to wake up to the importance of the weed question. Weeds are getting such a hold on the farms of this country that we will see the spectacle of men clearing their farms again. It is questionable if the clearing of weeds will be less arduous than the clearing of forests.

It has been estimated that on a 100 acre farm the absolute waste from weeds would amount to the produce of no less than five acres of fertile land. Do we realize this? And cannot the careless man who allows his farm to become a weed nursery for the locality, or the careless seedsman who stocks a customer's farm with some dangerous weed pest, be made to feel that the injury they are inflicting upon others is in reality tantamount to robbery just as truly as watering or skimming milk or some other forms of wrong doing which are made amendable to law? Railway and municipal authorities all over Canada should wake up to the magnitude of the weed evil. Farmers' Institutes and the Seed Division of the Dominion Department of Agriculture should renew and continue their efforts to abate what is to-day probably the most alarming menace confronting agriculture.



Drawing in the first cutting of Alfalfa on Mr. Glendinning's Farm

Ordinarily it is not possible to harvest the first cutting of alfalfa with the aki of the hay loader. The alfalfa being very successed at this time anakes it seesawary for its moistering to late grateful by means of yreating in the cell. This year, however, Mr. Glendinning did not coll his first cutting but followed a system that enabled tilm to use he is ay loader on its See adjoining article.

stands handling milk in a manner that will insure its cleanliness and purity. The trouble is generally that the retailers are so poorly paid and so hard worked, that they have not the time to do all they would like to do, nor the money to install everything that they could wish for to produce the best article.

#### THE RETAILER'S TROUBLES

Surely a milkman should make some money. He certainly deserves to. He is out in the morning at four or five o'clock rain or shine. The consumer wants his milk, and no matter what the weather is or if the milkman is feeling right or not, he has got to hustle around. Any man who works every day of the week, and so early and so late as the milkmen have to, surely deserves more than an ordinary reward for his work. As it is the milkman's roward is often insufficient; this too when mill is selling at actually one-half to one-third less than its food value as compared with other food. If the papers would give more attention to the food value of milk and its products, and help the milkman to obtain better prices for his milk, they would be accomplishing much more in the way of sanitary methods and purer products than would be possible in any other way.

Cheese furnishes the consumer with the most nutriment for his money. Cheese has a much higher food value than butter. Practically all was allowed to lay in the windrows all of the next day, but it was tedded twice that day, the tedder being run lengthwise of the row. This tedding prevented the sun drying up the leaves too much and kept the row loose so that the wind can get through it. On the third day we used the hay loader to take it in. This method of handling the alfalfa saved considerable labor in colling and pitching in the field. The weather was very fine at the time, thus enabling us to follow this plan.

For years past we have put the second and third cuttings into the barn by this method of proceedure. But we always put it in the day after cutting. The weather at the time of the second cutting is usually fine and the ground is very dry and warm. Thus it cures rapidly.

#### Absting the Fly Nuisance

As considerable caquiry has been made regarding the mixture used by Mr. R. S. Stevenson of Ancaster, Ont. to protect cattle from the flies, as published in a recent article, we have obtained from Mr. Stevenson the formula of this mixture. It is as follows- One-half pint Cook's disinfectant, one-quarter pint fish oil, mixed in two gallons of rain water.

It is necessary to spray the cattle every day with this mixture. After a time, the cow's hair becomes saturated with it; then it becomes the

#### A Comfortable Lead

Considerable comment has been made of late in the agricultural press and elsewhere concerning Bontsje, the famous Holstein cow in the Dairy the namous Hoistein cow in the Dairy herd at the Ontario Agricultural Col-lege, Guelph. It has been stated that this cow giving 20,000 lbs. of milk did not give as big a profit over the food consumed as another cow in the one give as ong a profit over the food consumed as another cow in the mode and that gave only about half are not so that the following statement giving the mode of the following statement giving the cost of feed for the six leading cows in the college herd last year has just been handed to The Canadian Dairyman and Farming World by Prof. G. E. Day: Bontsje, \$109.76; Adelaide Brook de Kol, \$92.01; Margaret Cornelius, \$54.91; Molly de Kol, \$63.90; Abby Mercena, \$51.48; Lady, Rockwood, O. A. C., \$45.90.

The butterfat was valued at 25 cents a lb. and no allowance was made for skim milk. It will be seen from this that Brontsje has a comfortable lead on he competitors.

on he competitors.

#### Must Go by Form

While speaking recently with a representative of The Canadian Dairyman and Farming World, who visited his place, Mr. R. F. Hicks of Newton Brook, stated thas he did not agree with the views expressed by Mr. Geo. Rice of Tilsonburg, in the columns of The Canadian Dairyman last year, in In the article in cuestion Mr. Rice took the stand that the only way to judge a good dairy cow was by its performance as shown by its milk re-Mr. Rice gave instances of animals that had won high honors in the show ring that were of little use at the pail, and mentioned other animals that were not a success in the show yards but which were great milk producers

Mr. Hicks admitted that it is of great importance that the milk re-He pointed out, however, that in only a very few cases is it possible in only a very lew cases is it possible to see the milk records of the animals. "The great majority of the dairy cows of the country," said Mr. Hicks, "are

#### DRILLING L MACHINES

WILLIAMS BROS., Ithnen, N. Y.

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rades. Very few of their owners sep records of the milk produced by grades. When a man wants to buy a dairy cow how then is he going to judge its value if he cannot see its milk record? The only thing he can do is to judge it by some other form. do is to judge at by some other form. While there are exceptions where it is impossible to tell what a cow will do as a milker, I believe that there is a certain dairy form that we should look for when we purchase dairy cows and that in the great majority of cases when we get it we are not likely to be

#### A War on the Cattle Fly

representative of The Dairyman Farming World, while visiting and Farming World, while visiting recently in the vicinity of Hoard's Station, Menie and Campbellford, in Northumberland County, Ontario, Northumberland County, Ontario, found that a large proportion of the farmers were using a fly poison on their cattle and horses with excellent results. The mixture used is the Dr. Williams Fly and Insect Destroyer. Williams Fly and Insect Desiroyer. It was first introduced into the section by Mr. Wm. Stewart, Jr., the well known breeder of Ayrshire cattle. Mr. Stewart was found cutting his hay crop but stopped long enough to chat with our representative on this subjusted of the state of the subjusted of It was first introduced into the section

Exhibition, said Air. Suewars, acalesman for this fly anixture asked me for permission to spray my cowa as he noticed that I had them blankethed to protect them from the flies. I had tried all kinds of mixtures mycelf until I had given up all hope of finding any mixture that would be effective in keeping the flies off the stock and that would not have to be applied too often. At first I refused to allow him to spray my cattle but he was so persistent I finally gave him permission i. spray my old bull. As soon as he did it I noticed that the flies left the animal and that the application seemed to give instantial from the pests. I was so include the man to appay my cows also and pressed with the results that I allowed the man to spray my cows also and I soon saw that they got the same relief. I took the blankets off every animal I had on exhibition and as long as I kept them sprayed they did not have any trouble with flies.

HOW APPLIED.

"The mixture is applied by a spraying machinture is applied by a spraying machinture is applied by a spraying machinture in the state of about the state of a sprayed once a day and it takes only two or three minutes to go over a whole herd. When the cows are in the stable you will never see a tail switch when we are milking and I am satisfied that they give much larger returns at the pail. At the Guelph Cullege, where this mixture has been could be supported that one gallon of it is sufficeported that one gallon of it is a sufficed that the cost of applying the mixture is about one third of a cent a cow a day. "I have been so impressed with the mixture that I now spray my horses with it and find that they obtain as much relief from its use as

tain as much relief from its use as the cows do. The mixture browns the cows skin somewhat after it is applied, but as soon as their skin is washed this brown coating disappears. I told my neighbors about this wis-

Campbellford and Mr. Alex. Hume of Mennie. Mr. Cleugh stated that he con-Mennie. Mr. Cleugh stated that he considered that the money he had spent to purchase this fly mixture was one of the best investments he had ever made. "A lot of my neighbors have used it" he said, "and I am satisfied that it has sayed both them and myactions to has saved both them and myself considerable money as our cows
are giving more milk than they would
have if we did not spray them with
this mixture."

At Mr. Hume's farm our representa-

At Mr. Hume's farm our representa-tive watched the spray being applied to his large herd of pure bred Ayr-shire cows. It was noticed that as to his large herd of pure bred Ayrabire cows. It was noticed that as soon as the spray was applied, the flies commenced falling down the sides of the cattle until they fell on the ground dead. All the time the milking was in progress hardly a cow switched its tail. The mixture did switched its tail. The mixture did bulls, which were standing in the stable, did not have any trouble with the flies although the day was a warm one. Mr. Hume seemed to be as favorably impressed with this mix.

the miss atthough the day was a warm one. Mr. Hume seemed to be as favorably impressed with this mixture as was Mr. Stewart.

It is not the custom of The Dairyman and Farming World to mention mixtures of this kind in our reading mixtures of this kind in our rrading columns, especially when they are not advertised in our paper. In this case, however, we found that the farmers were deriving so much benefit from the use of this mixture that we d'ecided to mention the circumstances ior the benefit of our readers.

#### Items of Interest

Mr. Dennis Callaghan of Reaboro was charged by a cow, and knocked down on a cement floor recently. He was seriously injured but succeeded in making his escape.

Seven sheep belonging to Mr. Sam-uel Mitchell, of Dunsford, were struck by a train recently. All were killed. Some good mutton was afterwards enjoyed by the farmers in the vicinity

A farmer coming to town recently, with a load of hogs had large pieces of broken ice in the bottom of the box. A little thoughtfulness of this kind is not only a momentary benefit, but is humane treatment and should be widely practised.

Grant Coulter of Thomasburg, 13 years old, was seriously injured ile raking hay. The horse became and if years out, was seriously injured while raking hay. The horse became frightened and ran away, throwing the boy into the rake. The boy's life was saved by the rake striking the fence which freed it from the running

A serious condition of affairs has prevailed recently on "Glenavy Farm" in the 2nd concession of East York, of affairs has in the 2nd concession of East York, about a mile and a quarter east of Yonge St. Toronto, where within a few days no less than 350 hogs have died. The mortality was a first thought to be due to hog cholera, but this is not certain. The Provincial this is not certain. The Provincial authorities are investigating the mat-

The Provincial Veterinarian, after The Provincial Veterinarian, after making a careful investigation into the cause of cattle dying in the vicinity of Pontypool, Durham Co., Ont. said that the disease had arisen from the carcass of a diseased dead animal which lay exposed during the hot weather on the commons where other cattle pastured. Some hogs and a dog that had eaten of the carcass, died a few hours after their repast.

washed this brown coating disappears. I told my neighbors about this mixture with the result that many of them are using it and they all seem to be as well pleased with it as I am. I tis the best thing of the kind that. I have ever used and if only for the comfort of the cows I think that every dairy farmer should use it or some other good mixture if they know of one."

Our representative visited the farms in the same section of Mr. Cleugh of



Fat Milk and Fat Meat

Why should milk that contains much cream be accounted the best? Cream in only fat, and we do not rate the tood value of meats solely by the amount of fat that they include. Dr. J. A. Gilbert, Portland, Oregon, writing in the Medical Record (New York) takes the view, this devotion to "rich milk has no logical basis. In ou earnest search after a fat milk, he says, we have probably gone too far. To quote from an editorial in The Hospital (London, Eng.) which notes

Hospital (London, Eng.) which notes Dr. Gilbert's opinion apprecisively: "The milk which is richest in cream is not therefore the most nu-tritious, for the very simple reason that a rich milk is less easily digested and absorbed than a milk in which the fat percentage is low. As far as its other constituents are conversed. its other constituents are concerned a milk poor in fat is as valuable a food as a milk rich in fat. The fat percentage; the popular standard by which milk is judged, is most vari-able, while the proportions of the albuminoids, sugars and salts vary but little in the different samples of milk. In other words, while the energy pro-ducing and heat giving qualities of the several kinds of milk may be very great or little, the valuable proteid ingredients, which go to the building up of the tissues—the prime property of of the tissues—the prime property of any foot remains very much the same in all varieties of cows' milk. Thus a "thin" milk is for all purposes, save for energy and heat production, as valuable a food as the so-called "rich" milk. Indeed, it not infre-quently happens, as the experimental feeding of young growing animals has shown, that a thin mik may prove, in the long run, more flesh forming than a rich milk, inasmuch as the former is less liable to induce gastro-enteric disorders."



#### Keeps them Off and Kills Them

Ed. The Dairyman and Farming World:—We have tried a great many so called preparations for keeping the flies off of cattle. With one exception

called pregrations for keeping the files off octatle. With one exception none of them proved satisfactory. A representative of the Dr. Williams Company proved to are entire satisfaction that their remedy would not action to the control of the con

No man with stock can afford to do without it. One cannot afford to feed flies or lice on his stock. It is simply dollars and cents to him. We estimate that if a cow makes a gain of one pound a milking, this means 60 pounds a month or 360 pounds in six pounds a month or 360 pounds in six months. At the present price of cheese, this remedy will more than doubly pay for the outlay. It is only a matter of a few moments to make the applicatior, and the increase of the whole herd for a season figures out to a big thing. Horses treated to this remedy work as quietly as if there were no flies. Lice have no place where it is. It is also a good disinfectant and is harmless.—Wm. Stewart & Sons, Northumberland Co.

#### Periodic Ophthalmia

Periodic Ophthalmia
Coll has ye trouble. Sometimes one sys becomes once. They run water, are there exceeds to the common of the common of the common of the constitutional disease called "periodic or specific ophthalmia." If you can trace this colt's pedigree on both sides for generations, you will find that a progenitor, more or less remote, suffered from the same trouble. The attacks can be neither foreseen nor prevented, and in all probability the ultimate result will be total blindness from cataracts. All that can be done is treat each attack by placing the patient in a comfortable stall excluded from draughts, and strong light. Give a laxative of a pint of new linseed oil; bathe the eyes well three times daily with hot water, and after bathling put a few means a few controls and the controls are considered to the controls and the controls are considered to the controls are considered to the controls and the controls are considered to the constant and const eyes well three times daily with not water, and after bathing put a few drops of the following lotion into each eye: viz., sulphate zinc, 15 grains; fluid extract of belladonna, 20 drops; stilled water, 2 oz.

#### Provincial Prizes to be Offered

The increased number of societies which are taking part in the Standing Field Copy Competitions this year ing Field Copy Competitions this year cardy accrued have been so marked that the Hon Nelson Monteith, Minister of Agriculture, has consented to extend the competition still further by arranging to have the five prize winners in each of the different agricultural societies competing, enter into a provincial contest at the winter fairs at Guelph and Ottawa. Each exhibitor will be required to forward two bushels of the grain with which he takes a prize in the Standing Field Crop Competition this year. The amounts offered in prizes at each of The increased number of societies he takes a prize in the Standing Field Crop Competition this year. The amounts offered in prizes at each of the above named Winter Fairs will be: 1st, 836; 2nd, 830; 3rd, 830; 4th, 870; 5th, 870;

perty of the Department, and will be used for experimental purposes. All conditions, pathogeni grain exhibited, other than that taking most highly-polluted so prizes, will be sold by auction at to a.m., on the morning of the last day of the fair, and the proceeds remitted by the Department to the owners.

An affidavit raust be furnished by soldium under unfavore each exhibitor at the time of making and these few and we have the conditions of the conditions o

An affidavit raust be furnished by each exhibitor at the time of making entry, certifying that all of the grain exhibited by him was grown on the plot which was judged by the official sent by the department to judge the grain while standing in the field. Owing to the fact that there were not a sufficient number of societies entered sumcient number of societies entered in other kinds of grain we are con-fining this competition at the Winter Fairs to oats.—J. Lockie Wilson, Sup-erintendent of Fairs.

#### Remedy for Crows

Would you kindly publish in your columns a good remedy for getting rid of crows I—H.C. F., Victoria Co.

Probably the best method of get-ting rid of crows in fields of corn or grain is as follows: Take one heaping teaspoonful of strychnine, solve in one ource of alcohol, then lute in sufficient water to cover about two gallons of corn in a pail. Leave soak 24 hours, then scatter on field being attacked by crows. If any poul-try or pigeons are around, it would be well to confine them for a few days after the corn has been scattered over the field as it affects chickens and pigthe held as it affects chickens and pig-eons the same way as crows. If, how-ever, alcohol is not available, then boiling of corn for a few minutes in a mixture of strychnine and water and afterwards allowing it to soak for 24 hours, would prove satisfactory.—J. H. Grisdale, Agriculturist,

#### Bacillus of Typhoid in Ice

Is there any danger of one contracting phoid fever, or other such disease, from us ice in drinking water, the ice having been tained from the river and stored for summusei—A.S.M., Peterboro Co., Ont.

loe in drinking water, the loe having been obtained from the river and soved for summer than the control of the

periments performed come to the following cerning ice as a vehicle to tous disease, with special results the problems of ice supply and to public health.

Toronto will compete at Guelph, and hose east of Toronto at Ottawa. Each those east of Toronto at Ottawa. Each exhibitor will send his grain by express C.O.D., addressed to the super-intendent of the fair at Guelph or Ottawa, and the transportation charges will be paid by the Department of Agreement of

Under natural the freezing action. Under natural conditions, pathogenic germs in the most highly-polluted streams are comparatively few. Of these 1-10 of 1 per cent. may be present in ice derived therefrom, and even these scattered individuals are weakend by their sojourn under unfavorable conditions, and these few and weakened germs very likely could not produce many, if any, cases of typhoid fever, for vi-

if any, cases of typhoid fever, for vi-tality and virulence in disease bacteria are probably closely related. With artificial ice it is consumed quickly. After manufacture, the pos-sibility of purification by time, is ex-cluded, and such ice might therefore conceivably be a menace to public health. With natural ice there must always remain a certain element of always remain a certain element of it and flooding that already formed with water. Ice thus formed might be cut at once and served within a is often increases of the depth of the depth

Macdonald College, Quebec.

# Powder o

The pow der we put into Growa shells is black powder especially powder especially made by the Hamilton Pow-der Co. The primers are made with the greatest care and are more sensitive than any other black powder primer on the market. Our system of tests makes

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tremely rare.

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try. When managed properly, the loader picks the hay up ci.an and leaves little work to be done cleaning up after it.—James Heslop, York Co., Ont.

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#### H+++++++++++++++++++++++ HORTICULTURE

#### 

The Enrichment of the Orchard P.J. Carey, Dominion Fruit Inspector, Toronto Soil

F. T. Shutt, M.A., Chemist, Dominion Experimental Farms

Why should it be necessary to rich the orchard soil? In the first place because there is an annual draft on the available soil plant food by the trees. We have done a considerable amount of work on the chemistry of the apple and I compute from our analysis that the following amounts of the essential elements of fertility are removed in ten years per acre, (i.e., by 40 trees, when the orehard is in full bearing): Nitrogen, chard is in full bearing! Nitrogen, 600-650 lbs.; phosphoric acid, 358-150 lbs.; potash, 708-850 lbs. These amounts are distributed, of course, between root, trunk, branches, twigs, leaves and fruit; a part is locked up in the wood of the tree, a part is lost in the leaves and fruit. Compared with other farm crops, the orchard is not exhaustive in the sense that that term is usually applied, but nevertheless our results show the necessity for a continual supply of plant food in an available form. d in an available form

Some years ago we analysed four well known varieties of apples and well known varieties of apples and from the data then obtained, and as-auming a yield of 160 barrels per acre, I calculate that the amount of plant food removed in the fruit from this area, per annum, would be from 9 to 10 lbs. of nitrogen, 5 to 6 lbs. of phos-phoric acid and 32 to 35 lbs. of potash. These amounts are by no means ex-

We also analysed the leaves of the apple tree, collected in May and Sep-tember. We found that, as the leaves tember. We found that, as the leaves ripened, there was a considerable re-turn of the plant food they contained to the wood so that the fallen autumn leaves are not as rich in potash and to the wood so that the fallen autumn leaves are not as rich in potash and phosphoric acid as when they were younger. However, 1,000 lbs. of the leaves in September still green and containing a percentage of moisture, would contain nearly 9 lbs. of nitrogen, almost 2 lbs. of phosphoric acid, and approximately 4 lbs. of potash. It has been estimated that in the fallen leaves per acre an annual loss may ensue of approximately 23 lbs. of nitrogen, 6 lbs. of phosphoric acid and 12 lbs. of potash. A part of this may, of course, be returned to the soil but, owing to high winds in the autumn, it is extremely doubtful if much of it gets back to where it came from, unless there, at the plant food stored up in the wood and that in the fruit must, of course, be regarded as lost.

Without naches leaves, for an expectage of the property of the pro garded as lost.

Without unduly lengthening this paper, I cannot discuss in any detail the losses of soil plant food in other ways. If the orchard is in sod and ways. If the orchard is in sod and the hay removed, the exhaustion is greater than that incidental to the growth of the trees. If on the other hand, the soil is continuously under cultivation there necessarily follows a very considerable loss of nitrogen and destruction of humus. This fact we have established in the Experimental Even laboratories. It is very evident. Farm laboratories. It is very evident, therefore, that under all ordinary conditions there must be a return of refood if the orchard is to thrive. food if the orchard is to thrive. We think this in the majority of instances can be accomplished in the most eco-nomical and satisfactory way by the growth and turning under of one of the legumes. This class of plants might be known as nitrogen-collectors, for they are able through the agency of certain organisms (bacteria) that

reside on their roots to appropriate and build up into their tissues free nitrogen from the atmosphere.

#### F.O.B. Contracts for Apples

An important matter for the consideration of growers and dealers, is "sale contracts." Almost every consideration of growers and dealers, is "sale contracts." Almost every contract made in the sale of apples last season was violated one way or another. It is true that the "money stringency" had considerable to do with the upsetting of contracts, but the fact remains that with contracts made as they were last year, it is little upsetting the sale of the

surely contracts can be made secure, so that our apples will stay sold when they are sold, whether the markets go up or down.

#### Apple Growing North of Lake Ontario

(Continued from page 4)

It is surprising how many farmers are yet unfamiliar with the Inspection and Sale Act, part IX (the Fruit Marks Act). A copy of this act will be sent to anyone on application to the Fruit Division, Department of Agriculture, Ottawa. Until the farmer the Fruit Division, Department of Agriculture, Ottawa. Until the farmer becomes familiar with this Act be is at the mercy of the buyers. They may carry a copy of it around with them and may read a part of it, but the apple grower is likely to be decived if he does not get the Act himself and study it carefully. All contracts, wherever grandes are menountacts, wherever grandes are menountacts, wherever grandes are menous to the state of the sta can make no mistake with reference to the marks that are required on all fruit packages

One value of these orchard me such as were held in this district, that they give an opportunity clearing up erroneous impressions with reference to the Inspection and Sale Act. Briefly it may be noted that the Inspection and Sale Act asks that the Inspection and Sale Act asks only that the fruit be packed honestly, of the same quality from top to bot-tom, and that it be marked honestly, Grade No. 1 or Grade No. 2 as defined by the Act. There are few compli-cations about it, and there is no reason why any grower should be led astray by designing buyers.

#### CO-OPERATION

There are very few co-operative associations in this district. They are being strongly opposed by the buyers of the less reputable sort. These buyof the less reputable sort. These buyers of the less reputable sort. These buyers are not interested in securing a fair price for the fruit for the farmers, but are interested in making as big a profit as they possibly can. The larger buyers and real fruit merchants are in favor of co-operative associations, inasmuch as they enable them to get large quantities of fruit with to get large quantities of fruit with greater assurance that the quality and marking are right. But many dealers of the "sharp" sort see in the co-operative associations only a number of growers, not only for the purpose of

apple growers removed from chance of being imposed upon their fairy tales with reference crops, prices and market conditions.

APPLE BUYERS Not a few apple buyers attended these meetings. Some of them ex-pressed their approval of the Inspe-tion and Sale Act and of co-operative selling. But the most of them found seiling. But the most of them found in the Inspection and Sale Act, and in the co-operative associations, a restriction upon their actions. The members of the co-operative associations could not the co-operative associations could not be imposed upon. The manager, pro-bably a smarter man than the buyer, looked after the market end of the business for the grower. Some of these dealers were opposed to the In-spection and Sale Act because it in-terfered with their buying orchards by the "lump," With the spread of by the "lump," With the spread of knowledge and the help of the cooperative associations, it is to be 
hoped that the apple industry will 
dispense with many of these disreputable apple buyers, and that the 
fruit may pass directly from the producer to the apple merchant who will 
forward it and distribute it, with as 
little expense as possible, to the customer at home and abroad. tomers at home and abroad.

RECOMMENDATIONS

Everywhere there is evidence that Everywhere there is evidence that though orchards have been giving excellent returns, the orchardists are very poorly informed in their business. There is very much need for educational work throughout the whole of this district. By way of practical recommendation I would recommendation practical

That main tile drains, at least, 1. That main tile drains, at least, be run thrugh the depression in the orchard. It would be much better if the whole ground were thoroughly under-drained, but if only the maindrains were put in it would imprenaters very much.
2. That cultivation be commerced as soon as the frost is out of the ground, and the cover crop sown not later than the middle of July.
3. That all orchards, old and young.

3. That all orchards, old and young-be sprayed at least three times with the poisoned Bordeaux mixture, the first spraying to be made as soon as the first green is seen; the second spraying as soon as the blossoms have fallen ing as soon as the blossoms have fallen; and the third spraying ten days or two weeks later. Better still, spray first with lime and sulphur between March 20th and April 20th or not later than just before the buds swell, and then three times with the Bordeaux mixthree times with the Bordeaux mix-ture as directed above. Either of these systems of spraying, even if followed mechanically, would hold in check nine-tenths of the insects and fungous diseases which infest the or-

That ar improvement be made in the system of pruning which would keep the outside of the trees thinner, and would grow more new wood on the larger branches towards the

the larger branches towards the centre of the tree. 5. That experiments be made in the low headed form of tree. This would have to be done consistently throughout the whole orchard, and the implements of culture would have to corres-

selling their fruit, but for the purpose of buying supplies and for the pur-pose of rendering themselves in a pose of rendering themselves in a measure independent of the itinerant apple buyer. The Inspection and Sale Act should be widely distributed and carefully read by every apple grower; otherwise a certain class of apple buyotherwise a certain class of apple buy-ers are apt to make false representa-tions to the financial loss of the grow-ers. I was unable to find a single grower who had sold under a con-tract drawn up by himself. Where contracts were signed they were drawn contracts were signed they were drawn up by the buyer and wholly in his interest. If a written contract accompanied every sale, with the stipulation that the grades N. 1 and No. 2 referred to in the contract would mean Grade No. 1 and Grade No. 2 as defined by the Inspection and Fale Act, much annoyance and serious financial loss would be avoided.

Articles in horticultural topics and photographs will be welcomed at all times for insertion in the columns of this department of The Canadian Dairyman and Farming World

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#### **HOW TO BUILD A GOOD FENCE**

reade wire and has an article quoted from builting of U. S. Dept. of Agrica made at home. Don't fall for wife how these draphs posts can be economised at home. Don't fall for wife how these thereby posts can be economised at home. Don't fall for wife how thereby the property of the bandless, ontario.

#### POULRY YARD Kanananananananananananan ku

#### Preserving Eggs

Many people wish to preserve eggs Many people wish to preserve eggs for home consumption, so we give below a few methods which have proven sufficiently satisfactory to war-rant their use: Eggs to be stored should come from hens that have no males running with them; should be perfectly fresh and them, should be perfectly fresh and the egg will prove the medium through which the other eggs will become tainted. A other eggs will become tainted. A dry, moderately cool cellar is the best

dry, moderately cool cellar is the best piace to store them.
Water Glass—There is probably no method which is more simple and more effective in the preservation of eggs than by the use of water glass (sodium silicate). Take ten parts of water which has been previously boiled and add to it one pint of water glass. This may be placed in a jar or tub and the fresh eggs added from time to time, always being careful to have at least two inches of the solution over the eggs.

lution over the eggs.

Lime Water.—Another good preservative may be made as follows: 3 gallons of water, 1 lb. of salt and 1½ pints of finely slacked lime. Mix thoroughly and allow the solution to stand a day or two and then remove the liquid by dipping or by means of a siphon. The clear liquid is then put into the vessel in which the eggs are to be kept, and the eggs added from time to time.

Bran and Salt.—Either one of these methods is reliable, but it must al-ways be remembered to have at least

ways be remembered to have at least two inches of either the salt or bran above the top layer of eggs. Cold Storage.—This is doubtles: the best method of all where it is possible, but owing to the limited number of storage plants throughout the country it will be necessary in many cases to resort to one of the previously men-tioned methods.

#### The Dry Mea! System

Hopper feeding is recommended by the Maine Experiment Station, and described in the report of the Massadescribed in the report of the Massa-chusetts Station as follows: "When the cockerels are taken out for finish-ing, the pullets of the same age, are moved to the grassy range, still occu-pying the same portable houses in which they were raised. At this time the method of feeding is changed, and dry food is kept by them constantly, the same portable of the same of the constant of the same of the same dry food is kept by them constantly, of the same soiled or wasted. The troughs are from six to ten feet long, with the soiled or wasted. The troughs are from six to ten feet long, with the sides five inches high. The lath slats are two inches apart and the troughs are sixteen inches high from floor to roof. The roofs project about two inches at the sides and effectually keep out the rain except when high winds are sides. winds prevail.

winds prevail.

"The roof is easily removed by lifting one end and aliding it endwise on the opposite gable end, on which it works. The trough can then be filled and the roof drawn back into place without lifting it. This arrangement is the best thus far found for saving food from waste and keeping it in good condition. When dry mash is used in it there may be considerable waste by the finer parts being blown away. When used for that purpose it is necessary to put it in a sheltered place out of the high winds. In separate compartments of the sheltered place out of the high winds. In separate compartments of the troughs, they are given cracked corn, whose wheat, oats, dry meal mixture, grit, dry cracked hone, oyster shell and charcoa." The dry meal is a mixture made up as follows: 2 parts good wheat bran and one part each,

weenessessessessessesses middlings, corn meal, gluten meal or brewers grain, linseed meal and beef scraps. The troughs are located about the field in sufficient numbers to fully

accommodate all the birds.

"The results of this method of feeding are satisfactory. The labor of feeding is far less than that required by any other method. The birds do not hang around the troughs and overeat, but help themselves, a hitle at a time, and range off, hunting, or playing and come back again, when so inclined, to the food supply at the troughs. There is no rushing or crowd-

feeding time, where large numbers are

feeding time, where large numbers are kept together.

"For the last eight years the first eggs have been lain when the pullets were from four months and ten days, to four months and tenty days old. There is some danger of the pullets getting developed and commencing laying too early for the best results, under this system of feeding. In order to prevent such conditions, the to such other, or to the feed troughs, and a large range should be given them so that they may be induced to work, which they will do if given the

opportunity, early after their removal to the fields. Should the birds show too great precedity, and that they are liable to commence laying in August, the supply of cracked corn and wheat in the feeding trough is reduced, or taken away altogether, which causes them to eat the oats and dry meal instead, and they continue to grow and develop without getting ripe too soon.

The Brooder is the safest place for early chicks. The hen, being an-xious to take special care of her brood, often trys to scratch for feed when it is warmth the chicks want.



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#### Explanation of Cuts Below.

Photo at left. These are stacks of Alfalfa on the farm of D. J. Shearer. Photo at right. An enormous potato Aeld—to acres—haresting over eood be, to acre—250,000 bs. in all and sold on the ground for \$300.00.

#### "Hurry to Colorado" Now









## The Canadian Dairyman Farming World

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sey Cattle Breeders' Associations.

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THE CANADIAN DAIRYMAN AND FARMING WORL PETERBORO, ONT.

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

#### PROFITABLE WHERE IT CAN BE GROWN

That fall wheat in limited quantities is a profitable crop where it can be grown successfully is abundantly proven by harvest reports that reach us from Western Ontario. Although in Ontario we cannot hope to compete with the West as a wheat producing country, we can grow wheat and grow it profitably.

Wheat, unlike some other grains, always has a ready sale awaiting it. True, the price fluctuates and is by no means as certain as it was of old. But a big price after being offered a good live happier lives. With such condiwith our modern facilities for hand-ling crops, wheat can be produced at later date, besides having to team farm life as the only true life; and men sigh for the good old times when wheat must be always more or less all yearn will steadily take place.

wheat sold for a dollar or more. They do not realize that even with wheat at 75 cents a bushel they are better off than in olden times when wheat sold readily for a much higher price. Today, by doing away with the summer fallow, and the exhaustive preparation that at one time was thought necessary to obtain a crop of wheat, greater profits are possible. By making use of a clover sod, barley or oat stubble land, plowing such with two furrowed plows and utilizing fast working implements, it requires but little labor to get the crop in. With the self binder and its labor saving attachment. the sheaf carrier, by making use of unloading devices, and threshing by means of the modern improved threshers, the cost of producing wheat has been reduced to a minimum. A limited quantity of fall wheat fits in well with the other work of the farm, besides being one of the very best crops with which to seed down.

Fall wheat requires land that is well drained and thoroughly prepared. If stubble land is to be used it should be plowed early. It will then be settled and can be gotten into good tilth before sowing time. Barnyard manure can be used to good advantage on land intended for wheat. It should not be plowed under. Apply it as a top dressing. You will then reap a triple advantage. You will have a mulch that will conserve the moisture, the fertilizing value will be retained, and you will insure a good catch of clover the following spring should you sow it.

There is a great difference in the yielding power of different varieties. Never be satisfied with anything but the best. Any extra return that can be obtained from sowing heavier yielding varieties is generally clear profit. Get the variety that will do best in your locality. Then stay by that variety, until you are convinced that there is something better. If a particular variety has been yielding phenomenally for a succession of years, get it; but first make sure that it has held its record for more than one year and that the apparent high yield is not due to an over-rich field or to some particular attention that it has received. Many farmers have come to grief on this point. A variety of fall wheat must be able to withstand a rigorous winter as well as other adversities that it may have to suffer, such as rust and lodging, and in some cases sprouting. Generally speaking it is safer to select a red wheat, such is usually harder than the white wheats, and weighs better per bushel, though, as a rule it does not yield so heavily. With a hard red wheat the danger of sprouting in the shock is largely done away with.

It is one thing to grow a crop of market it to the best advantage. Were available for recreation, our finan we prophets, marketing would be an ly known men to hold their wheat for

of a speculation. In the long run however, it is pretty safe to sell shortly after the crop is threshed, and the market has become established. It is rare that little is gained by holding wheat till the following spring. Any apparent gain is largely offset by the consequent losses of storing.

#### A PLEA FOR SHORTER HOURS

Despite the great advances that have been made in agriculture as well as in rural life, we still hear complaints of the hardships, the drudgery, and the long hours that seem inseparable from life upon the farm. Especially at this season of the year when everything is on with a rush, and labor is none too plentiful, it appears that we must put in longer hours than we would like. Such seems to be the inevitable. But is not much of it of our own making? Did we give our work more forethought and have it better planned could we not accom plish more than we are doing and do it in shorter hours, and thereby have more time for recreation or to rest our weary bodies for the work of the following day? This can be answered in the affirmative by all progressive

Recently while going through the country at twilight, we came upon a farmer in a hay-field, comfortably seated on a hayrake, complacently smoking his pipe. This man was wasting time. Being interested, we took occasion to watch him. For a long time afterwards our friend was still seated in this position and not attending to his work. Suddenly as if inspired, he started his outfit and resumed his task, though, by that time, it had become almost too dark to see. This instance is rather the exception than the rule. Nevertheless, do we not catch ourselves at times napping at our work? Do we ever stop to figure out what five or ten minutes rest taken frequently amounts to during the space of one short day, and for six days in the week? These are questions that we can very well ask ourselves, and then, having calculated the waste time spent, take it from our working hours, and use that time in some sort of recreation where it would be appreciated, rather than losing it in snatches throughout the day.

The human frame in general can stand only a certain amount of work. It has been our experience that where the longest hours are put in it does not follow that the most work is done. Often it is the reverse. With the work well planned in advance, the shorter day will see an equal or greater amount of work accomplished, the men and horses will be better able to wheat. It is quite another thing to do their work, more time will be will be little if any impaired, possibly easy matter. The writer has frequent- increased, there will be less heard of the drudgery of farming, and we will a very low cost. We frequently hear it in a busy season. The selling of that return to the soil for which we

#### REPAIR BREAKS ON THE FARM

Many of us do not realize the full value of making minor repairs to our machinery and implements upon the farm. By having to drive to town to get repairs, one loses much valuable time, besides paying the mechanic just as well do himself. The time has arrived when small repairs must be made at home if one would reap the fullest returns from his labor.

Many of us have provided ourselves with the tools necessary for these repairs. Others year after year persist in borrowing such from a convenient neighbor or driving off to town to get the broken parts repaired, while in the meantime the crops are becoming overripe, or are being unduly exposed to the elements. Had provision been made for making repairs at home the work would have been greatly facilitated, besides making a direct saving of time and money.

It costs but little to install the few tools that will answer for ordinary purposes. With a hand-saw, a ripsaw, bits of various sizes, a brace, chisels, nails, and a selection of varying sizes of carriage bolts, it is wonderful the repairs that can be made on ordinary breaks.

If we have been caught this season without the necessary kit for making the repairs that were sorely needed and which cost us loss of time as well as our good hard money, let us provide for such emergencies in the future. There should be no excuse for any farmer driving off to town to have his hay rake repaired, a new stick put into his hay tedder, a pole spliced, or to get a bolt to take the place of one which was lost or broken. Be prepared for any contingencies of this nature and you will have no cause to regret it.

So far as lies within our power, we try to admit to the advertising columns of The Canadian Dairyman and Farming World the advertisements of those firms only that we know to be reliable. Our protective policy, which is calculated to safeguard the interests of our readers, is published on the first column of this page. Read this over carefully. When writing to advertisers, always mention that you saw their advertisement in The Canadian Dairyman and Farming World. Then you will reap the full benefit of our protective policy.

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#### Cut the Grain on the Green Side

August 5, 1908

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With a short hay crop in many sections, dairymen are again 'up against' the proposition of providing a cheap roughage to feed their stock during the coming winter. There are those who have already provided for this contingency by planting an ad-ditional few acres of corn. Others may depend on alfalfa where this can be grown. But a great many will either have to reduce their herds this fall or purchase rough feeds. To the latter we would say, look after the grain erop. In order to make the most out of the situation the crop of most out of the situation the crop of straw must enter largely into the dietary of our stock, especially that of the dry cows and heifers. While we do not believe that the feed of these animals should consist wholly straw, yet we are convinced from past experience, that a large percent-age of straw may be used in com-pounding an economical, yet wholeome ration.

Straw chaffed and used in conjunction with enslage, turnips or mangolds, the whole mixed together and allowed to stand for 12 to 24 hours before being fed, makes a palatable and nutritious ration on which stock does remarkably well. We have gotten splendid results with this mixed ration fed twice daily to our milking cows when supplemented by a small feed of clover or mixed hay and a light grain ration. Corn slage largely entered into this mixture. In the absence of slage or results in feeding a ration of straw by using the refuse of sugar beet Straw chaffed and used in conjuncstraw by using the refuse of sugar beet factories, soaking it in water for a few hours, then mixing with the cut straw, or even scattered on the long straw. One chief factor to be taken into consideration in the feeding of straw, is sideration in the recently of straw, is to feed something with it that will act as a laxative. Straw is rather bind-ing in its nature. When fed alone the bowels do not perform their normal function, therefore the animal degenerates and loses flesh quickly. This will not be the case if some succulent or laxative food is fed in conjunction with the straw.

But there is straw, and straw. In order to get the best results from

order to get the best results from feeding straw, the grain must be cut on the green side; in fact, quite green. Before the green tinge has quite left the field, get the binder to work. Stook at once. Allow free access of sunshine and air to the sheaves. The ripening process will then continue, and a as an the heaviest crop on before he gets it onto the waggon, while the straw is little better than woody fibre. Such men as this critic, (and we have plenty of them), are the ones who believe in a ration wholly of straw for their cows during the winter season. These are the men as well, who own the "3000" lb. cows. When cut on the green side there is still suffint nutriment in the stalk to complete the ripening process and the cellular matter in the stalk, in which is the nutriment, has not yet turned to woody fibre. Consequently it has a considerable value for feeding pur-poses and it is relished by all classes

86

yet to learn the feeding value of straw, of good early cut straw. This was de-monstrated last winter through those sections where the hay crop was short sections where the hay crop was short in 1907. Large quantities of roughage had to be purchased, end many dairymen supplying milk for the Montreal market used straw largely in the ration with ensilage. By increasing the grain ration about two pounds a the grain ration about two pounds a day per cow in full mills, good results were secured, and the cows were brought through the winter in good condition. Cut the grain on the green side and you will not regret it this coming winter.—W. F. S.

#### What is a Good Average?

At Ste. Emelie, Que., in June, 142 cows gave an average yield of 546 lbs. milk 3.8 test, 20.8 lb. fat. The best herd average was 631 lbs. milk 3.8 herd average was 631 lbs. milk 3.8 test, 24.3 lbs. fat. The highest yield of any one cow was 1030 lb. milk testing 3.5. The poorest herd was one of 13 cows that averaged only 392 lb. milk and 16 lb. fat. If the 13 cows in this herd had given only enough milk extra to bring them up to the average extra to bring them up to the average yield of all the 142 cows in the association they would have given enough milk in the mouth to make an extra 182 lbs. of cheese worth \$20.00. That would not be much improvement to ask just to bring them up to the average, not the best herd; and if the cows are such that they cannot

the cows are such that they cannot be made to yield an average quantity, should they be kept? At Warsaw, Ont., in June, 118 cows gave an average yield of 959 lb. milk, 3.2 test, 99, 1b. fat. The best herd average was 1042 lb. milk, 32.3 lb. fat from a herd of 96 cows. This association record is in rather sharp contrast to the one above, and indi-cates the great differences that exist-between the results obtained in differ-between the results obtained in differbetween the results obtained in differ-ent sections of the country. Stated in another form, if the Ste. Emelie cows were as good milkers as those at Warsaw, they would have given an extra weight of 54,340 pounds during the month.—C. F. W.

#### A Real Live Bargain

Bargains are sought after by all, at Bargains are sought after by all, at all times of the year. We are always eager to hear of real bargains and to tell our neighbors of them so that they may take advantage of them as well as ourselves. Have you ever paid any attention to the bargains offered by the Canadian Dairyman and Farming Weekl<sup>2</sup> We offer you many each World? We offer you many cash prizes, as well as prize winning stock prizes, as well as prize winning stock, and all we ask in return is some of your spare time, which many of us are so liable to waste without a second thought. New subscriptions are of value to us. We hope some of our prizes may be of value to you.

our prizes may be of value to you. Many people, when you approach them on this subject, will put you off with the answer "I have no money just now." Do not take this as a final answer but make an appointment for some future call. "To keep everlastingly at it," is the secret of the success of many of the world's best men. If you are that you will undoubtiefly cess of many of the world's best men. If you see that you will undoubtedly receive a negative answer to your proposal, do not ask your prospective subscriber to take the paper immediately. Talk up the good points of The Canadian Dairyman and Farning World, give him one or two sample conics and leave him in a pleasant copies and leave him in a pleasant humor, to think them over for a few days. Then, when you call again, he will at least be glad to see you and you will have a better chance of succ



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tant work. One of the reasons why a young farmer does not always readily see the value of much reading is that he is apt to look at it from a thoroughly practical standpoint and is not quick to appreciate the worth of things that are not immediately available as

means of advancement. Our combined paper is receiving commendation on all sides and is proving much more popular than either The Canadian Dairyman or The In Scotland, straw enters largely into the dietary of the live stock, in conjunction with turnips and many conjunction of the conjunction of th

"I have no fault to find with The anadian Dairyman and Farming Canadian Dairyman and Farming World."—Mr. John McAinsh, Middle

World."—Mr. John McAinsh, Middle-sex Co., Ont.

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ing World, enclosed you will find th \$7.00, for which you will send me a pure bred Yorkshire Boar."—Mr. Wm. Stratton, York Co., Ont.

matters relating to butter making and to sug-gest subjects for discussion. Address your letters to the Creamery Department.

#### Nessessessessessesses Some Advice to Butter Makers

Butter-makers should aim above all things to keep their creameries neat and clean in every respect. It is sur-prising what an effect this will have upon patrons visiting the creamery.

They will go away feeling that the maker is endeavoring to do his part, and that it is up to them to do theirs.

Patrons should be encouraged to visit the clean and neatly kept creamery. It is an object lesson that will remain

with them.

There is an object lesson in the dirty and badly kept creamery also; but it is of a different kind. It would be better if patrons kept away from such, though if they act upon what they saw a change of makers might result and new and better conditions follow. The butter-makers should aim to keep their creameries in such con-dition that it will be an object lesson of the right kind to their patrons at

-Makers should also visit their patrons. Both the visitor and the one visited will be benefitted. Such visits visited will be benefited. Such visits are best made about milking time. Suggestions as to the care of the cream can be made without giring offence. Last spring an enterprising Wisconsin maker visited all his patrons. He contrived to be at their farms about the milking hour. He took along with him samples of washing powder and also scrubbing brushes. He explained the use of the powder and gave suggestions as to es. He explained the use of the pow-der and gave suggestions as to being clean about the milking and caring for the milk and cream. He asked his patrons to white-wash their stables, to have them well-ventilated, to let in plenty of sunlight, and be return. He asked for their co-operat-ion in making good butter, and stated that if he were assured of that they that if he were assured of that they could depend on him to do his best in turning out a good quality of butter. He reported afterwards that his instructions were received as a usual thing with great interest and that an improvement resulted along many of the lines advocated. The quality of the raw material received at his cream-ery was very much better after his

There is an object lesson in this for Canadian makers. At the cream gathering creamery patrons live sometimes at long distances from the creamery, at long distances from the creamery, and it may not be possible to visit them very often. But it should be done as often as the maker finds time and opportunity. If every creamery patron could be visited once a year and given instructions as to the care of his cream, it would go a long way towards improving the quality of our butter. It will pay creamery be the payer of the visiting to be done. They could afford to pay a little more for making rather than not have it done.

#### Will Visit the West

Dairy Commissioner Ruddick will make an extended tour of the West this summer, going through to the coast. He will make a study of dairycoast. He will make a study of dairying conditions and the progress
the industry has made since his
last trip a few years back. The
educational work in dairying in the
West is now being done by the provinces. Any assistance Mr. Ruddick
may be able to render will be chiefly
in connection with the marketing and handling of the product. There a possibilities in the development of

Creamery Department East that should not be over-looked, though the demands of the home mar-ter in the west just now prevent any energetic effort in this direction.

#### Notes from Eden Creamery

Ed. The Dairyman and Farming World:—Our make of butter for this season has been very satisfactory considering the condition of the cows when they went out to grass. The great shortage of feed caused the cows to go out in very noor condition, and to go out in very poor condition, and in spite of an abundance of pasture the cows are not up to their usual the cows are not up to their usual average in milk. The recent fine rains have checked the very marked decrease which had set in during the early part of July. We hope to see the make hold up well throughout this month. The strong demand for "Eden" butter has kept our storage room practically empty. We are trying every means to improve the quality of our product, and we are aided in this respect by our inspector, aided in this respect by our inspector,
Mr. J. Stonehouse, who suggested in
the early part of the season that we
provide the cream waggons with canvas covers to throw over the cans.

vise the use of these covers by those who are not using any protection for their cans. They most assuredly tend towards a better grade of butter.—B. J. Payne, Butter-Maker, Ontario Co.,

#### Buttermilk a Microbe Killer

It is said that the best cure for the "blues" is buttermilk. If so there is a need for it larger than many people imagine. Bad temper and that distressing complaint known as melancholy are said to be caused by a microbe. Buttermilk is fatal to this particular bacillus. It drowns out or choly are said to be caused or superiobe. Buttermik is fatal to this particular bacillus. It drowns out or paralyizes it with its pungent acids. So when the "blues" come on and you feel like abusing the dog, quit coffee, tea and all kinds of intoxicants and disk buttermilk.

Dairymen all over Ontario, but especially the members of the Western Ontario Dairymen's Association, will deeply sympathize with the Misses Mary and Agnes Morrison, of Newry,

Better Butter comes when

#### Windsor Dairy Salt

is used. It's so pure and well - savoured. At all grocers'.

mided in this respect by our inspector, Mr. J. Stonehouse, who suggested in the early part of the season that we provide the cream waggons with ean-provide the cream waggons with ean-vas covers to throw ever the eans. We find that they have aided very the materially in improving the quality dust off the cream. They keep the mud and just off the cream and hold the temperature of the oream only at least four degrees. I would strongly ad-



Use address nearest you.

possibilities in the development of a trade in Canadian butter with the far See Our Exhibit in the Process and Implement Building at the Toronto Fair

## Cheese Department

iscussion.

#### นี้อออออออออออออออออออออ Develop the Home Market for Cheese

Canadians are cheese-makers, not heese-eaters. A very small percencheese-eaters. cheese-eaters. A very small percentage of the cheese we produce is consumed at home, though the amount is increasing each year. In any case the home consumption of cheese is away below what it should be, and what it might be, if more attention were given to catering to the home demand. Our dairymen have paid litdemand. Our dairymen have paid in-tle or no attention to the home mar-ket. It has been largely used as the dumping ground for "culls." Upon the unsuspecting patron has been loaded the "rejected" and what he could or would not take has been palmed off on the storekeeper in he could or would not take has been palmed off on the storekeeper in neighboring towns and villages. With hundreds of factories producing occasional batches of "culls," and which were guiten rid of in this way, the supply of inferior stuff loaded on to the local marlet was by no means small. Conditions have however, "culls" are being made, and, consequently the local consumer is getting better cheese for his own use. In the better cheese for his own use, I large cities, such as Toronto In the better cheese for his own use. In the large cities, such as Toronto and Montreal, where large quantities are consumed, the trade is looked after by jobbers, who buy the season's output of a factory or two. Often, too,

#### FOUNTAIN PEN FREE.

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in connection. For further information
apply to, ALEX. F. CLARK, Poole, Out.

apply 10, Assert 0 von POR SALE. - Newry cheese factory. Situated in first-class locality; good dwell-acted in first-class locality; good dwell-acted in the second second in the second second in the second second

SON, Newry F. U., Alaman E. 8-25
OWNERS OF CHEESE FACTORIES AND
CREAMERIES desiring to make direct
shipment to Great Britain, will have
an opportunity of meeting a large Brittish importer in July. Further particutars may be obtained by writing Soz F,
Canadian Dalryman and Farming World.
D. W.

#### **VELL & CHRISTMAS**

WEST SMITHFIELD

-AND

TOOLEY ST., LONDON, LIVERPOOL and MAN-CHESTER, ENGLAND

MONTREAL - CANADA

Our British facilities give us an unexcelled opportunity to pay

HIGHEST PRICES

FOR BUTTER and CHEESE Thus it is, in one way or another, the inferior stuff, that will not pass mus-

ter for the export trade, that finds its way to the local market. Under these conditions, is it any wonder that Canadians are not large consumers of cheese? They do not consumers of cheese? I know what first-class, know what first-class, well-cured cheese is. What they buy for cheese is often nothing more than old curd. is often nothing more than old curd. It is dry, leathery, unpalatable, and, what is worse, indigestible. There is nothing in it to attract or to create a desire for more. People buy it because they think cheese is required People buy it to complete the bill of fare, and not because it will contribute anything to the nutritive value of the meal. Even if a well cured cheese is found on the local market, it frequently has some foreign flavor, that has been some foreign accentuated in the curing accentuated in the curing anything but inviting. The person buying such chases for well-cured stock, is not impressed with its quality, and prefers the less cured article, in which bad flavors have not had a chance to develop. It is far from being what well-made, well-cured, pure-flavored, finely-textured cured, pure-flavored, average control to the larger centres like well. some foreign flavor, the accentuated in the curing, management inviting. The coured, pure-flavored, finely-textured cheese ought to be. The average could cheese ought to be. The average cheese ought to be. The average cheese ought to be. The average cheese could be the country of the country

There is no uniformity in quality, foreign flavors of all kinds are met with, and, for the most part, the cheese is uncured and unpalatable.

There has been, as we have already stated, some improvement in recent years, and the local market is getting a better quality of cheese than it did ten years ago. This has not een because any special effort has een made to cater to this trade, but because the general quality of the product in the country has greatly im-proved. The work of the instructors is decreasing the number of "culls" and there are fewer cheese rejected by the bayers. And thus, it might be said, in spite of the dairymen, the Canadian consumer is getting a bet-ter quality of cheese. The effect has been to greatly increase the home Canadian consumer is getting a out-ter quality of cheese. The effect has been to greatly increase the home consumption of cheese, Mr. J. A. Ruddick, Dairy Commissioner, in his evidence before the Agricultural Committee of the House of Commons committee of the route of commons recently, stated that the decrease in exports could be accounted for to a large extent by the increase in the local demand for cheese. If, therefore, so much can be accomplished by a general improvement in quality, what might not be done by giving some special attention to the needs of the home market. Ways and means of doing this will be discussed in later issues.

#### Dairying in Hastings and Prince **Edward Counties**

A couple of weeks ago several dairy instructors of New York State visited Prince Edward and Hastings visited Prince Edward and Hastlags counties, to make a study of dairying conditions, and the methods of instruction followed in Ontario. In company with Chief Instructor Publow, they visited a number of cheese factories in that district, and, needless to say, were very favorably impressed with what they saw. Mr. W. Hall, of Guverneur, N.Y., one of the delegation, in a letter to the pressed W. W. F

cheese Department at considerable reduction in price.

to our readers:

Mr. Hall makes special reference
to the good roads in these counties,
which are always kept in good repair.

Speaking of the farms, he says:
"The farms are under a high state cultivation, and at present they harvesting a fine crop of hay, with great prospects for a large yield of oats, barley and wheat, with the corn crop in a flourishing condition. The occupant of the farm is, in neary every case, the owner, and the buildings would warrant one in thinkbuildings would warrant one in think-ing that his finances are in a healthy condition, as the houses are in many instances built of brick, the barns are new, and of the latest and most con-venient plans, with all of the modern well kept, as a rule, and flower beds adorn their front yards. There cer-tainly must exist a fertility in the soil to produce such results.

talnly must exist a fertility in the soil to produce such results."

In regard to dairying, Mr. Hall writes in glowing terms of the manner in which patron, maker and instructor cooperate to produce the very best quality. Chief Instructor Publow's ability and work are spoken of in the highest terms. At every factory visited, his last words to the maker were: "Make none poorer than these with results of the product of the product of the maker were: "Make none poorer than the sould be product of the than these, and as much better as you can.

#### CURING ROOMS

should afer 24 hours old, be placed in a temperature not to exceed 60 degrees, and that the temperature must remain constant if best texture and

r are to be secured. ntain View an ice constructed adjoining Mountain nstructed adjoining room, and filled wit constructed adjoining the curing room, and filled with ice.
The walls are filled with shavings, so that no sawdust or other material need come in contact with the ice. In-takes are made through the wall to the curing room about a foot from the floor, where the cold air, fresh from the ice enters. Five or six outlets above, under the ceiling, are pro vided for the warm air to enter the ice room again, providing a circula-tion of dry cool air all of the time, night and day, without regard to the atmospheric conditions outside. atmospheric conditions outside. It is inexpensive, as the patrons, who are the owners, build and fill the ice houses themselves. This process is called 'cool curing.' Better results follow than is the case when cheese is kent just above the freezing point. Altogether, Mr. Hall's letter i

Altogether, Mr. Hall's letter is very flattering as regards agriculture and dairying in Prince Edward and The farm homes, Hastings counties. The farm ho he says, compare favorably with homes in the county towns of Belle-ville and Picton. These homes have been built, equipped, and are being maintained by the well-managed cheese factories in the district, where only the finest full cream cheese are made. The present generation is de-"It has been found by both scien-veloping a rich heritage for the tific and practical demonstration children, whose future is secured. their



is desirable to mention the name of this publication when writing to advertise





#### Our Duty

HIS truth comes to me more and more, the longer we live: that on what field, or in what uniform, or with what aims we do our duty, matters very little, or even what our duty is, great or small, splendid or obscure. Only to find our duty certainly, and somewhere and somehow to do it faithfully, makes us good, strong, happy and useful men, and turns our lives into some feeble echo of the life of God.

Phillips Brooks.



### The Battle

East Broadway tenement. He found his wife in his office—the front room— sorting papers at his desk beneath the brilliant blaze of a Welsbach light. She wheeled in the revolving chair to get his kiss.

"'Are you tired, Morris?" she asked. Her face was unusually thoughtful.

"Why-anything wrong, Nell?" He dropped wearily into a large, soft arm-

chair.
"Nothing wrong," she said slowly,
"except that you are tired—" and
then she added wistfully, "but are you
too tired?"

He smiled.
"Not too tired, little wife. Swing out

on me."'
She drew her chair nearer his. Her hands were full of papers.
"I've been reckoning all evening." she said, slowly, as he fondled her free hand, "and it's terrible."
"I know," he acknowledged sympathetically. "It is awful. I'm a

wretch.

"But you really are, Morris," she said, softly touching her lips to his hand. "You've worn my husband out, and worried his wife to pieces, and we and worried his wife to pieces, and we are getting poorer every day. Now listen," she went on. "How much rent do we pay?" And then she added in an undertone, "I know it's mean of me to bother you."

He smiled. Thirty-five dollars a month. What

else?"
"Five dollars a month for gas," she went on, with alow deliberateness; "five dollars for laundry; forty-five dollars for table; twelve dollars for help—how much is that?"
"Guess!" he exclaimed, his eyes

"Guess" he exclaimed, his eyes twinkling.
"Don't, Morris," she cried, inwardly hurt. "You must think of money to-night. You must."
"Poor little wife." he exclaimed remorsefully, "I always put the whole burden on you, how much is

She looked at him gravely.
"It's one hundred and two dollars."
He whistled.

He whistled.
"Think of it." she went on. "And between us we need five dollars a week for little things—that's twenty dollars a month—and three hundred dollars a cheerfully.

"Pretty good, isn't it?" he smiled a cheerfully.

By James Oppenheim.

R. MORRIS RAST returned home year for clothes—twenty-five dollars, at eleven p. m. "Home" was a month. Altogether," ahe said, fourth of the ground floor in an very soberly, emphatically, "one has the vibration of their breath-morth of the ground floor in an very soberly, emphatically, "one has the vibration of their breath-morth of the property of the papers at his deak beneath that doesn't count going to tree, but the papers at his deak beneath and presents are presented to be with you. I love you so will be the property of the papers of a Welsbuch light, and things for your office, and lik kiss, in the revolving chair to be like, and things for your office, and "It's wonderful," she breathed

"Wait," she said, "that's what ou earned,—but you didn't get that." Three months back ninety-five dollars were paid in; two months back, exactly one hundred; last month exactly eighty; this month—so far-twenty-five dollars. But you'll ge But you'll get more, of course.

He puffed silently.

"Well, what have you to say?" she demanded. She seemed to be greatly troubled.

"H'm. That's pretty bad. How much have we drawn from the bank? "Three hundred and sixty-five lars. In other words we're running eighty dollars behind each month." She sat back. They were silent for a full minute

The world outside and above them The world outside and above them—
the night and the human beings
asleep in it—was intensely silent.
Their nickled alarm clock throbbed
as if it had palpitation of the heart.
The white light fell sideways on their
faces, making them stand out in vivid
action, the property of the stand of the side of the si relief—they were two very fine faces, the woman's oval-shaped and olive the woman's oval-snaped and onve-tinted, with large, dark eyes and soft rolling hair; the man's strong and dark and determined, his firm lips without moustache, his hair bushy and black

In the silence, the light seemed to sleep upon them, pervading the room with a weird atmosphere—thick and full of the feel of home. Every motion then was full of meaning, the slight



Watching the Little Sufferer

lit it. "One hundred and eighty dol-lars, little manager," he cried. "Well,

lars, little manager, you're a trump."
"Now listen," she said, glowing with pride at his words. "Here's what my pride at his words. "Here's what my listle, man earns." She picked up a doctor-man earns." She picked up a bunch of carefully compiled index cards. They were in her hand writing. "Three months back, one hundred and thirty-two dollars and fifty cents; two months back, one hundred and ninety-eight dollars; last month one hundred and seventeen dollars and fifty cents,

books, and a hundred other things, quickly. They caught the meaning in We really use about one hundred and eighty dollars a month."

He took out his pipe, filled it and to sit there, in their home, late at

to sit there, in their home, late at night, and know each other's presence. "But, Morris," she said at length, smiling, "Won't you worry a little? We must, we must. Don't you see it's impossible?" He tried hard to see.

"Is anything impossible to my little

manager?' She forced a frown.

She forced a frown.

"Now, no more of that," she said sternly, "Listen, dear. Please listen sensibly. Here's the whole secret of it—you have a perverted sense of duty. What could you ever have done if your father hadn't left you four thousand dollars after he saw you through college and the hespital? Morris, if you for the control of the college and the hespital? Morris, if you for the miss around, and he made a fortune—or rather a fortune fell into

quit charity, and set-yourself to it, you could earn a decent living."
"Charity?" His eyebrows went up.
"Yes, charity," she continued with great emphasit. You had me come down here with you—why? To make money? You know you didn't, dear. You thought you over a people, and—and"—she your own people, and—and"—she of the word of the

your own people, and—and"—she made a grimace—"they seem to think so too. Why, they've been sponging on you."

"Sponging?" He knit his forehead.
"Yes—sponging. Hasen't I seen it a thousand times?" She was fully aroused now. "You only charge fifty cents a piece for the office patients, and time and again I've heard some old schnorrer (sponger) say, 'Ach gentlemans, does gentlemans, does gentlemans, does gentlemans, does gentlemans, dear gentlemans, bottor, you would to please wait. Ich habe kein geld (I have no money)."

Her imitation was so lively with such life-like grimaces and gestures, that he laughed uproariously.
"Do that again' he commanded. She seemed a little angry.
"Do that again' he commanded. She seemed a little angry.
"You have the do you do?" she continued what do you do?" she was a she wat what do you do?" she was a s

bours, these money troubles, this of the control of eternal disease.

eternal disease."
"Oh, you're right! Thank God you say that!" she cricel fervently.
"Oh, Nell." he burst out suddenly, "if we could only get away from it all—get out to clear skies and clean meadows—and home—and find peace! Peace! that's what we need! Pevce! This clamor and rush and excitement drawn on this very soul. It is that the state of the state of

She suddenly looked radiantly happy.

"I wanted you to say that ever since you came home! I knew you foit that way. Now, listen," she went on excitedly. "Just this evening a letter came from Minnie-Minnie Shanksy-you know her-she moved up to Hartley, Connecticut, a couple of years ago and I've written her often. Listen-oh this is great news!"

She pulled out a letter and he sat forward as she read it.

is lap-for all he had to do was to

sit at home and wait until people got sick. Then he hitched up his horse

sick. Then he hitched up his horse and buggy—and later his automobile— and took a pleasant drive. It didn't matter whether he killed people or sured them—he was a Trust. Now here's a proposition. I guarantee that if you and your handsome hus-band come out here now—right now— the field will be found to the proposition of the company of the proposition of the proposition of the even if there were competition, he's so

even if there were competition, he's so darkly handsome that we would all prefer him. But there isn't compe-tition, and there won't be—I'll see to

bound to be happy here—think of it— ten acres of ground, a dear little cot-tage, fresh vegetables, delightful

large, fresh vegetables, delightful woods and brooks, beautiful days, stormy or clear, plenty of books, and

lovely neighbors who are never in a hurry and are peaceful and happy. Besides, the Doctor is so highly res-pected. He's the first man in the

pected. He's the first man in the county; his word is law. "Now think the minute you get this— and act quickly. The least delay may spoil all. You must come.

(To be continued) Messessssssssssssssssssss Asked and Answered Readers are asked to send any questions they desire to this column. The editor will aim to reply as quickly and as fully as space will permit. Address Household Editor, Canadian Dairyman and Farming World Peterboro, Oat.

¥\*\*\*\*\*\*\*\*\*\*\* can I remove grass stains from lawn.—Gussie Stewart, Leeds Co

Common cooking molasses is good or this purpose. Cover the spot and Common cooking molasses is good for this purpose. Cover the spot and leave the molasses on an hour or so Wash in the usual way. A second application may be necessary. Javelle water would also remove stain. It can be procured from any druggist, and is cheap.

I cannot get my cream to whip. I have tried putting it on ice for a time before whipping, but it does no good.—Jane Aus-tin, Frontenac Co., Ont. Probably the cream is too fresh. It should stand for some time before it should stand for some time before it will whip. While you are whipping keep it in a cool place. It is a good idea to have the bowl containing the cream in another dish in which there

YOUR LOVING MINNIE."

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#### A Kitchen Refrigerator

Prof. W. H. Day, O.A.C., Guelph

How to construct a kitchen refrigerator can best be answered by use of a drawing. The left figure in the cut below shows the outward apppearcut below shows the outward apppearance and also gives dimensions taken from a refrigerator large enough for a family of five or six. The doors are flanged as shown by dotted lines, and the latch should be so arranged as to keep the door jammed tight shut. The door to the ice-box is sometimes put in at the top, instead of the front, but with the door in the top the ice is often accidentally let slip, injuring the box. the box

tition, and there won't be--Til see to that. So he can step into a fortune. Make him come; do make him come. You are simply stuck in the med where you are; you can't even imagine what country life means—how glorious, sane, sweet, complete it is! You're The central figure is a section from left to right. It shows the refrigerator to be composed of an ice box above, a storage chamber with two shelves and a base. BB shows a large galvanized iron tray with a large piece cut out of the centre. This tray rests on two cleats, one on the back wall and one cleats, one on the back wall and one on the front, but does not touch the side walls. AA, the extension of the sides of the tray BB, are of galvanized iron. They fasten around two rods crossing from front to back near the top of the ice box. The ice rests on an open bench of galvanized fron which stands in the tray BB, and is a standard with a camppy below it so that the contract of the contract

Never Go Empty-Handed That is what mother used to say to me many times when I was a child. If I was going upstairs, I must look about me, and see if there wasn't something downstairs that belonged upstairs that I could carry up and put into its place; and so on from one part of the house to another.

She always said that it would be a great help in one's housekeeping, and

saved lots of unnecessary steps, if people would just remember that little rule, and although I fail in many ways to practice all the good things she taught me I have often found my-self saying to the children as they help about the house: "Never go empty-handed."

empty- handed."

Children have such a wonderfully unconscious way of walking right over things instead of picking them up, and restoring them to their proper places

So I shall often repeat the little rule to them, nartly to help them, and partly to relieve my own feelings at their carelessness, and if they do not always obey the injunction now while they are young, they may in after years remember it as one of mother's helpful rules.—Georgia A. Chapman, Peterboro Co., Ont.

#### Simple Living Best

through the opening in BB, but must fall into the tray itself. From this tray a tube (see right-hand figure in cut) is led down the back of the lost-orage chamber and out through the floor. Through this tube the water runs down into a pan below, or into a quantumed which may be fitted with a tube so as to carry the water away.

selves, and in after years they will bless you for so doing.
We will take into consideration the

washing and ironing. An Institute speaker suggested Tuesday as the pest day for washing. Others prefer Monday. Do not think of preparing Monday. Monday. Do not think of preparing an elaborate dinner on that day. Aim to have cold meat, which can be sliced; have the children prepare the vegetables before going to school. Get everything into ship-shape, so that it will not take much of your time to get up a comfortable meal.

Use all the labor saving devices you can. A washing washing

can. A washing machine, clothes wringer and others you can procure. By putting a spoonful of powdered By putting a spoonful of powdered borax or ammonia in the boiler with the white clothes, it will aid in cleans-

the white clother, it will aid in cleansing very much.

In ironing do not waste time on such articles as will do as well without. Sheets taken off the line, folded neatly and hing upon the clothes rack will look as well as if you had spent ever so much time goin over them with an iron. Some recommend a mangle for certain articles. I have never used one, so cannot speak from experience.

experience.

experience.

if time is limited, do not waste it im the first place by putting on frills and flounces, and, in second, by having the same to irrese.

Aim at simplicity in dress.

Contriev your work well. Work well planned is half done. Aim to have all done in the forencon, the afternoon you will have for sewing and social observances, and surely you will be able to sandwich in one institute meeting every week.

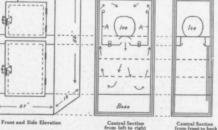
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R R R

Tea leaves should never be used for sweeping purposes until they have been well rinsed in several changes of water. This succeeds in extract-ing any remains of coloring matter, which would otherwise have the effect of staining the wool of the carpet.



is some cracked ice, if you have ice at hand How can I use with variety salt mask-erel, halibut and salmon?—Mrs .T. Long. New Brunswick. Salted mackerel should lie in cold

water over night to freshen; salmon, being thicker, needs to stand in the cold water from 36 to 48 hours. Then cover with lukewarm water, and let then at gradually to the boiling point; then at once remove to a cooler part of the range and let stand, where the water is kept just below the boiling point, about half an hour. Serve with plain, boiled potatoes and egg or nickle save pickle sauce.

The wire basket is a saver of time and strength. The fruit to be peeled is put into the basket, which is low-ered into a deep kettle partially filled with boiling water. After a few min-utes the basket is lifted from the boiling water, plunged for a moment into cold water, and the fruit is ready to have the skin drawn off.

#### . .

When mixing flour for thickening to 3 inches thick. add a pinch of salt to the flour before mixing with water, and it mixes much more smoothly, without lumps. Have you secured any of our premumber of the properties of the same of the

The principle is as follows: The colder air around the ice sinks though the open bench on which the ice rests it true with growing children, w the open bench on which the ice rests and passes down into the storage room through the opening in BB. The warmer air from the storage room ascends between AA and the wall, strikes the top of the ice box and is deflected down to the ice, where it is cooled and again passes down. The arrow shows the air signature in the strong shows the air signature in the strong shows the air signature in the strong shows the signature that the signature is the signature is the signature that the signature is the signature that the signature is the signature is the signature in the signature is the signature is the signature in the signature is t arrow shows the air circulation

The efficiency of a refrigerator de pends to a very great extent on the construction of the walls. Two thickbetween, and a lining of galvanized iron would be fairly effective, the iron being used for sanitary effect. Some reputable firms advertise their re-frigerator walls to be composed as foltrigerator walls to be composed as fol-lows: 1. Outside case, oak or ash, 2. Water-proof paper, 5. Mineral wool, glass fibre in a thin mat, 6. Water-proof paper, 7. %inch pine, and 8. Inside lining, galvanized iron or other material. Such a wall would be 2½ to 3 inches thick.

ner of meat and vegetables with a sweet rich pudding. Particularly is it true with growing children, when they get something that is tempting to the palate, they are very apt to eat too much; then there is a derange-ment of the digestive organs, and headaches, and other ills, which entail a creat amount of sufficient a great amount of suffering, are sure follow

#### PLAN YOUR LIVING

Time is the most important factor housework. Let the housewife Time is the most important factor in housework. Let the housewife have a time table, and adhere to it as strictly as possible. Did you ever time yourself to do a piece of work? For instance, how long would it take you to make the bed, sweep and dust the room? If not, you will be surprised how much time you can waste. Do not dilly-dally over your work. Find out how long it will take you to do it, and go to work, as if you meant it. Then, again, train the children to help you; give each one meant it. Then, again, train the children to help you; give each one some task to do, and see that they do it; even the very small ones can do something, and in this way teach them self reliance. Do not wear yourself out waiting upon them. Teach them to depend upon them.



#### "New Century" Washing Machine

How the many transfer of the m rell Mfg. Co. Limited, Hamilt

#### X-000000000000000000000000000 THE COOK'S CORNER

publication in this column, Inquiries pertaining to cooking are solicited, and will be replied to, as soon as possible after receipt of same. Our Cook Book sent free for two new yearly subscrip-tions at \$1.00 each. Address, Household Editor, this paner.

K-------INDIVIDUAL CHERRY SHORTCAKES Make a rich biscuit dough and cut into rounds the size of a small sau-cer. Bake in a quick oven. When done split and batter quickly. Cover

one-half of each cake with fine ripe cherries, stoned and sweetened. Put on the other half of the biscuit and cover the top with cherries. Heap whipped cream over all and serve at These are delicious

PRESERVED CHERRIES

PRESERVED CHERIEIS

Select large, ripe, sour cherries;
stem, wash and pit them. Allow i
b sugar to 1 b. fruit. Let the sugar
and cherries stand in layers for i
hour, then simmer very gently in a
preserving kettle, until the cherries
thick. Sui boiling hot. In stoning
cherries always be careful to save
all the siuce. all the juice.

SPICED CHERRIES

Choose large cherries, ripe, but not soft. Stem, wash and pit them. To every 4 lbs. fruit allow 4 lbs. sugar, 1 cup vinegar, 1 tablespoonful cinnamon and 1 teaspoonful whole cloves, the spices in a muslin bag and put them with the surear winegar. the spices in a muslin bag and put them with the sugar, vinegar, and i cherry stones, on to boil. Boil slow-ly for 15 minutes. Add the cherries and let simmer until the syrup is rich and thick. Seal. These are delicious with game and cold meats.

Stem, wash and pit the cherries, heat gently, mash and heat slightly to extract the pince. To each lb. of pulp add & lb. granulated sugar, bring slowly to the boiling point, and simmer for 20 minutes. Skim, put into jam pois, and at the end of 24 hours cover and put away. CHERRY JAM

To 1 cup sugar add ¼ cup flour and a pinch of salt, mix well, and then beat in the yolks of 2 eggs dilut-ed with 2 tablespoonfuls water or h 2 tablespoonfuls water or To this mixture add 1 cup and drained ripe currants, ke in one crust. When done washed and drained ripe currants, and bake in one crust. When done cool and cover with the beaten egg whites, sweetened and flavored with I table-poonful powdered sugar and I teaspoonful lemon or vanilla extract. Acturn to the oven a few minutes until delicately browned.

DE DE DE Mince the left-overs of any sort of meat, season highly, put a table-spoontul on a four-ineh square of pastry rolled thin, fold, making a three-cornered turnover, and fry in deep fat.

Dt Dt Dt If a handful of salt is put on the bottom of the oven under pans when baking gingerbread or any cake easily burned, it will prevent its burn-

#### ELECTROLYSIS



HISCOTT DERMATOLOGICAL INSTITUTE 63 COLLEGE STREET, TORONTO, ONT.

#### A Work Bag Apron



THAT dainty aprons make valu able accessions to the toilet is an accepted fact and here is one that serves the double purpose of pro-tecting the gown and of serving as a receptacle for a receptacle for whatever needle-work may be on hand. When open

and tied about the waist it is an apron with a bag at the lower portion while when closed it is just a bag drawn up by ribbon strings.

In the illustration it is made of fine

white lawn but it is pretty in dotted Swiss and similar materials while it Swise and similar materials while it also is very charming made of simple silks, such as Habutai, India and similar sorts, both plain colors and figured effects being liked in silk as well as in cotton fabrics. Japanese silk with a design of cherry blossoms and the standard of the silk with a design of cherry blossoms. would be charming as also would be the far simpler Dresden dimity.

the far simpler Dresden dimity.

The apron is made in one piece.
There is a hem at the lower edge
and there is a tuck midway of its
length. The lower edge is turned up
to meet this tuck and the ends are to meet this tuck and the ends are joined, while ribbon is inserted in the hem and in the tuck which serves as a draw string. There is a belt attached to the upper edge with ribbon ties at the back.

#### . . .

#### Mrs. Dean's Ironing Auxiliary

One morning I ran in to see my good friend, Mrs. Dean. I always learn something, when I go there. This time she was ironing her linen dress skirt with a tape measure at heard which he are the second which he was to be a second with the second which he was to be a second with the second which he was to be a second with the second which he was to be a second with the second which he was to be a second with the second which he was to be a second with the second dress skirt with a tape measure at hand, which she used repeatedly.

That tape measure I could not understand, so finally Mrs. Dean said with a smile: "I iron it any length.

I want it short this time for a picnic. Again replying to my inquiring look, she explained that while away on a visit she saw a sign on some on a visit she saw a sign on some city laundry which read, "Linen Skirts Ironed Any Length." She went in to satisfy her curiosity, and learned that when damp a linen skirt may be stretched several inches either lengthwise or crosswise, and by taking advantage of this, a care-ful ironer may literally iron one almost any length.

That reminded me of how often a linen skirt is stretched out of shape and proper length by careless iron-ing, as many of us know to our

But since then I have made use of But since then I have made use of of the tape measure when ironing such skirts, and the result has been most satisfactory. I have never ex-perimented with anything else that way but mean to try other things sometime.—Country Girl.

#### . . . Easy to Secure

"I received the nice 1 eat cutter about a week ago, that you sent me for securing three new yearly sub-scribers to The Canadian Dairyman and Farming World. I think it was well worth trying for, as it was very easy to secure three new subscribers for your paper. I wish The Canadian Dairyman and Farming World much success." — Hilton Gallagher, On-

#### . .

Raw eggs beaten up in a little warm water and sweetened to taste, are much lighter and more digesttale much lighter and more digestible than when taken in milk. When taken in warm milk they are exceedingly nourishing, but for a delicate stomach not so digestible.

#### A Jelly Bag

To make a flannel straining bag, take a square piece of flannel, 34 yd. square is a good size), fold it to make a three cornered bag, stitch one of the sides, cut the top square across, bind the opening with strong, broad tape, stitch on this binding four tapes with which to tie the bag to a frame. To use this bag, tie it to a strong frame or to the backs of two kitchen

chairs. If the chairs are used, place some heavy articles in them; or the chairs bag may hang on a pole (a broom



handle) which rests on the backs of the chairs. A high stool turned up-side down makes a good support for the bag, then pour in the fruit juice which will pass through comparative-ly clear. Before it is used the bag should be washed and boiled in clear DE DE DE

#### Making Lemonade

There is nothing more refreshing on a hot day than a long drink of cool lemonade, but however anxious the housewife may be to serve this bevernousewite may be to serve this beverage, she very often does not have the necessary ingredients on hand, or she may not like to leave her guests to prepare it. It is just for this reason that the syrup that may be prepared by the following recipe is one of the greatest of household conveniences: Extract the juice from 12 lemons; greatest of household conveniences: Extract the juice from 12 lemons; grate the rind of 6 of the lemons and add it to the juice. Let the mixture stand for 12 hours. Then make a thick syrup of granulated sugar and water, using about 6 lbs. of sugar and water, using about 6 los. or sugar and just as little water as possible, as the syrup must be thick and smooth. When it has cooled strain the lemon juice into it; bottle in glass, being certain that the tops are secure and air-

#### . . Morning Prayer

The day returns and brings us the petty round of irritating concerns and duties. Help us to play the man, help us to perform them with laugh-ter and kind faces, let cheerfulness abound with industry. Give us to go ter and kind faces, let cheerfulness abound with industry. Give us to go blithely on our business all the day; bring us to our resting beds weary and content and undishonored grant us in the end the gift of sleep. R. L. Stevenson

# Baby's Own Soap

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#### Kettetetetetetetetetetet

# The Sewing Room

Patterns 10 cents each. Order by number, and size. If for children, give age; for adults, give bust measure for waists, and waist meas-ure for skirts. Address all orders to Pattern Department. ure for skirts. Address all orders to Pattern Department.

#### Fashions for Fall

Have you patronized our pattern department lately? Watch our pattern column for up-to-date and stylish fall styles. Our patterns are reliable and seasonable. They have given good serseasonable. They have given good service to a large number of women this year. Why not try ordering one or two and give them a trial? If you de-sire patterns of anything in particular that are not illustrated in the Pattern Column, send our household editor a post card telling your wants. They will be promptly attended to. All patterns, ten cents each.

#### EIGHT GORED SKIRT 5955.



This skirt is novel,

#### , and 32 in waist measure, and will ailed on receipt of 10 cents BOX-PLAITED HOUSE JACKET 5810.



Simple house jackets are always in demand for they fill a definite, practical need. This one is laid in becoming need. This one is laid in becoming box plaits, and is attractive at the same time that it involves very little labor.

Material required for the medium size is 4% yds 27, 3% yds 32, or 2% yds 44 in wide.

The pattern 5810 is cut for a 32, 34,, 36, bust and will be mailed 38, 40 and 42 in bust on receipt of 10 cents.

#### GIRL'S DRESS, 5759.



Here is a dress that can be made either with the that can be made of the with the square Datch neck, with a standing collar. There are tucks at the shoulders that green needs to the standing collar. There are tucks at the shoulders that green needs and Material required for medium size of \$6, yds 27, yds 41 in wide wide and 10 yds of wide and 10 yds of arrow half to the yds of narrow half the pattern is cut uses of \$6, \$20, 0 conts.

#### . . .

Treat your friends for what you know them to be; regard no surfaces. Consider not what they did, but what they intended.

#### SE 36 30

Do not discharge in haste the arrow which can never return; it is easy to destroy happiness; most difficult to restore it.

A man's own good breeding is the best security against other pe ple's ill manners.

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#### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* COUNTRY NOTES AND PRICES <u>Bassassassassassassassas</u>

CARLETON CO., ONT.

MEHIVALE. — Prastures are in poor condition. In many places cats are very short. The land is dry's and rain is much section. Haw has been better than last the whole grain crops are poor and will be a good deal short of an average. Hogs, lie a lb. d. w; lamb, for to lbe; mutton, 5c to 6c; beef, 5c to 8c; veal, 4c to 8c; call skims, 8c; hites, 4c to 6c; call skims, 8c; hites, 4c to 6c; old portages, 30c to 25c a dos; creamery butter, 21c a lb; colored cheese, 13c; white, 13c; all calls; colored cheese, 13c; white, 13c; all calls; colored cheese, 13c; white, 13c; milch cows, 35 to 89, cash; springers, 85 to 89, calls, with 8c; bit 8d, calls; shi 15c; shi MERIVALE. -- Pastures are in no

#### PRINCE EDWARD CO., ONT.

PRINCE EDWARD CO., ONT.

ALBANT. — Prince Edward county has passed through what might be called a passed through what might be called a tario in the unusual early set season, when it was practically impossible to get in our crops, even on the highest and best drained lands About the 20th of May seeding operations were begun. The business of the control of the cont light to medium; late oats, fair to very good; winter wheat, an average crop; roots are looking promising, and with continued showers may produce an average crop; corn, medium; potatoes, only fair; late, good prospects; apples, very light, and many trees dying. It is estimated that in many orchards one-half of the trees are dying. This is a conservative estimate the recent medium;—J. F. D.

#### HASTINGS CO., ONT.

HASTINGS CO., ONT.

CANNIFTON.—Although the hay eropyromised for the season, the actual amount harvested was above the average, but slightly below some early speculations. Because of last season's drought, nearly the acreage of clover was small. This scarcity of clover will prove a serious loss to dairymen. With high prices for bran, the dairymen will undoubtedly feed be short of protein fodder who have been considered to the control of the control of

ous, yet with frequent applications of 'bug death,' etc., the farmer is master. The farmer is master in the second of moisture when the roots should have been coming up, and so they had no start. Carrots, mangels and tursips which are doing well out of the second of t

quite pientiful; in others, winter appearance of the property of the property

HALIBURTON CO., ONT.

Haying is over. The croy was heavier than last year, and was also earlier. Fall wheat came through the winter well and has every indication of being a good crop. Clover wintered fairly well. Pastures and meadows are excellent. Grain crops and cooking fine. Oats are ripening and will soon be ready to harvest.—J. M.

#### VICTORIA CO., ONT.

MANILLA. — The weather in April was the hardest upon the year. A summary of the hardest was the hardest upon the young plants of red clover that we have had for the past six years. On that account here will be years. On that account here will be hard upon the align. Cross of all kinds are looking well since the rains of a week ago. Barley and fall wheat are being cut. Barley is a good crop but fall wheat is ago. Barley and fall wheat are being cut. Barley is a good crop but fall wheat is sign of blid. Otto are looking well and the state of the seed being amall owing to the excessive hot weather we had for a few days give hot weather we had for a few days give hot weather we had for a few days give hot weather we had for a few days even in looking well except where the well, and fall permitant. Boost promise well, and fall permitant. Boost promise well, and fall price have ben a fine crop, and plums and grapes promise well.—II. O., ONTARIO CO., ONT.

ONTARIO CO., ONT. ONTARIO CO, ONT.

TAUNTON. — The much needed rain of
the 17th, and an occasional shower since,
have greatly improved crops of all kinds,
particularly clover and hoed crops. Roota.
cottn and potatoes have made rapid
cottn and potatoes have made rapid
of the past. The crop has been well
saved. Barley and fall wheat are being
cut, and harvest is in full swing. Crops
are well up to the average, and stand up
with the control of the past.

The crop has been well
are described by the control of the
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set of the proper of the strain. Apples are about a per cent of a full crops—8. A. N. The some experience with the crop and can be commend its feeding value very highly, there may be found a sprinkling of affair fa and red top, is our main crop this year.

The commendation of the comme

CLARKE.—Fall wheat is not grown to any extent in this section, as it kills out belly in winter. Barley is very short in belly in winter. Barley is very short in the section of the sectio

#### NORTHUMBERLAND CO., ONT.

NORTHUMBERLAND CO., ONT.

HAWOOD. — Farmers are in the midst of haying. A fair erop is reported. The control of the control of

#### PETERBORO CO., ONT.

WARSAW. — The late rains were a veritable Godeend to the farmers. The rains have made a difference, so many farmers say, of 3% to 4 bushles increased yield an arce. Haying is over. Hay was an excellent crop. Boots are doing better than a week sep. Ocreain of all kinds are excellent, and the sep of the control of all kinds are excellent, and is now being pastured. Many of the farmers raise beef and hops. The belief is general that prices are going to rule high. A number of improvements are belief. A sumber of improvements are best and hops. Fig. 18 and the sep of the provided of the sep o

stables.—F. E. Crops are favorable.

LAKEHULBER. — The fail on Friday last caught a lot of farmers at their lay, and damaged what was out conceived, however, wenter the crops received, however, wenter the properties of the fail of the

#### WENTWORTH CO., ONT.

wage.—A.W.

WENTWORTH CO., ONT.

TROY. — The recent rains and the warm murky weather that followed for two or three days sprouted much of the wheat that had been cut. The white wheat, Dawson's Golden Chaff and Geneece the control of the control of the caught with the badly grown as to be unfit or millimited the caught with these latter vari-tie feel pretty side over it. Barley is all cut and in aboek. A special strain of barley which we find this year stood the storm much better than the Manscheurt. It stood up to the control of the control

been good. Have done no soiling yet, though we have fed a little bran to the best cows.—R. H.

hest cows.—R. H.

A movement that is rapidly eaining ground in the vicinity of Montreal, is the shipping of butter and cheese to the Gould Cold Storage Company, to be sold by a representative of the makers direct to the experience. A representative of the control of the contr

#### CANADIAN AYRSHIRE BREEDERS' ASSOCIATION

President—B. B. Ness, Howick, Que.
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ciation, Uniform Scale of Points, "Annual" of 1907 and 1908, (Illustrated.)

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#### BOOK DEPARTMENT THE CANADIAN DAIRYMAN AND FARMING WORLD

PETERBOROUGH, CANADA

#### MARKET REVIEW AND FORECAST

Reports of black rust in the American Northwest, and reports of a serious change in the condition of the wheat crop in the Canadian West due to continued dry, hot weather, have excited the market, and caused considerable buying on the part of commission men. The cantel effect of these untoward conditions is not exactly reports indicate. They are just the con-ditions for the "bulls" in the speculative

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15 ACRES — Town of Brampton, twenty miles west of Toronto, choice garden democ, with all conveniences, first class schools, churches and railroad connec-tions with Toronto; bargain, for sel-quick. Box 56, Canadian Dairyman and Parming World, Peterboro.

Toronto, August 5, 1962. — There is little new to report in business circles. The better feeling in trade generally continues due to crop prospects, both in Ontario and use to crop prospects, both in Ontario and the sent some increase in placing fall orders. Some late reports regarding the effect of the dry, hot weather on the crops in the west are a little disquieting, but looked for, and trade is more buoyant. The credits. There is an active demand for money and banks are lending at 6 to 7 per cent., and at about 5½ per cent. on call.

WHEAT

Reports of black rust in the American Northwest, and reports of a serious change of the credit of the dry, bot weather, have excited the market, and caused considerable buying on the part of commission men. The exact effect of the new crop, if this ontinues, the shortage in visible supply to the continuent, and the continuent of the continue and will give a good return. The dry weather of the past week, while it has afforded ideal conditions for getting in the wheat, has not been favorable for the the wheat, has not been favorable for the spring crop. But very little spring wheat is grown in this province, and so far as wheat is concerned the yield will not be allowed by it. Due to the injury to the lifetime of the second of the second of the lad an excited character at the end of the week and prices advanced. At Liv-erpool there is an advance in futures, though eash wheat is reported easier, though cash wheat is reported easier. Freely, and there is more new on the market than there is old. Old wheat is quoted here at 85 to 84c, and new at 81c to 82c at outside points. On the farmers' market fall wheat sells at 85c to 84c a bushel.

#### COARSE GRAINS

COARSE GRAINS

The hot weather is riperaling the outcrop very fast and may cause the grain
to blight and not fill out well. A good
shower would help the crop very much.
The market is on the quiet side and quotations are largely nominal so far as
Outario's are concerned. They are 48t to
Coutario's are concerned. They are 68t to
Coutario's are concerned. They are 68t to
Coutario's are concerned. They are 68t to
Parket on the season of the control of the
ers' market oats sell at 50t to 55c and harley at the same price per bushel. There
has been good harvesting weather for
barley, and a few days more will see this
crop in the barns. There are varying
reports as to the yield, some claim that
that it is in first-class condition. It is
quoted steady at 58c to 56c for No. 2, and
56c and 5% for No. 3 outside. There are
no quotations for peas. The outlook for
this year's crop so far has been good.
FEEDS

#### FEEDS

FEEDS
The corn market is strong in sympathy with wheat and because of higher cables. The past week has been favorable for the growing crop, and the probable pasks in the Varied States is about the Varied States is about the varied states is about the pask in the Varied States is about the heat of the Varied States is about the heat 50. Cronton freights, which is too high to admit of much business being done. The bran market continues strong, done the semand for this season of the about the semand for this season of the about the varied was the mills are running light. Outsrio as the mills are running light. Outsrio

sefficions, eith ribrount is braggin, for sale quick. Box \$5, Canadian Dairyman and Parmins World. Paterbore.

338 ACRES-35; miles from limit of California and the demand for this season of the part of the part

THE

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One of the 75 Branches of this bank is convenient to you. Your account is invited.

#### POTATOES AND BEANS

Ontario potatoes, although arriving in larger quantities, are not sufficient to supply the demand. American potatoes are still being imported. Ontario's are quoted here at 50c to 8.115 a bushel in carlots on track Toronto. On the farmers' bushel in the carbots of the still to 8.150 to 8.150

Trade in beans is quiet with prices firm at last week's quotations.

#### EGGS AND POULTRY

EGGS AND POULTRY
The seg market has kept up well though at the end of the week a little easier feeling was reported owing to increased this season of the year. The high proces which butchers are asking for meat tends to increase the consumption of eggs. Considerable shrinkages are reported in respits during the week because of the hot weather. At Montreal selects are quoted at 8c in a jobing way. Quotations here rule at 20c to 25c with an market new laid sell at 25c to 25c a dox. Spring chickens, dressed, at 20c to 25c; fowl, at ite to 15c, and turkeys at 17c to 25c a to.

Harvest apples are offering in larger quantities and are cheaper, selling on the Toronto fruit market at 20e to 36e a basket. There are some reports of bidding for early fall fruit. Buyers are offering 75e a bbl. on the tree, and growers are asking 90e to 81 a bbl. The berry season is over excepting for thimble berry season is over excepting for fnimble ber-ries. Blackberries are quoted at 11e to 15e a box, and cherries at 50e to 85e a basket. Blueberries still keep high at \$1 to \$1.55 a basket. Few Canadian peaches are offering. They are quoted at 85e a basket, and tomatoes at 40e to 75e a basket.

#### DAIRY PRODUCTS

at 88 to 89 a ton in car lots on track to large supplies being put into cold stor-Toronto. A small amount of new baled age. Creamery prints are quoted at 26c to Eco and colds at 25c to 25c and colds at 25c to 25c and roll at 25c to 25c at 2

#### LIVE STOCK

There was a fair run at the market last week. The week's business, however closed with the market generally expensed to the second common cattle offering. That were hard to sell, and too few of the well finished class which would have sold better. Taking it all in all there were too many cattle offering for the demand, and prices ruled weak, though values, quality considered, were not lower than early in the mand is, therefore, not keen. It is safe to say that Toronto consumes from one-third to one-half less meat during the summer than is consumed during the winter.

ter.
The trade in exporters, which showed The trade in exporters, which showed some improvement at the Union Stock Yards on Monday last, was quiet during the week, larged because for, if any, extended to the week in the week of the week of the work of the week of

cattle are steady at 13½c to 11½c a 1b dressed weight. Few if any butchers' cattle sold last week at over \$5, which is 26 a cet tower than the week previous. Picked butchers' cattle are quoted at \$4.75 to \$5; good mon. \$5.50 to \$5.75; cows. \$2.50 to \$5.75; cows. \$2.50 to \$5.75; and canners, \$1.00 \$2.00 to 700 the each, sold at \$2.50 to \$5; and feeders \$60 to 100 the each, sold at \$2.50 to \$5; and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and feeders \$60 to 100 the each at \$2.50 to \$1, and \$1, an strong at \$40 to \$60 each. Common medium cows sell at \$30 to \$37 each.

There is a falling off in the demand for veal since the price of lambs dropped. Choice veal calves are worth \$6 a cwt, but the general run sell at \$5 to \$5.75

A couple of weeks ago export sheep were draggy and lambs active. Things were different last week. Lambs took a drop in price while sheep were higher. Export sheep are firm at \$3.75 to \$4.5° for ewes and \$3.25 to \$3.50 a cwt for bucks. Spring lambs are \$1 lower at

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terinis, Goury or Risemant Deposits,
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Alays pam. Bood Free. Genuine mid. 6dy by

reduces 7a: W. F. YOUNG, P.D.F., 123 MONMOUTH ST., SPRINGFIELD, MASS Canadian Agents: Lyman Sons & Co., Montre a 85 to 86 a cwt. Lambs are quoted slow at. Buffalo at. 85 to 86; yearlings, 84.75 to 85.25; wethers 84.25, to 84.50, and ewes, 85.75 to 84 a cwt. There was no change is prices for hogs, though at the beginning of the week low-

though at the beginning of the week low-er prices were looked for. Selects were quoted on Thr. sday at \$6.50 and lights \$6.65 fed and watered at the market. At Buffalo heavy, and mixed are quoted at \$6.95 to \$7.65; Yorkers, \$6.56 to \$7, and dairies at \$6.50 to \$6.90 a cwt.

#### THIS WEEK'S HOG PRICES

THIS WEEK'S HOG PRICES
At writing, the William Davies Company, Toronto, had not decided what
their exact prior for hogs would be this
their exact prior for hogs would be this
to be a sould be the sould be their exact prior for hogs
to be a country points. The huring that
now is for September bacon market, and
as the usual fall slump in the price of
bacon begins about that time packers are
preparing for it. When poultry and game
become plentfull in the British market, the demand for bacon falls off somewhat. The supply of hogs just now is about

#### PETERBORO HOG MARKET

PRITERBORO MOG MARKET
Peterboro, Ont., August 1, 1958. — The
market is very weak. Cables from the Old
-Country and the United States have caused
this. The deliveries of Danish hogs
on the English market are very heavy.
The deliveries of hogs in Canada are light
and it is only this that is holding the
market where it is. As soon as the deliveries become larger prices will drop. The
theory of the theory of the country of the
theory of the country of the country
lowing prices for this week's abigments:
Lob. country points, 86.50 a cet; delivered at abstroir, 86.65.

#### MONTREAL HOG MARKET

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MONTRIAL MOG MARKIT
Montreal. Saturday, August 1.— The
market for live hope is steady and unchanged from last week, and prices have
ruled for this week's offerings at about
\$7.25 wt. for selected lots weighted off cars.
The tone is strong and any increase in
the demand, or failing off in the supplies,
would tend to higher prices,
would tend to higher prices.
We have a supplied to the supplies of the supplies

EXPORT BUTTER AND CHEESE the content of the country was immediately followed by the property was cover the cable and the beginning of the week. The British importers as well as the local dealers in the manner as the limit property was a fine as the country was immediately followed by the property was considered by the country was immediately followed by the property was in the manner of feeding it there can be considerable improvement. Most of the property was in the property was a prope EXPORT BUTTER AND CHEESE

Date

Met'g

July25

July25

Boarded

1,541 749 687

4 cars

9,000

BOARD

Brockville Kingston

Cornwall... Listowel... Napanee...

St. Hyacinthe Cowansville...

herbrooke...

NEW YORK

Watertown

Picton .. QUEBEC

ankleek Hill

of choise in Canada is short, and there is not the slightest prospect of it being most as much dirt as salt. A more san-made up now, and this no doubt accounts for the bar prices that have been ruling of tale. A large proportion of the purchase of the salt prices that have been ruling of the comparatively ment of the comparatively storage on British as one put in cold doubt accounts for the comparatively small shipments going forward. The receipts continue steady and totalled this which allows the animal to obtain the small shipment soing forward. The receipts continue steady and totalled this week about \$9.000 bases. This is considerably less than last year, but about the Whether or not prices will remain steady at their present rates depends altogether upon the demand from the gland. There does not seem to be any prospect of a serious set back. There may be a restrous set back. There may be a restrous set back. There may be a retroit set back and the doubt and the retroit of a lifetime to get a good bargain; we are set one, and the company of a lifetime to get a good bargain; we retroit set back of herd. Ome and see them.

#### MONTREAL PRODUCE TRADE

MONTREAL PRODUCE TRADE
Montreal, Saturday, August ist.— Butter.—There is a steady trade in butter, and prices are practically unchanged from 
quoted at Es, and solids similar quality 
quoted at Es, and solids similar quality 
quoted at Es, and solids similar quality 
part 
part

age, s.— The market for eggs is steady, and prices unchanged from last week. We quote selects at 22c and No. 1 stock at 25c, although there are some dealers ask-

#### GOSSIP

GOSSIP

The president of The Canadian Hereford Breeders' Association, M. J. A. Goven-lock, of Forest, has returned from a visit to Western Canada, during which he attended the Winnipeg, Brandon, and Renther and the Control of the C

Boarded

670 few sales

1,185 11 13-16 117

COLORED CHEESE

Lowest

12 1-16 3-16 12h

12 ordinary

11 1-16

12 1-16

12½ 12 12 1-16 3-16

121 121

H. E. GEORGE
CRAMPTON, ONT.
Putnam Stn., 1½ miles—C.P.R. E-4.09

HOLSTEIN BULL CALVES FOR SALE

one month to from the stock of J. W. Richardson, of Caledonia, and J. W. Clemons, of St George. Prices

JOHN MACKENZIE,

#### Willowdale, Ont. SUNNADALE HOLSTEINS

Buil calvee from 2 to 4 months old, sired by Dutchland Sir Hengervill Maple (Oroft, he is imported from the celebrate Oroft, he is imported from the celebrate Sired by Pierley Hengerville Count DeKol, champion buil of the world. He is the only sire that has two daughters that hay two daughters that hay two daughters that prices reasonable.

A. D. FOSTER. E.0.4.28.00

#### HOLSTEINS

have only three sons of Brightest ary to offer for sale. Speak quick if want one. GORDON H. MANHARD

Manhard, P. O., Ont. E-5-5-09

#### NEIL SANGSTER ORMSTOWN, QUE.

eders of Holstein-Fresian cattle high-class merit. Young stock of both sexes for sale. Write for prices 0-428-09

SPRING BROOK HOLSTEIN AND TAM-WORTH-d young sows in farrow to Imp. "Knowle King David." 2 boars ready for service, Spring litters by Imp. boar. Offerings in Holsteins: 1 bull, 12 mos., bull calves, and a few females. "My Motto," Quality."

E-5-11-09 A. C. HALLMAN, Breslau, Waterloo Co., Ont.

FOR SALE.—One Holstein Bull, eighteen months old, of DeKol and Mercedee breeding. Samuel Lemon, Lynden, Ont. 04-09

## FOR SALE. CHOICE SHEARLING SHROPSHIRE EWES AND

Can supply pairs or trios not akin.

Shorthorns, females, all ages, and Li
A very choice of the control of th RAM LAMBS

#### AYRSHIRES

#### SPRINCHILL AYRSHIRES

Imported and home bred stock of all ages for sale. See our stock at the leading shows this fall. Write for prices.

ROBT. HUNTER & SONS Maxville. E 6-23-09

Long distance phone.

Ayrshires on Ste. Marguerite Farm have been selected from the best milking strains in Scotland, are large showy ami-mals, with great milking ability. A num-ber of young buils for sale ranging from 2 years to several months. Also Tam-worth pigs and Shropshire Sheep. Write for prices.

P. A. GOUIN, Proprietor, Three Rivers, Que.

#### HUME FARM AYRSHIRES

HUBEL FARM AYESHINES
Our 1908 importation has landed, consisting in females of 3 year olds, 2 year
olds, yearlings and calves. In bulls, yearlarge, and calves, dams record up to 1,100
uses, and calves, dams record up to 1,100
uses, and calves, from our own Record of Marco
cows and others. Females, any desired
age, either timp, or home-bred. Ome and
see our hard. Phone in residence. Hoards
94atton, 6.7.8.
E-55-26.0

ALEX. HUME & CO., Menie, P. 0

#### NEIDPATH AYRSHIRES

Bull Calves dropped this spring. By ir ported Bull. First prize Toronto, Ottaw and Halifax. Long distance phone W. W. BALLANTYNE,

#### SPRINGBROOK AYRSHIRES

are noted for being large producers of milk, testing high in butter fat. Young stock of all ages for sale. A few choice bul i caives of 1998 now ready to ship. Prices right. Write or call on W. F. STEPHEN.

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Lucan Stn. Southgate P.O.

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B-td WM. ISCHE, Proprietor Schringville, Ont.

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iiĝ

12

Cheese Board Prices

WHITE CHEESE

Lowest

few sales 11 1-16

11 13-16

11 15-16

12 1-16

11 15-16

12½ 12½ 12½ 12½ 12½ 12¼ 12 1-16 12 3-16

121

12 11g

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#### Your Opportunity-Our Proposition

This then is your opportunity, Many onsider it the chance of a lifetime. Ve control a quantity of iron-bearing and in Township 46, Range 28, Crow Ving County, Minnesota, It is but 34 diles from Deerwood, a town on the

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