

VOL. XXVIII

NUMBER 31

RURAL HOME

PETERBORO, ONT.

TGUST 5. 1909



NOON LUNCH AT "KENJOCKETY," FRONTENAC CO., ONT., WHERE HOG RAISING PROVED PROFITABLE NOON LUNCH AT "KENJUCKETY," PHONTENAC CU., UNI., WHERE MOU RAISING PROVED PROPITABLE Correspondence received from a large number of swise raisers, some of which was published in Farm and Dairy. May 13th and June 3rd, clearly indicates that those who make profits from feeding hogs raise their feed upon their own farms. They made use of pasture green feed, roots, and skimmed milk and whey when available. Those who their own farms. They made on mill by-products and other expensive feeds to produce their pooluce their of health of the best results in pork production. Those who fail to provide their observable to leave hog-raising alone. More matter gleaned from the reports received is published in this issue. "Kenjockety Farm," where the photo was taken, was until recently worked by Mr. J. W. Suddard, Cataraqui, Ontario.

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- The Link-Blade Device in this machine is the most important cream separator invention of the last 15 years. These blades increase the separating power of what were before the most efficient bowls, under the same conditions of speed, temperature, etc.
- They will not clog up, even when running continuously for several hours.
- The Link-Blades effect a more thorough sub-division of the milk in the bowl and this without the re-wiping or interference of the cream and skim milk particles than has yet been attained by any other device or bowl construction.
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It is desirable to mention the name of this unblication when writing to advertisers

The Late Hon. John Dryden

Acute anaemia, from which he suf-Acute anaemia, from which he suf-fered for several months, brought about the death of the Hon. John Dryden, Minister of Agriculture for Ontario from 1890 to 1905. He died at his residence in Toronto on Thurs-day, July 20th. His family and rela-tives, in their becavement will have tives, in their becavement will have knew Mr. Dryden personally and the thousands who have knowledge of the great work he wrought for the cause of agriculture. agriculture

Hon. John Dryden was the son of Hon. John Dryden was the son of the late James Dryden, who came from Sunderland, England, to settle in Whitby township in 1820. He was born at Maple Shade farm in 1840. educated at the local schools, and took up farming as a vocation. He was successful from the start, and added to farming in a general way the breeding of high-class sheep and cat-tle, his farm and herds ranking among the finest in Canada. finest in Canada.

When twenty-three years old Mr. Dryden was elected to the municipal



The Late John Dryden

Council of Whitby township, where as Deputy Reeve and Reeve he served for seven years, retiring voluntarily at the end of that period. He was el-ected to the Ontario Legislature for South Ontario in 1879, and remained in the Legislature until the advent of the Whitzer administration in 100%.

in the Legislature until the advent of the Whitney administration in 1905. In September, 1890, Mr. Dryden was appointed Minister of Agricul-ture. His practical farming experi-ence stood him in good stead, and he was enabled to accomplish many great things which were of great advantage to the farmers of the Province. Dur-ing his administration the Agricul-tural College at Guelph was enlarg-ed and a dairy school established in connection with it. Like institutions were also built at Strathrey and Kingston. He also organized twelve fruit experimental stations through

connection with it. Like institutions were also built at Strathroy and Kingston. He also organized twelve fruit experimental stations throughout the Province.

The late Mr. Dryden was President of the Farming World, which in February, 1908, was amalgamated with The Canadian Dairyman and is since known as Farm and Dairy; President of the Reliance Loan & Savings Company of Ontario? President of the National State of the Province of the Reliance Loan & Savings Company of Ontario? President of the Inpany of Ontario; President of the In-ternational Shropshire Sheep Breeders' Association, and for many years Pre-sident of the Dominion Shorthorn sident of the Dominion Shorthorn Breeders' Association. He was a director of the American Clydesdale Association and Chairman of the Dehorning Committee. In 1896 deceased was appointed one of the commissioners for the revision of the Ontario statutes. Baptist in religion, Mr. Dryden was for years one of the Governors at Mc-Master University, and among other official positions was chairman of the board. He married in 1867 Mary Lydia, daughter of Mr. Thomas Holman, at that time a publisher in New York.

PAY TRIBUTE TO THEIR PREDECESSOR.

In a letter to Farm and Dairy, Hon. Nelson Montieth, who followed Mr. Dryden as Minister of Agricul-ture, expressed his appreciation of

Mr. Dryden and his work in the fol-

Mr. Dryden and his work in the following work:

"It was with deep regret that I learned of the death of Mr. Dryden. As one having an intimate knowledge of his work as head of the Department of Agriculture, I desire to hear tribute to the good work there accomplished. In Mr. Dryden's death agriculture loses a good friend, one who did much to inspire ideals among agriculturists."

FROM HON, J. S. DUFF.

The following is the tribute that the Hon. J. S. Duff, the present Min-ister, wishes to make public through Farm and Dairy:

"For six or seven years it was "For six or seven years it was my privilege to sit in the Ontario Legis-lature with the Hon. John Dryden, although on a different side of the House, and during unat time I had the pleasure of enjoying his personal friendship to a considerable degree. I can therefore most readily bear trib-I can therefore most readily bear tribute to that kindly, gentle and genial disposition which marked him at all times to political friend and opponent alike. While these qualities as a man will keep his memory green among those who knew him best, his death, I am sure, will be mourned by thousands of farmers in this Probeauti, I am sure, will be mourine by thousands of farmers in this Pro-rince who had not the advantage of a control of the country of the co rearro mourns to-day the loss of a for-mer Minister of Agriculture, but his name and work went beyond the lim-its of the Province, and I believe Canada mourns the loss of one of her leading agriculturists."

Home Made Lightning Rods

Unfortunately a typographical error occurred in an article on "Home Made Lightning Rods and How to Make Them," by Mr. Henry Glendinning, which appeared in Farm and Dairy, July 15th. The first sentence in the second control of the second control of the sentence in the second control of the second contr in the second paragraph reads, "take two strands of No. 12 soft galvanized iron wire." It should read "taken ten strands."

The article in question has attracted much favorable attention from farmers generally. Mr. G. W. Anderson of Prince Edward Co., wrote Farm and Dairy for some explanation concerning the manner of erecting these rods. He writes, "I have been anxious for He writes, 'I have been anxious for some time about lightning protection on my barn. When I saw the article by Mr. Glendinning, I decided to have my building protected at once. I wrote a young electrician at Belleville and a young electrician at Belleville and enclosed a copy of the article and told him that I wanted it put up just as Mr. Glendinning described." In view of the large number of

barns that are destroyed annually by lightning, those having barns unpro-tected will do well to erect home made rods as advised by Mr. Glendinning. They have proven themselves to be efficient and they can be installed at a cost very much less than those erected by professional men or agents who make a business of travelling through the country erecting rods that are often not satisfactory and invariably high in price.

I am pleased with the stand that Farm and Dairy takes on all live qu stions of interest to the farming community.—Wm. H. Mallet, Wel-lington Co., Ont.

Issued Each We

Vol. XXV

Pure Breds are

AREFUL always re will be the cow. Wer farmer by the and compare dairymen and be plainly evid require more li ing the manag enough for wh In order to herd, it is in

dairy farmer sh cow when he s permit, it is w breed, only pure are a few very to be looked for First look to th ing the breed, w various circu milk is to be sold we should recom or the Ayrshire; the Jersey or the one be unable bred stock, it is very good herd co There are indiv equally as good a as regards milki

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Only \$1.00

Vol. XXVIII.

FOR WEEK ENDING AUGUST 5, 1909.

THE MANAGEMENT OF THE DAIRY COW

Wm. Reid, Lambton County, Ont.

Pure Breds are Advisable, though Grades may be Bred Up to a High State of Production. Stabling is a Weak Point in Dairy Farming. Some Sound Advice on Management.

AREFUL management of the dairy cow is always rewarded. This may be disputed. It will be endorsed by those who understand the cow. Were one to judge our average dairy farmer by the production of the average dairy cow and compare them with our more progressive dairymen and the records of their cows it would be plainly evident that dairy farmers generally require more light and more information regarding the management of cows. Such is warrant enough for what follows.

In order to build up a dairy herd, it is important that the dairy farmer should know a dairy cow when he sees one. If capital permit, it is well to purchase, or breed, only pure bred stock. There are a few very important points to be looked for in buying a cow. First look to the breed. In selecting the breed, we must be governed by various circumstances. If the milk is to be sold for cheese-making we should recommend the Holstein or the Ayrshire; for butter making, the Jersey or the Guernsey. Should one be unable to purchase pure bred stock, it is possible to have a very good herd composed of grades. There are individual grade cows equally as good as any pure breds. as regards milking qualities.

POINTERS ON BUYING

When buying a cow it is advisable to buy a young animal. Be careful that she is in good, healthy, thrifty condition. A healthy cow has always a sort of dew on her nose, chews her cud pleasingly, and has a nice fine coat. The age of a cow is often taken from the rings on the horns. These are not a sure guide. The teeth furnish the most reliable test. Judging of age by

the teeth can only be done by one who is skilled in this respect.

Often we hear of buyers asking for a guarantee that the cow is in calf. It is a very serious matter for one to give such a guarantee, though the seller often gives a guarantee rather than lose a sale. As a matter of fact, a guarantee is not of much account at the best.

STABLING

Having selected cows to the best of our knowledge, we must next look to providing suitable stabling. Our stabling is one of the weakest points in dairy farms to-day. The great majority of cow stables are in a very unsanitary condition, although, in recent years, a noticeable improvement has been made in this respect. Undoubtedly

there will be more improvement in the near future since dairy farmers that sell their milk are under sanitary inspection.

Light, ventilation, and thorough drainage, are the three most important points to be observed in the cow stable. The building should be strongly built, and be ventilated in such a way as to maintain an even temperature and pure air in the stable at all times.

The floors should be well laid, and tight, to prevent soakage. For a cheap durable floor,

A Dairy Cow that Anyone Would be Proud to Own.

Inka De Kol Netherland May 2611, owned by Mr. Samuel Kyle, Dundas Co., Ont.
Note the angular form of this cow, her well shaped udder and teats, and her
general appearance of being a producer, with own the this one in the dairy, the
work of caring for them would be viewed in a different light.

cement is recommended. Wooden floors should have no place in the cow stable of to-day.

Dairy cows, to give profitable returns, require to be well bred, well fed, and well managed. High feeding is costly to be sure, but the way to get a maximum profit is to feed the cows to their full capacity. If one wishes to sell a cow or any other stock, they must be in good condition to command the best price. A cow may be well bred but no buyer will pay a high price for her if she is not in good condition, however good her milking qualities may be. Well fed cows are the best milkers; they produce healthier calves and are more able to withstand diseases than are cows which are poorly cared for. There are so many advantages in favor of the cow well cared for that

it is astonishing that so many farmers adopt any other plan of management.

What a cow should be fed on, will depend entirely on circumstances. All, however, should aim at the highest results. The best results can be got only by careful weighing of the milk, morning and evening and the use of the Babcock test. They furnish a sure measure of what a cow is doing. Whether or not a cow is paying her way can be determined by means of these.

HAVE COWS FRESHEN IN FALL

The best time to have cows calve depends somewhat on the use that is to be made of the milk. If the milk is for cheese-making it is preferable to have the cows calve in the spring, as they will then give the greatest flow of milk during the cheese season, which extends from April to September or October. If for butter-making that is

carried on the year round then it is advisable to have the cows freshen in the fall. In most cases it will be found advantageous to have cows freshen in autumn. They then milk well in the winter and when turned to grass their flow increases and they may be said to have a second freshening. The largest returns will be secured from cows calving in the fall. Then too, the calves can be raised during the winter on skim milk and be turned out in fine condition in the spring. In this way they get a good start on the early pasture before flies come. The majority of our most progressive dairymen raise their calves in this way. They claim that their calves are just about one year ahead of what they would be were they dropped in spring. To a large extent their assertion is true. Cows calving in the fall are fed well throughout the winter to keep up their production and are thus in a much better condition in the spring than the cows bred to freshen in the spring. Winter is the best time for butter-making. We can then get a better quality of butter and a better price for it

than we can in the summer. Milking should at all times be done regularly. In regularity lies much of the secret of profitable cows. Cows are very sensitive, and look to being milked, as they look to being fed. If the cow is neither fed nor milked regularly, we need not expect to look for large returns. Feed which would likely contaminate the milk with undesirable odors should never be fed before or while milking. Milking should be proceeded with and finished quickly. Milk with dry hands. Be careful to wipe all parts of the udder before milking with a damp cloth to prevent any loose dirt from falling into the pail during milking. It is a common plan to dip the hands into the milk at intervals during milking. This is a most filthy practice. It should be immediately and everywhere condemned. Cows

WATER AND SALT FREELY

The cow must have free access to good, clean water at all times, summer and winter. At a trifling cost the water can be put into the stable, either in a trough in front of the cows, or in individual pans or basins. Milk cows should have an abundance of salt. Salt aids digestion and keeps up the flow of milk. It also induces the cow to drink more water, which is an advantage.

Records of the milk, of the food, the dates of service and of calving and the age of cows should be kept. These may be hung in the milkhouse beside the scales used for weighing the milk.

The diseases of the cow are not few. We should ever be on the alert for their first appearance. Abortion is the most costly of all. This disease in one form is contagious. Every effort must be given to stop its progress when once it is noticed in a herd.

Harvesting the Honey Crop

J. W. Honderich, Waterloo Co., Ont.

The bee-keeper is anxious to pursue the best methods in harvesting the honey crop; those that will accomplish the work satisfactorily with the will accomplish the work satisfactorily with the least amount of labor. We assume the bees are on movable frames, with queen excluders above the brood chamber, and are supplied with supers to store the nectar during the season. If extracted honey is produced, the greater portion of the combs should be scaled before extracting, as unrippened honey is of inferior quality.

In localities where the bees have access to different kinds of flora in succession, which yield honey of different flavors, it may be advisable to extract separately. The bee-keepers acquainted with their own markets will be able to decide for themselves. In localities where the yield of nectar is principally from one source, the honey may be removed at the close of the season, and extracted when convenient. However, it is advisable to extract while the weather is warm, or the honey will necessarily require to be heated, to make extracting practical in cool weather. When comb or section honey is produced, the sections should be removed when nicely sealed; it is then at its best in appearance.

The use of queen excluders is desirable, while frames containing brood can be extracted, young larva is liable to be thrown out while extracting. Bee escapes are a great convenience in removing honey from the hives. In the evening a board fixed with an escape can be placed between the body of the hives and the supers, and by the following morning the combs will usually be free from bees.

After the honey is harvested the bees should not be neglected. It may be said, that the honey crop next year is dependent on the condition of the bees at this time of the season. They should have sufficient stores to continue brood rearing to supply the colony with young bees during the coming winter. If the queen is old and failing, she should be replaced. In localities which furnish no fall flow of nectar, and colonies are short of stores for winter, it is advisable to feed while the weather is warm.

Among the farmer bee-keepers who only keep a few hives, there may be only a small quantity of surplus honey to market. However, the progressive farmer keeps posted with the markets, and is too proud to dispose of his products below market value. It is preferable to sell direct to the consumer. Such " market can be easily cultivated by the exercise of a little business ability on the part of the producer. The products from one's bees will increase the revenue in connection with a well kept farm.

SOME POINTS BROUGHT OUT FROM INSPECTING DAIRY FARMS IN WESTERN ONTARIO

Farms in Districts Nos. 3 and 4 as they Appeared to Mr. Hy. Glendinning, the Judge Some Features of these Farms

ARMS of outstanding merit were those entered in the Dairy Farms Competition for those districts including York County and west, and which it was my privilege to inspect in order to place the awards offered by Farm and Dairy. It has been a pleasure to visit the fine farms entered in the competition and to meet with their owners at their homes. Generally speaking the farms were of a high order. Seldom would a mistake have been nudo when driving to the farms had one turned into the finest looking place in the neighborhood.

Beautiful trees growing along the roads, and lanes and around the buildings were, wth a few exceptions, common to all. Well kept lawns planted with shrubs and flowers were also generally in evidence.

The majority of the competitors would compare favorably with people of the same social standing and wealth of the towns and cities in the matter of dwellings and furnishings. It was common to find dwellings fitted up with hot and cold water on tap, bath rooms and other conveniences. Many were heated by hot water or but air and several of them were lighted with acetylene gas.

INFERIOR VENTILATION IN BARNS

Barns were large and commodious. They were well lighted, supplied with water in the stables and had cement floors and mangers. The majority

No Better Way of Remunerating Them

Ed. Farm and Dairy.—Please find enclosed \$1.00 for a subscription to be sent to a friend who has done me much kindness and who has a family of small children, five boys and one girl. I know of no better way of remunerating them than to send them a subscription to Varm and Dairy.—F. E. Caldwell, Carleton Co., Ont.

were painted. Stables were whitewashed and were neat and clean. A few were well ventilated. The ventilation in the majority, however, was by means of the windows, tile in the walls and chutes that conveyed the feed from above to the stable below. Ventilation could be greatly improved upon by most of the competitors.

Fields for the most part were well laid out and could be conveniently reached by lanes leading to the buildings.

Fences and gates were generally in good repair. Underdraining has been done to a considerable extent on nearly every farm. On some of the farms it is difficult to find a weed that would be considered injurious to the crop. Owners of some of the cleanest farms explained that they had troublesome weeds, butthat Farm and Dairy's Competition had stirred them up to the extent that they had destroyed every weed seen on the farm. Often the enthusiasm of one man in this respect had extended to those on adjoining farms.

CROPS SUITABLE FOR DAIRYING
Alfalfa was much in evidence. Corn for the silo
was also common. With these two feeds in plenty,
dairymen know that they have a cheap, bulky,
palatable and nutritious food suitable for the production of milk. The hay crop was a good one.
Clover was a good eatch last year. It came
through the winter in fine condition and there was
through the winter in fine condition and there was
many fine fields of wei-filled fall wheat were
seen; occasionally some fields are thin on account
of dry weather last fall giving them a poor start.
Some fine fields of barley were noticed, but this
crop on the whole will be below the average.
Early sown oats on high land looked well; later

sown oats which comprise the majority of fields will be light. In some sections a red blight similar to that of two years ago, is affecting the crop. Corn, although late, is looking well. Mangels and sugar beets generally are promising.

COWS THAT WERE MONEY MAKERS

Milch cows were in excellent condition as might be expected on the farms of the competitors in the Dairy Farms Competition. The special purpose cow, the Holstein, Jersey or Ayrshire or their grades, were most in evidence. A large percentage of these cows are pure-bred, registered animals, that were justly the pride of their owners. The best of care was taken of them on all the farms in the way of feed, water, and salt. It was gratifying to note that on nearly every farm either daily records were kept of the milk, or it was weighed and tested three times a month as is done by members of the cow testing associations. In this way their owners knew just what each cow was doing. They knew that each cow was a money maker; those known as boarders, and which are so common on many farms, having been weeded out of these herds long ago-progressive men, such as have entered the Dairy Farms Competition knowing better than to keep them.

NO ALL ROUND HIGH SCORES

It may be encouraging to those who did not enter the competition, but who are thinking of entering two years hence when they shall again have the privilege, to know that nooneman scored high on all points. Those high in one particular were invariably low down on another. Some had entered the competition from being urged to do so by some member of the family or friend. They were greatly surprised at the result of their work in putting the farm in order. One competitor aptly expressed the situation on his farm by saying "I never thought before that I had so much summer are wood around my place." It would be difficult now to find enough, lying loose around his yard, lanes, or fields, to boil a tea kettle.-Hy. Glendinning.

Summer Management of Sheep

H. Johnson, Middlesex Co., Ont.

Lambs that are dropped about the first of May should be weaned during August. They will do their best only when given proper attention. They should be pastured on clover, blue grass or rape, or better still, have all three combined and allow them to take their choice. By giving them a little grain such as oats or peas mixed with bran they will be greatly assisted in their development.

The bucks should have been castrated when young; their gains will be much greater if this has been attended to at the proper time. Lambs weamed and properly cared for will make better gains than if allowed to run with their mothers under ordinary conditions. Quick maturity should be the object,—lambs make a better growth at less cost, when young than at a later stage of life.

Eves, if allowed to run on clover or blue grass pasture, that is not too bare, will get in good condition for the breeding season without any grain. Care should be taken to see that they do not become too fat, as frequent losses occur from fat ewes getting cast on their backs in a furrow. Both the ewes and lambs should be provided with an ample supply of water and salt.

The fly that causes grub in the head gives sheep great trouble. A long, tried and efficient prevention for this trouble is as follows:

Put the salt for the sheep in a trough in which holes about 2½ inches in diameter have been bored along the sides on a level with the inside botto of the hol that when their nose trough ha the sheep Frequen

Augus

sheep, pan rather par are turned be surprisi over the g cropped closely for other insecaccessible, flies in mu handled to success in them good of

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rises in a high t and gradually si tario. Geologists time towards the wide valleys in t across the county submerged and material and the glaciers or floatin

side bottom of the trough. Smear the upper side of the holes with pine tar about once a week, so that when the sheep lick the salt out of the holes their noses get covered with tar. The top of the trough has to be covered with a board to prevent the sheep getting at the salt from the top.

Frequent change of pasture is a great help with sheep, particularly with the lambs, which are rather particular about what they eat. If they are turned into a new range after a shower it will be surprising to see how thoroughly they will go over the grass again, even though it has been cropped closely before. Watch ewes and lambs closely for any indications of stomach worms or other insect pests. Keep the stable darkened and accessible, so that they may get away from the flies in muggy weather. Sheep must be properly handled to be profitable and no one will have good success in raising these animals unless he gives them good care and attention at all times,

Fruits and Vegetables in Prince Edward County, Ont.

E. B. Yarwood, Prince Edward Co., Ont.

The geological features of Prince Edward Co., Ont., are peculiar to it and are very interesting. Some time ago Cornell University kindly sent me a bulletin entitled "An Orchard Survey of Wayne County, New York," in which the geological feat-

the bare limestone has rotted to form our claylimestone gravel soil and the retreating lake has left the glacial soil in low ridges composed of varying mixtures of sand, gravel and clay most of it a good loam with very little surface stone. Probably about 1/2 is shallow clay gravel soil, one-third deep clay gravel and one-third deep loam. With such a variety of soil the canning factories can depend on a fair crop every season. When every body has a good crop, very few get rich as fast as the crop would indicate because the factories cannot handle it all.

People as a rule are taking much better care of their land than in the old grant days. The great difficulty of getting good help, however, tempts a good many to retire as soon as they think they have enough to live on; either selling or letting out their places, so that, as a general rule, the working farmers are short of capital to properly drain and make the most of their land. We have not a very large area of strawberry loam and lately the factories have taken our surplus. We do not raise enough plums, cherries and pears to supply the local demand as they are short lived under ordinary orchard treatment.

EXCELLENT APPLES GROWN

We pride ourselves on the quanty of our apples. The hard winters four and five years ago were very trying to our orchards, leaving a great



Tomatoes and Strawberries are Grown Extensively in Prince, Edward County, Ont., for the Canning Factory

Canning factories are valuable aids to fruit and vegetable growers. They tend to prevent gluts in the market, and subsequent drons in prices, by buying and handling the surplus. The factories should pay as high prices as possible for produce of good quality. It is up to the growers to supply the class of stuff that wanted.

ures of that county were treated in relation to fruit growing. It was very interesting. I have done my best to find similar information respecting the survey geology of our county and, expecting a pamphlet by Dr. A. W. G. Wilson, of Montreal, I have found very little.

In the old days of grain growing, the sprawling shape of the county made it unnecessary to draw a load of grain more than five or six miles. Now we have taken up another line. The vicinity of water probably has helped us to a leading reputation for dairy produce, fruit and canned stuff, the same as our barley and peas enjoyed.

NATURE OF SOIL

The framework of the county is limestone which rises in a high bluff at or near the eastern shore and gradually slopes to the shores of Lake Ontario. Geologists say that the drainage was at one time towards the southeast, cutting the shallow wide valleys in the rock that run all or part way across the county. Since then, the country has been submerged and these valleys filled with glacial material and the higher rock cleaned off either by glaciers or floating ice in both. Since re-elevation

many dead and sickly trees, especially in the young orehards. I think that some orehards were being grown too fast. I lost all the plum and cherry trees I was cultivating, while those in sod lived, but they were not half as large. Our land is so variable and the seasons so irregular that each one has to experiment for himself and watch his neighbors.

Our climate is getting harder on fruit trees. Forty years ago we could grow many varieties of cherries that we cannot now, and apples the same. Our woods, being cut away, must make some difference.

Watering Horses

H. G. Reed, V.S., Halton Co., Ont.

Healthy animals should have all the water they desire. The ideal condition would be to have it at their disposal all the time, but as this is imp sible while at work certain restrictions should be exercised in the case of working animals. This is especially necessary in the case of the horse. The stomach of the horse is smaller in proportion

to his size than any of the other domestic animals and as a consequence he is more liable to suffer from digestive troubles than are the ruminants. It is not wise to allow a thirsty horse all the water he will drink either before or after severe work nor after feeding. In order that a horse might have the best possible chance of digesting his food thoroughly he should always have the water first and his solid meal afterwards.

WATER BEFORE BREAKFAST

Horses should be watered before breakfast in the morning. It will probably take some time and trouble to educate a horse to this as most animals refuse to drink until after being fed. A little perseverance however, will accomplish it all right and horses treated in this way will make a better use of their food, keep in better condition and will be less liable to suffer from stomach trouble. There are two reasons for this, firstly the water a horse drinks remains only a very short time in the stomach. It quickly passes back into the intestines. As a consequence, if the stomach is fairly full of chewed up hay and oats and the horse takes a big drink of water the stomach is very full and more or less of the solid portion of the breakfast will be washed back into the intestines with the water thus depriving the animal of the nourishment contained in the portions of undigested food washed out of the stomach. Secondly, not only is the horse deprived of any nourishment from part of his breakfast but those particles of undigested matter in the intestines act as irritants and are liable to set up scouring and colicky pains. In case the horse has his water first, by the time he has eaten only a small part of his breakfast the water will have all left the stomach, no solids will have been washed out and the digestive fluids will have a much better chance to perform their functions than if diluted with large quantities of water.

PRECAUTIONS IN OTHER CASES

If a horse has done some very heavy work and is excessively tired he should not be allowed all the water he wants until he has rested a while, give him some water then after an hour or two of rest, let him drink all he wants. It is also bad practice to put a horse to any severe exercise, such as fast driving or moving heavy loads immediately after taking a hearty drink because the overloaded stomach and intestines press forward into the lung space and prevent the lungs from properly performing their functions. This is very noticeable in the case of a horse with the heaves.

Such an animal should (if at all possible) be watered often and only a little at a time; of course, a full drink could always be allowed at

A horse is seldom too warm to water. A horse may be sweating very freely and yet not be so very much heated; he certainly is not likely to be so very hot as to render it dangerous to let him have at least a little water. It is a very cruel thing to put a thirsty horse in the stall and compel him to munch his hay and oats dry while his throat and mouth are parched with thirst. It might be laid down as a rule that a horse doing any kind of ordinary farm work under ordinary conditions is not too hot to water even though he is sweating very freely. Of course exceptions to this rule may occur, a little discretion is desirable in everything, but farm horses are not so warm as to make watering dangerous nearly so often as some persons suppose.

Our choice of breeds would probably be uninteresting, suffice it to say that we must have a "Special Purpose" cow of some of the dairy breeds. The record of some of our cows bred on dairy lines is disappointing. We feel, however, that there are more misfits in dairying with the so-called "two purpose" cow.—Frank Webster, Victoria Co., Ont.

Reports obtained from Farm and airy correspondents on the "Hog Situation. some of which were pub lished earlier in the season show in nearly all cases where mill feed had to be purchased hogs were produced at a loss. Complaints were frequently

at a loss. Complaints were frequently
made against the packer for paying
a flat price for all kinds of hogs.
Mr. Owen Caugler, Dundas Co.,
Ont., voices the sentiments of a number of correspondents when he says, shall go out of raising the bacon hog unless the packers discriminate in price between the fat hog and the bacon hog, as it costs more to produce the latter."

Mr. W. J. Cunningham, Simcoe Co., Ont., says, "Nothing but a steady market will give confidence to the market will give confidence to the farmers. It is clearly seen that the farmers do not forget the way the price went down in the autumn of 1907 when there was a large supply of hogs. If we blame the packers and endeavor to retaliate by going out of hog raising that will not put out of hog raising that will not put any money in our pockets. We must be doing some business and do it on the most approved lines."

A number of correspondents of Farm and Dairy report having made profit last year out of hogs, but ley were men who raised the feed on their own farms, consisting largely of clover, roots, skimmed milk, whey and grain grown upon the farm. Mr. James Scott, Cedar Creek Road, says, I would not know how to dispose of the skimmed milk if it were not for hogs. Dairying and hog raising go

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well together. I believe that when well conducted it gives better returns than any other business on the farm, if taken for a period of years."

We have little control of the market, but we all can make an effort

to produce hogs for less than formerly, feeding a nutritious feed that costs per acre, the large amount of nutriment it contains along with its palatability stands out prominently above ability stands out prominently above all others. Rape and red clover come in a good second. If these are fed along with skimmed milk or whey and a little meal added they will make cheap feed for hogs in the summer. Signs beets, mangels and turning will Sugar beets, mangels and turnips will serve as green feed in winter. Cheap as green feed in winter. feed does not always stand for cheap hog production. Good care, clean and dry quarters, regular feeding and a hog with a good constitution are all ntial to profitable hog production.

Light Crop in Western Ontario

The Ontario crop of 1909 will not be up to normal. It will be a light on This conclusion was arrived at by an editorial representative of Farm and Dairy who has just completed a tour of the western portion of Ontario extending from Peterboro of Contario extending from Peterboro of Ontario extending from Peterboro to Goderich, thence south to Lake Erie, covering the counties of Huron, Wellington, Haldimand, Brant, Ox-ford, Norfolk, Elgin and Middlesex and passing through other counties

The drought in June appeared to have been more severe in the counties of Peterboro, Victoria and Ontario, than in the counties west. In these counties hay was light; many fields counties hay was light; many neues were thin from the young plants being killed in June. 1908, by the dry spell that then prevailed. Red clever and alfalfa hay have been stored in fine condition. Alsike, for seed, is one of the main crops of this section. It is closed and wany fields are nately is short and many fields are patchy,
The extreme heat in June had an injurious effect; alsike did not fill well and as a consequence is a much lighter crop than that of a year ago.

HAY AND GRAIN.

In that locality from Toronto to
Brampton the hay crop was much
better. From there west as far as
Goderich farmers have seened. better. From there west as far as fooderich farmers have secured an abundant crop of hay. That which was abundant crop of hay. That which was abundant carly was save. In fine condition. Some of the late cutting was injured by the rains. One description will apply pretty well to all the grain the proper growing in this part of the Province. Each locality has some fine fields of fall wheat, particularly the seed germinated soon after being the seed germinated soon after being sown last fall. Other fields alongside, that had not been plowed at the proper time, failed to sprout until late in the fall. The plants, being weak, did not stand the winter and spring frosts, and on these fields the wheat Irosts, and on these near the when is thin. The greatest variation in grain is in the oat crop. Where the fields were dry in the spring and per-mitted of early cultivation there are excellent crops. But much of the oat crop was put in late and it shows very crop was put in late and it snows very unevenly; parts of the fields that are dry have a good stand, while other portions that were wet at the time of seeding are yellow and thin and bare in spots.

The present season has been a great one for teaching the value of underdraining. Fields that were underdrained were sown in some cases five or six weeks earlier than underdrained adjoining fields. Fine crops are or six weeks earlier than underdrained adjoining fields. Fine crops are on the drained fields, while the underdrained land makes a sorry showing. The barley crop for the most part is short and light in the section from Peterboro to Toronto. Farther west it is much better on account of getting more rain in June. Even it, however, will not be an average crop. Corn was planted late, but it is mak-

ing a good showing where the cultivator and scuffler is kept going. Sugar beets, mangels and potatoes are looking well. As a rule they too are late. Turnip seed in many sections lay in the ground from three to four lay in the ground from three to four weeks before coming up owing to the dry weather; a short season for the growth of this root will be the result. The only evidence of disease observed was a red blight on the leaf of the oats in the counties of Middlesex, El-gin, Norfolk, Haldimand and Brant. Two years ago the oats throughout the Province were affected by a simi-lar blight.

Brandon Exhibition

Excellent weather favored the Brandon fair and the attendance accordingly was largely in exce as largely in excess of previous Classes were well filled. Keen competition and close judging, particularly in horses and cattle, were in tharry in more and the exhibits were evidence. The cattle exhibits were pronounced to be stronger than those, at Winnipeg. Shorthorns were practically the same with the herd owned by W. H. English added. Hon. W. Clifford's herd made an addition in the Aberdeen Angus cattle to those shown at Winnipeg. Holsteins were out in strong numbers. Jerseys, if anything, were better than at Winnipeg, while Ayrshires did not make as good a showing.

The axhibit of swine was probably

as good a snowing.

The exhibit of swine was probably the best ever shown at Brandon. Sheep were well up to the standard with Leicesters, Oxfords and Shropshires. Among the flocks shown, the one owned by A. J. McKay of Macdonald deserves special mention.

The exhibits at Brandon being for the most bart the same as at Winni-

the most part the same as at Winnipeg, it was particularly interesting to note the order of awards. Many peg, it was particularly interesting to note the order of awards. Many changes were made in the placing as was given at Winnipeg, especially in the beef breeds of cattle. In the aged cow class, the best that was out of the money in Winnipeg, was placed first at Brandom. In the horse department, too, reversals were remarkable. In Canadian bred, for instance, the horse that took first at Winnipeg was unable to do better than an added fourth in the ring at Brandon.

Grain classes made a strong show-ing, the exhibits being pronounced as being fit to take a prize. Dairy pro-duce also excelled. Prof. J. W. Mitchduce also excelled. From J. W. Mitchell, of the Manitoba Agricultural College, who judged the dairy produce, stated that the exhibit of butter was in every respect splendid.

ter was in every respect spiendid.

A spectacular event of the exhibition was a parade of Indians in all
the glory of war paint, feathers, picturesque dresses and all the paraphermalia "hich goes to make upan Indian procession." The turnout could
not have been equalled by the biggest
closers on the read. The parade was not have been equalled by the biggest circus on the road. The parade was the genuine thing, a survival of the day when the redskin roamed the prairies, lord of all he surveyed.

Queries re Steel Silo

Ed. Farm and Dairy.-Having seen Ed. Farm and Dairy.—Having seen an advertisement in your paper of steel silos, I wish to ask you a few questions corraing them. Are they introduced from would you prevent steel silong? Are they cheaper and more durable ing? Are they cheaper and more durable ing? Would you consider them a target for lightning?—J. B. L. Carleton Co. Ont.

The manufacture of steel silos is a new business in Canada, the Water-ous Engine Works Co. having only started to erect them last fall when they put up their first oncon the farm of Mr. James Boyd, Wentworth Co., Ont. Mr. Boyd is very enthusiastic about his silo and states that he would not under any circumstances have any other kind.

other kind.

Steel silos have been used for a great many years in Michigan and also in Pennsylvania. It is necessary to paint these silos both inside

and out. On the inside to keep the acid from eating the steel and on the outside to keep the weather from russ ing it. Quotations made by the Wa terous people cover the necessary paints for covering the inside and outside. With proper care, there is no reason why these silos should not last for 20 years or longer.

Steel silo s are perhaps more expensive than the pine silo but it is very much more durable. A number have been supplied this year to take the place of wooden ones that have been blown down. In two separate instan-ces, The Waterous Engine Works Co. wooden ones that have been have supplied steel silos to farmers who have had their wood purchased to put up a new wooden silo. Af-ter the merits of steel silos had been explained to them, they decided the steel one and get rid of the wood the best way they could. The silos are furnished in standard size 12 and 14 feet in diameter and any height required. The capacity of a silo, 12 feet in diameter, 30 feet high is said to be 75 terms. high, is said to be 75 tons of silage. One 14 x 35 feet will hold 150 tons.

One 14 x 30 feet will noid 100 tons.
As to their being a target for lightning, how many steel chimneys have
we ever heard of being struck with
lightning. Barns covered with steel tin roofing, are rarely struck by lightning.

Detecting Cows Below Par Value

In one cow testing association the average production of 126 cows was 520 pounds of milk and 20 pounds of fat, not very much below the average of exactly 126 cows in another association close by, which was 609 lbs. milk and 26 lbs, fat. But notice how tremendously that comparatively small difference affects the total yield; for in the one case the 126 cows gave in the month 86,845 lbs. milk and 3,267 lbs. fat, but the other lot of 126 cows gave only 65,546 lbs. milk and 2,510 lbs. fat; or allowing butter fat to be worth 25 cents a lb. actually a difference of \$189.25 in one month. Why are not thousands more month, why are not thousands more of our dairy cows made to earn an extra dollar and a half a month for their owners? When the owners are perfectly certain through having tested each cow in the herd individually, wheh animals are bringing in a good profit, then the average yield and the total income can be largely increased

Another contrast shows that cows in one association produced just 27 pounds of fat less than 72 cows in another association 10 miles away, there were thus 25 cows more to be milked, and to have capital locked up in, and to tramp round on the pastures eating good feed that the other cows could have used to better advantage, for 27 pounds less fat. Weighing and testing is the quickest and surest way of detecting those that are below par value.—C.F.W.

Cutting off, alone, will not kill bladder champion. Place a little salt on the crown after you spud it off, and it will give no more trouble. This weed is a persistent grower and hard to fight,—T. G. Raynor.

I have been taking Farm and Dairy for about three years, and wouldn't be without it. I think I can get some new subscribers for you too.—Roy Thornton, Hastings Co., Ont.

LAMENESS from a Bone Spavin, Ring Bone, Splint, Curb, Side Bone or simi-lar trouble can be stopped with ABSORBINE Full directions in pamphies with sach public, Et.O g, to title at dealers or delivered.
AUSORIBERS, Fig., for mankind, 48 a bottle, removes Frainti Swellings, Svicos and Chinada, Coltra, Wens, Bruise, Svicos and Chinada, Coltra, Wens, Bruise, Switzer, W. f. v10000, P. S.f., 123 Yennis St., Switzer, Switzer, Lynkas Lie, Rastrad, Canadina Agents.

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WOOD 213 to 217

Our to I

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necesecccccccccccccce FARM MANAGEMENT

Queries re Corn Harvest

Queries re Corn Farvest

I have pinated four or seres to corn this year and I would like to know (i) the best mode of harmonic or an growing for the grain as well as (2 the stalk) (2) Can you give directions building a corn crib. (3) What company manufactures a small power orn sheller.

(4) Is there any husker manufactured to husk the ears after they are plucked from stalk. Please let me hear from yor through the columns of your valuable paper.—C. B., Halton Co., Ont.

1. For sunch a small area as five

1. For such a small area as five acres it would not pay to buy a power husker. The best way to harvest would therefore be to break into waggon and haul to husking floor (barn

THE UTILIZATION OF WOOD WASTE BY DISTILLATION

A general consideration of the NEW INDUSTEY, including a full description of the distilling apparatus exciption of the distilling apparatus methods of the principle involved, also methods of the products, first edition illustrated by seventy-four engraviants, and the product of the post paid on receipt of \$3.50 keys for the paid on the product of the paid of the p

WOOD WASTE DISTILLERIES CO. 213 to 217 St. Clair Ave., Cleveland, Ohio

2. A corn crib to hold 200 bushels may be built as follows:
Foundation, posts or stones, six of them, 12 or 15 in. high.
Sills, made of 4 in. by 6 in. Building 12 feet long, 4½ feet wide at sills.
Plates made of 2 in. by 4 in., building 12 feet long by 6½ feet wide at plates.

plate.
Studding or posts, made of 2 in. by
in., building 6 feet high between

Walls, slats 1 in. by 2 in. set on inside of studding and about 1½ in. Floor, same as walls but slats 1 in.

Braces, three cross pieces between

Doors, one end 2 ft. by five ft., slatted; small doors in gables for fill-

Power corn shellers are manufac-

is any question about the quality of the fence that should be erected, the Fence Viewers can be called in to determine the matter.



rectin, tar, from—and prepared, or "read, reofings, relies book is fair, frank, comprehensing it tells all about the cost of each kind of roting. It tells the advantages and the diss outlands of each. It is a vertiable gold min of only in the reason we send it free is because it tells.

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Food for the Bugs and Blight Prevented at One Rapid Operation

It has been well demonstrated that is pare and pays big, to spray potatoes. An increased acreage and co-operation with our neighbors in the purchase and use of spraying and other potato machines, will be used to be possible their installation. The illustration, taken in Mr. John A. Carap of Erm, in Esser Co. Ont. of the other potato are power sprayer, and a luxuriant growth of potato tops kept healthy by the Bordeaux Paris green mixture.

sill and plate. Studding perpendicu-lar when viewed from side of building Hamilton, Ont. but spreading out when viewed from 4. Yes, same Company.—J. H. Gris-

end. Studding 2 feet apart.
Rafters, made of 2 in. by 4 in.,
four feet long, one-third pitch 3 feet
apart, Shingle roof.

Farmers First and Always

How few farmers know exactly where they stand at the end of the year's work? They keep no ac-counts, and even if they desired to do counts, and even if they desired to do many have not sufficient education to fulfil their desire. The head work is left to others to diverse the surface of the surface of

Our Legal Adviser

AFFECTING LEAVE. — A leases farm from B. The terms of the lease stipulate that B is to preue "Schard and clip hedges twice a year "Schard and the lease" Does the fact of B failing to do this work render the lease voldy—J. Mc., Peterboro Co., Ont.

A will be entitled to recover dam-ages from B for the injury to his re-versionary interest in the property. If versionary interest in the property. If the lease contains an across provision for forfeiture on the base of cornants on the part of the contains of the part of the contains on the part of the lesser can serve notice such that the lesser apacitying the particulars of the breach complained of and requiring him to remedy the breach, and to make compensation in money therefor, and if the lessee fails within a for, and if the lessee fails within a reasonable time thereafter to remedy reasonable time thereafter to remedy the same and to make compensation. the same and to make compensation, the lessor can proceed by action to enforce his right of forfeiture.

BARBED WIRE LINE FENCE.—Is it illegal to use barbed wire for line fence? Can the party owning land the other side of fence compel me to take the other side of fence compel me to take the side of fence fence if the side of the side of

CANADIAN

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HORTICULTURE

*************** Apple Outlook in Canada

There has been a decided change in the outlook for apples in Canada dur-ing the past month. Profuse blossoming indicated an abundant crop, but drought in June and early July and insects have lowered the prospects

In Nova Scotia, where a record crop was expected, the quantity for export will be at least 200,000 barrels export will be at least 200,000 barrell less than last year when over 700,000 were shipped. Dry weather caused the fruit to drop badly. Clean quality is expected as scab has not shown to any extent so far.

New Brunswick and Prince Edward New Brunswick and Prince Edward Island will not have enough apples to supply home demands. Quebec expects only a small crop. These three provinces will not export more than small quantities this year.

In Ontario, conditions vary. The Georgian Bay District promises a big crop; much thinning will have to be done to get quality. The countries

crop; much thinning will have to be done to get quality. The counties bordering on Lake Erie do not ex-pect more than a fair crop. Conditions in Lake Ontario counties are similar, only a medium crop being expected. In British Columbia a light crop is ladded for in orchards man the coast

oked for in orchards near the coast and a fair crop ir inland valleys. The yield will be much less than was anticipated earlier in the season.

anticipated earner in the season.

Present indications in all Canada
point to a light crop of early and fall
varieties and a medium crop of winters. Apple aphis has helped considerably to cause a heavy 'drop.' This ers. Apple apils has neighed considerably to cause a heavy 'drop.' This pest is in evidence this year more than ever before and has done much damage to foliage. Codling moth is showing in Eastern orchards but is not causing any anxiety. Our fruit generally will be clean. Most growers in leading districts practise spraying.

A Great Horticultural Week

The week in September following the Canadian National Exhibition will witness two of the most important events along horticultural lines which



"The Kodak on the Farm'

is the title of a beautifully illustrated ittle book that we have recently is sued. It contains a score of pictures that show how interesting the Kodak may be made in the country, and the explain clearly the simplicity of the explain clearly the simplicity of the system that has done away with the system that has done away with the dark room and made picture taking easy for the amateur. It shows something of the farmer; as well as telling by a form the farmer; as well as telling by the farmer; as well as telling by the camera offers to country people. Asky your load dealer, or wite to us for a Asky your load dealer, or wite to us for a Is the title of a beautifully illustrated

Ask your local dealer, or write to us for a free copy of "The Kodak on the Farm,"

CANADIAN KODAK CO.

TORONTO, CAN.

have been known in Ontario, or, indeed, the Dominio

deed, the Dominion.

The American Pomological Society
will hold its biennial session in St.
Catharines, Ont., beginning on Tuesday, Sept. 14th. This is the first ocday, Sept. 14th. This is the first oc-casion when this society has held its sessions outside the borders of the United States, and it is safe to prediet that the new departure will not be regretted for the Fruit Growers' Association of Ontario, the Niagara District Fruit Growers' Association and the St. Catharines Horticultural Society with well time. and the St. Catharines Horncular and Society, with well-timed financial aid from the provincial government, the from the provincial government, the county councils of Lincoln and Wei-land, and the city council of St. Catharines are providing a program-me which will be thoroughly enjoyed by the visiting pomologists. The pro-gramme has not definitely been adopt-ed, but the following may be taken, as very likely to be adopted: The business sessions will open on

as very likely to be adopted:
The business sessions will open on
Tuesday afternoon in the county court
bouse, followed by the county court
in the opera house in the meeting
in the opera house in the which will be addressed by seeing
the prominent visitors on topics appropriate to the occasion. Music will
be rendered by the 19th regiment
orchestra. orchestra.

Business sessions will be held in the morning and afternoon, and possibly evening of Wednesday and Thursday evening or wednesday and Polisday morning, and possibly Friday morn-ing. In the afternoon of Thursday, the visitors will be taken for a visit of inspection of the western fruit district, going by special Grand Trunk train to Grinsby Park and thence by train to Grimby Park and thence by electric cars along the H.G. and B. line, visiting several fruit farms en route, and taking the G.T.R. train at Stoney Creek for St. Catharines. at Stoney Creek for St. Catharines. On Friday afternoon the visitors will be taken by automobiles through the eastern fruit district, visiting some of the fruit farms along the lake and river roads. Other visits may be arged as alternatives to the Jordan Fonthill districts. On Saturday the visitors will be taken by special Grand Trunk train to Guelph on a visit to the Agricultural College.

visit to the Agricultural College.

During the week, (to be exact, on
Wednesday, Thursday and Friday,
Sept 15, 16 and 17) the Niagara District Horticultural Exhibition, which the St. Catharines Horticultural Soc iety established five years ago, and which has gained a previncial reputation, will be held, see this year it will far surpass all the see that th established five years ago, and of the district is a bumper one, and this is especially true of peaches, and this exhibition taking place, as it does, when the peaches are at their best, to say nothing of grapes, pears, plums, etc., will tend to show what the famed Niagara District can produce in the fruit line. in the fruit line

In addition to the com the prizes offered by the St. Cath-arines Society, which aggregate nearly \$1,500, there will be the competitions for the Wilder silver and bronze medals offered by the Pomological Society. This competition is open to the continent, and there will be many seeking to win these coveted awards. This competition alone it is covered awards. petition alone, it is expected, will make an exhibition larger than we have yet seen in this province.

have yet seen in this province.

At the time of going to press with
this number of Farm and Dairy, we
cannot make definite announcements
of details, but our readers will do well
to make arrangements to visit St.
Catharines during the holding of this
great exhibition and the wisit of the Catharines during the holding of this great exhibition and the visit of this distinguished Pomological Society. It may be taken as an assured fact, that single fare rates will be available from all points in Ontario where the one way fare does not exceed \$2.50, and from points where the

one way fare is above that sum, the round trip rate of single fare may be had on the certificate plan. More definite announcements will be made in a later issue of Farm and Dairy.

Notice to Fruit Growers

J. A. Ruddick, Department of Agriculture, Ottawa.

Last year this department arranged to have one cold storage chamber reserved on four steamers sailing week-ly from Montreal to London, for shipments of early apples and tender fruits, the Department guaranteeing the earnings of the whole space. Similar arrangements have been made for the present season, with the excephar arrangements have been made for the present season, with the excep-tion that the steamers will sail from Montreal alternately to Glasgow and Lendon. The steamers and sailing dates will be as follows:

Steamer	Line	Sailing Date	Destination
Hesperian	Allan	Aug. 21	Glasgow
Cairnrona	Thomson	28	London
Grampian	Allan	Sept. 4	Glasgow
Hurona	Thomson	21	London
Hesperian	Allan	18	Glasgow

One chamber on each of these steamers will be available for shipments of fruit at the regular rate of freight, to be paid to the steamship companies in the usual way. A proper tempera-ature will be maintained in these attraction way. A proper tempera-attraction was a substitute of the proper substitute of the proper substitute of the proper substitute of the substitute of the of fruit which may be offered for shipment, substitute of the shipment substitute of the substitute of the substitute of the critical substitute of the subs same week

The Department of Agriculture will assume no responsibility in tion with these shipments there tion with these snipments there will be the usual supervision by the cargo inspectors at Montral and at port of destination. To mographs will be installed in the chambers so that a complete rec the temperature on each vo will be seured.

As the space in these chambers is As the space in the date of the limited shippers who intend to take advantage of the facilities offered on these five steamers must notify the Dairy and Cold Storage Commissioner Ottawa, before making shipments, and freight will be accepted in the order in which the space is booked. Applications for space should state the number and size of the packages which are to be shipped

In connection with these sailings ne Department has arranged with the Department has arranged with the Grand Trunk Railway Company to run an iced car weekly from St. Thomas to Montreal to pick u what-ever shipments of fruit may offer at the different stations between St. Thomas and Hamilton, via Parvis, the car to a scaled at Hamilton Parvis, the car to be sealed at Hamilton and forwarded to Montreal by fast freight without any extra charge for the icing without any extra charge for the leing or for the special service. This car will leave St. Thomas at 7.30 a.m. on Wednesday of each week, commencing August 18 and ending Sommencing August 18 and ending Sommencing August 18 and ending some other 15. Following is the proposed schedule for this car showing the time it will be due at the different stations named. Freight however, will be accepted at any station on the route between St. Thomas and Hamilton.

	STATION	TIME	TRAIN	DAY
L've	St. Thomas Aylmer Tillsonburg Delhi Simcoe Jarvis Hagersville . Caledonia Hamilton Montreal .	8.50 " 9.45 " 11.15 "	72 	Week.
		-		

Send short articles or fruit growing or gardening for publication or this page.

Deformed Apples - Curculio

Much concern is expressed by orchardists in Maine who are troubled by deformed and worthless fruit. One fruit grower reports 60 barrels of worthless fruit last season and prospect of several hundred dollars less this, and various orchards over at least the southern third of the state are in a similar condition. Orchard owners who have had trouble with guarded and pitted apples are urged to excumine their fruit at once for the continuous continuous and the season is asked, and which at this season is also as the season is also described by the current of the continuous troubs in the Maine orchards, and one least recognised by apple growers. As it is one of the orchards, and one least recognised by apple growers. As it is one of the orchards, and one least recognised by apple growers. As it is one of the orchards, and one least recognised by apple growers. As it is one of the orchards, and one least recognised by apple growers. As it is one of the orchards, and one least recognised by the orchards of the orch Much concern is expressed by orch

apple growers. As it is to all ap-pearances rapidly on the increase, orchardists cannot afford to neglect

orchardists cannot airor to neglect the alarming situation.

This trouble is of such a serious character and of such economic importance that the Maine Agricultural Experiment Station has kept a record of orchards where complaints of deof orenards where complaints of de-formed fruit in the fall have been made and visited these the next spring (1907, 1908, 1909) at which time the trouble could be definitely determined. The curculio has been determined. The curculio has been bred by the station entomologist, from the young apples troubled in this way, the effects of the curculio wounds

One Boy's Success

One Boy's Success

Having read in Farm and
Dairy that I could secure a
pure bred pig for seven new
subscriptions to that paper, I
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on apples at different stages noted, and the situation carefully studied. The methods of controlling this pest are tedious but derive and possible, and (if apples are tedious but derive and possible, and (if apples are to the order of the possible, and if apples are to the order of the possible, and in other respects. Specimens of deformed apples will be examined and the curculio work, if present, identified for any orchardist in the state applying to the station for information. Such specimens should be preapplying to the station for informa-tion. Such specimens should be pro-sented within the next fortnight while the wounds are still character-istic. Not less than one quart of ap-ples should be submitted for this pur-

-Any suspicion of this trot ble in Canadian apple orchards should ble reported at once to the nearest agricultural college or to the Central Experimental Farm, Ottawa.—Edi-

Renew Your Subscription Now.



August ***** PO

****** Poultry

Prof. F. C. In Farm touched touched upoultry ind ed States ing reviews and deals Ireland, p

Farmers we prices. No preeds. Wh rising, eggs than they s marketed st undesirable brought the lish market. as the Irish Society too along the sa great deal o before the p ry by the standar to the produ

CO-OPE In looking poultry indu have made of of the trade, tion and co-key-note. Go ectly, or ind societies, has about. CANADA

The indust: organization formation has ious Governm preciated. tention given erior quality offer for sale. receive the b accordingly. of inferior gra be disposed of bell sell be disposed of to help sell there is very one man to produce a good bor gets the inferior grade

LACK OF This same and it will de work that has instruction if This is one of ties that mus must be in ke a good article and more of t the pocket of t difficulty comes the trade—the the absence of large buyer has producers to of tity and when as many ducers. Th producers. and every pack ed and graded consumer is seld eating. For a he may get

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POULTRY YARD

Poultry Industry in Canada

Prof. F. C. Elford, Macdonald College In Farm and Dairy last week we In Farm and Dairy last week we touched upon some phases of the poultry industry in Canada, the United States and Denmark. The following reviews the situation in Ireland, and deals further with the situation Canada:

in Canada; Ireland, prior to 1898, had a poultry trade that was very unsatisfactory. Farmers were satisfied to sell small eggs and scrawny chines at low prices. No attention was the breeds. When the prices of eggs were kept much lower rising, eggs were kept much lower marketed stale, dirty, and in a very undesirable condition, and of all eggs, brought the lowest price on the Engundesirable condition, and of all eggs, brought the lowest price on the Eng-lish market. In 1898 a society known as the Irisi Agricultural Organization Society took the matter up much along the same lines as Denmark. A great deal of education was necessary before the peasants could co-operate. before the peasants could co-operate. The stimulus given the poultry industry by the co-operative work has brought the quality up to a more uniform standard, has given better prices to the producer as well as better quality to the consumer.

CO-OPERATION THE SECRET

In looking over the history of the poultry industry of countries that have made or are making a success of the trade, it seems that organiza-tion and co-operation has been the key-note. Government assistance, dir-cetly, or indirectly through existing societies, has done much to bring this

CANADA AND CO-OPERATION

The industry in Canada is ripe for organization towards co-operation. Information has been given by the various Governments who have been appreciated. This is showned and the centrolog given to poultry and the upper offer for sale. Consumers are ready to receive the better dressed bird and the strictly new laid egg and to pay accordingly. Along with this quality, however, there is a large proportion of inferior grade produced that must be disposed of and the good is used to left be selected to the strictly new selections. The industry in Canada is ripe for to help sell the bad. As a result there is very little encouragement for one man to pay extra attention to produce a good article when his neigh-bor gets the same price for a much inferior grade.

LACK OF DISCRIMINATION

This same lack of discrimination has affected the Canadian bacon trade and it will destroy much of the good and it will destroy much of the good work that hen done in poultry instruction if the month of the continue. This is one of the work man difficulties that must be made and the continue must be in keeping with the quries a good article must get a good price and more of that price must go into the pocket of that price must go into the pocket of the producer. The second difficulty comes from the other end of the trade—the lack of uniformity and the absence of recognized grades. The large buyer has to deal with too many producers to obtain the desired quantum contents. large buyer has to deal with too many producers to obtain the desired quan-tity and when he has acquired it, he has as many grades as there were producers. There is no uniformity and every package has to be inspect-ed and oraded separately even and every package has to be inspect-ed and graded separately, even the consumer is seldom sure of what he is eating. For a 50-cent a pound broiler he may get a stunted chicken kept over from last fall, and he pays 60 to 70 cents a dozen for "new laid" eggs that have been held for six months.

to get his produce at half price. On to get his produce at nail price, von
the other hand many consumers accuse the producer of robbery, providing stale eggs and old hens when the
prices paid should warrant new laid
eggs and broilers. There may be a
grain of truth on both sides but this
calling should not exist. The pro-************* ducer should recognize the consumer as his best friend and vice versa. They as his best friend and vice versa. They are partners. A proper system of co-operation would help. We need a system that would bring the two ends of the industry closer together. Be-tween the man who produces the egg tween the man who produces the egg and the man who eats it, is placed a gulf that must be bridged over. In this gulf is found the suspicion that the one holds against the other; the distance they are apart—four to six middle men and four weeks of time; the deterioration in quality the erg the deterioration in quality the egg undergoes in a month's time; the difthrough the direction of the control of the control

are differences that co-operation might help to overcome. Next week we shall show up the great difference between the price paid by the consumer and that received by the producer, and seek to show that co-operation can be applied to the product of the product o to our poultry industry.

Cause of Gapes in Chicks

Prof. H. A. Surface, State Zoologist Pennsylvania

Gapes in little chickens are caused Gapes in little chickens are caused by the eating of earth worms. There are parasites in the earth-worms which find their way into the windpipe of the chicken and lodge there, where they take the form of little red worms. The best preventive is to keep the chickens from the surface of the ground; or use salt or strong salt water on the soil, so as to kill the earth worms; or strew strong lime or something of the kind on the ground, so that the chicks will not get hold of the worms to eat them.

After the chicks have been attacked with gapes, however, you can dislodge the worms by making a very small loop in a twisted horse hair, draw out the tongue of the chick slightly, insert the horse hair loop in the windpipe opening, which will in the windpipe opening, which will be seen between the forks at the base of the tongue, and, twisting the hair around, withdraw it. The worms are likely to be found within the loop, or some of them will have been thus removed, and the operation can be repeated.

Another remedy is to dip the tip. After the chicks have been attack-

repeated.

Another remedy is to dip the tip of a soft feather into kerosene and insert it in the windpip opening to dislodge and kill the worms. Such treatment, although severe, is better than letting the worms remain undiscipled to according to the severe words. than receing one worms remain undis-turbed, to severely annoy the fowls and even kill them. Mixing turpen-tine or other substances in the food of the young poultry has not proven sat-isfactory as a remedy for gapes.

Old and Unprofitable

"E. F. Thomas, of Northfield, has lost a hen by death which had attainlost a hen by death which had attained the very unusual age of 21 years. She retained her mental and physical vigor up to her last illness, which was short and during all the years she had lived with the family she worked industriously, laying an egg now and then until the end. Thus is refuted the claims of poultry experts who assert that only young fowls are profitable."

What about this hen? It would be interesting to know how many eggs

What about this hen? It would be interesting to know how many egges she laid each year for the last 2a years; if the feed she consumed had been fed to a pullet each year how many more eggs would have been the outcome. Taking the figures experiments asem to noint to get the content of the content of the content of the content of the content as the content of the content of the content as the content of the co months.

outcome. Taking the figures experiments seem to point to, that is, that a hen decreases in egg production one quarter each year of her life, if the roducer to think that the consumer the rule worked out with this hen, is his enemy and that he studies only

ing her twentieth session, or dur-ing her life time about 757 eggs. Supposing her pullet and pullet's pullet, etc., had been kept in her Supposing her pullet and pullet's pullet, etc., had been kept in her pullet, etc., had been kept in her place throughout the 20 years, and allowing the pullets to lay the same as we allow the old hen to have laid as we allow the old hen been their credit have 3,000 eggs to their credit at an average price of 12 cents a dozen, the old hen would have 87.67 to the credit and the pullets \$30.00. It is test \$1.00 a year to feed a hen pullets have a bank account of \$10, while the Mrs. Van Winkle Hen owes the world \$12.43.—F.C.E.

Weaning Chickens

Weaning Chickens

The taking away of the mother hen, or the total abolition of all artificial to the total artificial persons of the total abolition of all artificial that is very often postponed far too long. As soon as chickens are fairly well feathered, and the weather is moderately mild, there no longer remoderately mild, there no longer remains any reason for the hen to be cooped up, or the brooder lamp to be kept burning, and in the former too cotten the means of innaarting a too often the means of innaarting a too often the means of innaarting a large colony of vermin to the chickens as soon as their growing feathers

large colony of vermin to the enick-ens as soon as their growing feathers provide sufficient cover. Coddling may result in the growth being checked and the constitution being undermined. The system of being undermined. The system of hardening off chickens as soon as they get their first feathers is one to be heartily commended.

Put up Jobs on the Hens

Put up Jobs on the Hens

It is claimed that some of the poultry raisers of the good state of lower that the motived for a long time that the motived for the lights in his hen house and about two o'clock in the morning turns on the lights. The hens wake up under the impression that it is daylight and get busy. They lay their regular quots of eggs. They lay their regular quots of eggs. In this was hard to the morning turns on the lights. The hens make up under the impression that it is daylight and alouble supply for the motivation of the lights and the hens go back. Then we have the size of the single egg the hen used to lay, but as eggs sell by the dozen and not by weight that make an difference to the farmer. The hens, however, are getting to look worried. They can't understand this chief the motivation of the light that make an difference to the farmer. The hens, however, are getting to look worried. They can't understand this chief the motivation of the light that make the heads and difference to the farmer. The hens, however, are getting to look worried. They can't understand this chief the motivation of the look of l

other so close, and it is feared that some of them are getting onto the method of the farmer. When they really do catch on there will be a strike among those hens.

Time is Money

We need a year to grow a pig,
'Tis two before a steer is big,
The hens lay every day.

Alfalfa takes three years to spread, A horse as colt four years we fed, The hens lay every day.

A few weeks yield the honey store, Then blosoms, fruit and all are o'er, The hens lay every day.

For other things, too long we wait, Our life is short, and pay-day late, The hens lay every day.

Poultry Pointers

The new poultry husbandry has taught us to avoid the weakling as we would the pestilence.

Don't forget that chickens all need pure, fresh wat water, where they can get

Share the skim milk with the hens. They will make as good use of it as any creature on the farm.

Moth-balls put in the nests are said to drive away lice and mites and be a sure protection for setting hens.

Keep the poultry houses clean, and give them an occasional whitewashing and your fowls will not be bothered

by nee,

Surplus cockerels at this season of
the year don't pay for their keep,
unless one is engaged in selling breeding or exhibition stock Remember
that a pullet will eat anything that
a cockerel will and make a good deal
better use of it. better use of it.

If you want a hen to lay you mustn't follow her around and watch her through knotholes. She'll get onto your little game and she won't lay to your little game and ane won via nary an egg, just to spite you. You saw her dodge round the corner of the saw her dodge round the corner of the barn just now, and you mearly broke your neek getting over the orchard fence so's to keep her in sight, and when you came up with her she gave you the merry ha, ha! Now, if you will pretend that you don't care a gol darn whether she lays or not, she'll come into the house and lay under the sofa.—The Khan.

To Scare Crows.—Bright rags or bits of new tin, tied to the branches of trees around the brooder yard will keep away crows and hawke. If they still bother, cover the yard with a lacing dwine by carrying it back and for the from the brooder roof to the wire fence of the yard, and the chicks will have a chance to eat in neare.

DO YOU KEEP PIGS?

IF SO. COULD YOU KEEP ONE MORE?

Would you like to earn one FREE, a pure bred? Send us only 7 new yearly subscribers to "Farm and Dairy" at \$1.00 each, and we will send you a pure bred pig, any breed you desire, with pedigree for registration.

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OUR PROTECTIVE POLICY

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FARM AND DAIRY PETERBORO, CAL.

JOHN DRYDEN, THE FARMERS' FRIEND

The farmers of Ontario have lost in Hon. John Dryden a wise, practical and experienced adviser and friend, and one who had their interests close at heart. As Minister of Agriculture for Ontario, and as a breeder and exporter of pure bred stock, he earned a reputation that made his name familiar throughout Canada, the United States, and other countries. For his sympathy with all lines of our varied agriculture he came to be recognized as the most successful Minister of Agriculture that Canada and her provinces have known.

Mr. Dryden combined a therough practical knowledge of Canadian agriculture, a keen appreciation of the case. The yellow bloom in evidence value of scientific discoveries, good on many fields in that district to-day administrative abilties, and a broad, dignified, hopeful outlook of the farm- tions within the next few months. er's calling. In his constituency, the agricultural society, the public school, the township council, the village few indeed but have some small patchchurch, all felt the influence of John

in the Legislature, and he occupied a The stranger need not be informed as car lots. Compared with the price into the ages in the annals of a better ous mass of yellow sow thistle bloom. agriculture. Possibly Mr. Dryden was Crops infested to such an extent best known as an advocate of advanced should be cut at once and the whole methods in agriculture. He believed cured for hay. Otherwise they will do that scientific farming would produce damage that will take years and years the best results. This feeling led him of careful and persistent cultivation to to become a persistent, intelligent and enthusiastic promoter of the Ontario Agricultural College and Experimental Farm.

Mr. Dryden served his country well. He was honored by his fellowmen, He lived an honorable, straightforward life. Even his political opponents pointed to him with pride as an example and an inspiration for the young men of Ontario. Canadian agriculture owes much to "John" Dryden.

SOW THISTLE MUST BE CHECKED

From the vigorous campaign of instruction relating to the perennial sow thistle that has been carried on in the columns of Farm and Dairy during the past two years our readers have come to recognize a serious foe in this pest. Many know of this weed from sad experience. Others more fortunate and in more favored districts have yet to learn of it at first hand. Unless some definite action is taken by the Government to check it sow thistle will soon be as widely known and more common than the Canada thistle.

To appreciate what this pest means, one must see it in sections of the country where it is at its worst. Parts of Victoria and Durham Counties, Ont,. as well as many other counties. notably Wellington, have their full share of this "yellow" scourge. The enormity of the problem that sow thistle has brought before our farmers of to-day, was more forcibly than ever brought home last week to an editorial representative of Farm and Dairy while driving through a considerable section of Durham County. Under present conditions, it would seem to be an almost hopeless task to combat this great foe. With sow thistle on an adjoining farm or even on farms at a considerable distance, it is only a matter of time when these farms and others in the neighborhood will be seeded down. The situation is so bad in some localities, our representative was informed, that at threshing time the screen doors of houses a considerable distance to the lee of where the threshing machine was in operation, would be found to be well spotted with the seed and pappus of sow thistle carried there by the wind. Such would appear to be an extreme insures a recurrence of these condi-

All farms in the district referred to

overcome

Something more radical than has yet been attempted in Ontario, must be done to curb the rampage of sow thistle. Those responsible for the badly infested fields fail to recognize the offence they are giving to other farmers in the community. The one such laws as are now in force in Mani. toba whereby the fields of any farmer who fails to take measures to prevent sow thistle from seeding, are taken in charge by an inspector who orders the sow thistle cut and should the parties responsible fail to carry out the work, the thistle is cut for him, the expenses for which work are charged up to him in his taxes. The Ontario Government should give this problem its early consideration. It is imperative that the ravages of sow thistle be checked.

LIGHT IN FARM STABLES

It is unfortunate that many do not recognize the value of abundant light in stables. Barns that were erected some years ago are inadequately supplied with light. Many are little less than dungeons in this respect and in some of them it might almost be termed a crime to house stock. This condition applies to some extent to many barns recently erected. It is a great oversight on the part of those who planned them.

Light is the best disinfectant we have, and is available to all if they will but take advantage of it. All these stables can be improved. It is a comparatively easy matter to enlarge the small inlets for light. No particular difficulty is in the way of knocking out these small windows, and enlarging the opening in the stone wall to a size in keeping with the dictates of modern thought and practice in regard to light. The small expense and trouble of making such improvements are well within the bounds of the benefits and advantages that will be reaped. It is gratifying to note as one travels through different districts of the country that farmers in general are becoming alive to the great importance of light and are undoing mistakes made in this particular when building, by replacing the old windows with much larger ones.

AN OPPORTUNE TIME FOR FARM CEMENT WORK

There never was a time like the present for putting in cement work on are not equally affected. There are the farm or elsewhere. Never in the history of cement have prices been so es of sow thistle, the blame for which low, thanks to vigorous competition and he in turn was can readily and truthfully be attached among the manufacturers during the moulded by them. In 1879 he was to careless neighbors who perchance last few months. Cement is now sell-

seat there every year, with the excepto whether or not the fields of spring that was common a few years ago, the tion of one session, till 1905. As Min-grain in that district were put in by great reduction would seem a veri ister of Agriculture, he wielded a great tenant farmers. On rented farms sow table God-send to the farmers of to influence for good, and the name of thistle is the most abundant. Many day. Those contemplating installa "Honest" John Dryden will pass on fields were seen that were a continution of cement work would do well to plan it for the near future:

While there seems no indication of any early rise in prices (in fact, it seems quite impossible for prices to go up under present conditions, ow ing to the fact that increased production is much greater than increased consumption) still the fact of several companies closing down their works. some having been forced to assign, will tend to bring conditions back to normal. At any rate, prices would seem to have reached a rock bottom level and are such that no one should thing to do, would seem to be to enact delay in installing contemplated coment work.

HIGH SCHOOL AGRICULTURAL EDUCATION

To be a successful and up-to-date farmer, it requires that one be possessed of an education, varied and thorough as that of any business or professional man. As farmers we require a knowledge of different kinds of soils and the best way to treat them. We should understand the principles that underly such subjects as underdrainage, aeration of the soil, the part played by bacterial life in the soil, how plants feed, how plants grow, how new varieties of grain and fruits are produced by cross fertilization. We should have that knowledge of botany that will enable us to recognize weed enemies and teach us how to cope with them, and to understand the nature of crops. We should know enough about insects to distinguish which are beneficial and which are foes. The same applies to birds. We should possess knowledge in regard to forestry so as to preserve and extend our bush land in the most profitable manner. We should know the value of and how to manage the farm orchard and vegetable garden. We should understand enough about veterinary science to be able to diagnose the simple ailments of stock and to know when it is adisable to call in expert practitioners to treat the more serious ailments. We should have an understanding of the principles of live stock and have the practical ability and push to enable us to apply this knowledge to these things in actual work.

Nor is this all. We must be machnists and carpenters. We ought to have public spirit and manliness enough to make valuable members of our respective communities, domesticity enough to make us the indispensible centers of our homes; and common sense and business methods enough to enable us to guide wisely all the ends of a complicated business. Such is part of the education required by the farmer.

It is well that our Ontario Government is alive to these facts, and has taken measures seeking to give agricultural education in our H gh Schools. The work that is being done chosen to represent the constituency are on rented farms in close proximity. ing at \$1.15 net per barrel f.o.b., in the expert representatives of the Onin the eleven districts now served by

tario Der commenda includes e The instru to give is requires. who are e their calling community

August

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Butter Mak tions to this d matters relation ******

Operation

The Kerw Factory is sin Kerwood on t G.T.R., 26 m is at present Wm. Waddel plant was a s ating for six making less a year. At I eration for the output for nearly 100 tor This increas tributed to th

and cheese as

or cream is iness carefully giving pat Butter is ma in the year f the factory. It De Laval pow skim milk is re Cream is also re rons who have prefer to skim the cream bein indvidual cans that draw the from May 1st t patrons who pr cheese factory. med and butter the cream, the l

Butter and c shipped weekly. monthly on the month for the May of the pre refrigerator was giving good sat asonably kept at a tempe with an with an economic present, the butte marketed in one bulk of it going ket where careful years has market

The Dairy Fari ery Buttermak

The dairy farm the dairy business, we must start to n dairy farm, large

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tario Department of Agriculture is commendable. May it spread till it includes every county in the Province. The instruction that they are seeking to give is just what every farm boy requires. Those interested in boys who are expected to make farming their calling will do them and the community a kindness and a lasting benefit by using their influence to induce the boys to avail themselves of the agricultural instruction to be given in the classes now being organized for next fall.

********* Creamery Department \$

Butter Makers are invited to send contribu-tions to this department, to ask questions on matters relating to butter making and to sug-sest subjects for discussion, Address jour to etters to the Creamery Department.

Operations of an Up-to-Date Plant

The Kerwood Cheese and Butter Factory is situated in the village of Kerwood on the Sarnia branch of the G.T.R., 26 miles west of London and is at present owned and operated by Wm. Waddell. Nine years ago this Wm. Waddell. Nine years ago this plant was a small cheese factory operplant was a small cheese factory operating for six months in the year and making less than 50 tons of cheese as the six of the six o

and cheese are manufacured. and cheese are manufacured. Milk or cream is received and the bus-iness carefully managed with a view of giving patrons the these carefully managed with a view of giving patrons the best possible returns which are promptly paid. Butter is manufactured 12 months

Butter is manufactured 12 months in the year from milk received at the factory. It is separated by three De Laval power separators. The skim milk is returned to the patrons. Cream is also received from those patrons, who have hand separators and Cream is also received from those patmass who have hand separators and
more to skim the milk at the farm,
the first considered the second of the second of

Butter and cheese are sold and shipped weekly. Patrons are paid monthly on the 15th to 18th of each month for the preceding month. 18th of the month for the preceding month graph was a single present year a Eureka refrigerator was installed which is giving good satisfaction and when kept reasonably well closed can be kept at a temperature of agreement with an economical use of ice. At present, the butter is nearly all being marketed in one pound prints, the Butter and cheese are sold and marketed in one pound prints, the bulk of it going to the London mar-ket where careful attention to quality for years has secured a splendid market.

The Dairy Farm from a Creamery Buttermaker's Standpoint

The dairy farm is the foundation of the dairy business, and here is where we must start to make it a success dairy farm, large or small, can be

FOR SALE

No. I Alpha Cream Separator (belt.). Also one Richardson & Co. pasteurizer, 1,000 lbs. No reasonable

BOX 297, LISTOWEL, ONT.

made profitable. The farmer is the manager, and to him it is success or failure. To be a successful manager, a man must have business ability. We a man must have business ability. We all are born with some business ability and it is developed more and more as we grow older. It is the sole duty ley and to is developed more and more as we grow older. It is the sole duty of every father to educate his children of every father to educate his conductor and to teach them to do some useful thing well, even though the parents cannot read or write. A great mistake with many farmers is that they take with many farmers is that they are ignorant and cannot read or write, and they generally do not care to send the children to school and are to send the children to school and are of the opinion, or under the delusion that it is not necessary for a farmer to have proper education. This is a of the opinion, or under the delusion that it is not necessary for a farmer to have proper decision. This is a great mistake, as affected in the first proper decision and the street wants to manage a far armer that wants to manage a far armer day and make a success of dairying, must have some education. He may farmed the street wants for the success of the success money and spend it.

THE KNOWLEDGE NECESSARY THE KNOWLEDGE NECESSARY
On a dairy farm we must know
dairy farm we must know
how much it cost to produce
100 pounds of milk and how
much milk it takes to make a pound
of butter or butterfat; we must know
how much we feed our cows, and
what they return. The how much we feed our cows, and what they return. The practical dairy farmer knows what his cows bring him and does not have to ask the buttermaker how much his cows the buttermaker now much his cows net him. In order to have success on a dairy farm, the manager should keep posted on the latest dairy methon a dairy farm, the mainger should keep posted on the latest dairy methods, and he can only do so by keeping a few good dairy posted in a few good dairy posted in the successful farmer gets his knowledge. We find in them many valuable gotions regarding breeding, feeding gotions of the farm of the farm will any damy other articles used findle invested in a dairy paper on the farm will pay for itself many many time throughout the year. We find every good buttermaker has one or more airy papers, and is always desiron has been more. When the patron has been more good buttermaker always desiros has been the freshles to the buttermaker and the good buttermaker gives him advice good buttermaker gives gives him advice good buttermaker gives gives good buttermaker gives ging gives gives gives gives gives gives gives ging gives gives gives gives gives gives gives g

maker gives him advice.

DARY PARM REQUISITES.

On a practical dairy farm, good water is the greatest necessity and the water tank must be so constructed that it can be kept cover at all times. Next is a good milk house so milk or cream can be handled with little work. All utersils must when used, or sweet milk and cream cannot be expected. It is a bad practice to hary gour milk pails up in the barn over night and use them again next morning without washing. You cannot deliver sweet cream when you leave your as use them again next morning withwashing. You cannot deliver
west crown when you leave your separator unwashed after you have sepparator unwashed after you have sepparator separator after with and run
arour shin through in the morninginst long and see the slime. Do not
feel min the your separator after
separator after the buttermaker smells around your cream can, trying to find
out what causes the bad flavor, and
out what causes the bad flavor, and
out of teel mad at the buttermaker
if he rejects your cream or milk hando not feel mad at the buttermaker if he rejects your cream or milk handled in this way, for he is trying to make good butter and it is impossible to make good butter after the cream is spoiled. Put the blame on vourself, and do better, for you are the loger.



Ask Him

When the agent for the imitating Cream Separator has finished his assault on your intelligence, ask him :-

Where did you come from?

How long has your machine been on the market? How long will it be?

Why should I buy it rather than the De Laval? As you claim it to be the same as the De Laval, why should I take a chance, when I can buy the genuine De Laval?

Has your machine the Split Wing Tubular Shaft? Why not?

Won't it be a long time to wait until the patents

Will you agree to skim as well as the De Laval? Then put it in the order that it must do as well as the De Laval or no sale

THE DE LAVAL SEPARATOR CO 173-177 William St.

MONTREAL

WINNIPEG

VANCOUVER

Do not think your milk or cream not Do not think your milk or cream not properly cared for, and rejected by one buttermaker, and taken by another, is all right. You may think that the one who rejected your stuff is trying to play smart, but he is trying to save you money and extra expense, while the other one who is taking in all your off-flavored stuff is ing in all your off-flavored stuff losing money by forcing impure and unwholesome food on the market.

unwholesoms food on the market.

So, kind reader, he clean in handling your dairy products and you will
make more more?

amount of raw material. If you have
amount of raw material. If you have
amount of raw material. If you have
aneighbor that has not not take a
dairy paper. After he have not and one
for some time, he will bless you and
may do you a good turn.—E. B.
Hosig, in Hoard's Dairyman.

Pointers on Making Whey Butter

Some conclusions regarding the best methods of manufacturing butter from whey as reported by Mr. G. G.

Publow, Chief Dairy Instructor for Eastern Ontario, are of interest. The whey should be warm for skimming: 128 degrees F. is found to be satisfactory. A rich cream gives butter of the state of the sta

his same low temperature.

It has been found that churning It has been found that churning at a higher temperature with much acidity developed was detrimental in several ways; there was a poorer flavor, body, and texture and there was a greater loss of fat in the buttermilk and a lower moisture content in the manufactured butter. Then, too, there was an excess of cheese color noticeable in the butter.

Our "Pig Offer" is a dandy. Have you taken advantage of it yet? Read it elsewhere in this issue.

PERFECT

STEEL HOG TROUGH

A Clean, Strong, Never-Wear-Out Trough Made of steel, the Chewing Hog caunot gnaw it. Our Troughs will stand the ravages of time and weather, and is a great ECONOMIZER on the old wooden style.

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and save the Middleman's profit. We refund your money—every cent
if our Troughs and Steel Tanks are not as represented. Write today for our Catalogue and SPECIAL OFFER. Address Dept. M.

Steel Trough and Machine Co., Limited

to the Watsons as an addition to their home. He afterwards regrets this

Cheese Department
Makers are invited to send contributions to this department, to ask questions on matters relating to cheesemaking and to suggest subject for discussion. Address your letters to the Cheese Maker's Department.

ที่ออออออออออออออออออออ A Substantial Cool Curing Room

Cheese makers of experience can appreciate just what it means when a maker who has been in the business for 18 years says he is not a bit afraid of a hot day, thanks to his cool curing room. The cool curing room at the Pine Grove Fac-tory, Peterboro, Ont, and which is illustrated on this page, was built last summer and is now in use for the first season. When visited recently summer and is now in use for the Oshawa galvanized steel. The ice first season. When visited recently chamber proves most convenient for by an editorial representative of purposes other than that of cooling Farm and Dairy, Mr. R. H. Little, who owns and operates the Pine Grove factory, informed our representative that hot days used to make into the curing room permits of Grove factory, informed reasy access. A space of several feet sentative that hot days used to make across the chamber was reserved when him tremble. With the grease drijp-the iee was installed. A table placed ping from the shelves, he did not in this space furnishes accommoda-

per protecting the main part of the wall. The inner walls of the ice wall. The inner walls of the ice chamber are of the same material and are built in the same way as the out-er walls except that matched lumber or wais except that matched lumber is substituted for the concrete blocks. The floor of the building is cement throughout. In the ice chamber, strips are laid on the cement and on top of this is a ply of loose lumber, on which the ice rests.

on which the ice rests.

The whole system works perfectly. The cost of the building was about \$600. The room above the curing chamber can be used as a storage for boxes and as a hall for meetings. This hall has been made use of as a school since January, until the recent bedie since January until the recent holi-days. The building is shingled with Oshawa galvanized steel. The ice

and while we were taking the samples for the curd test the next morning, we told everyone what had happened the day before. And the thing pened the day before. And the thing has been agitated so much at our fac-tory that everyone knows what to do when we say pin-holes, and that set-tled the pin-holes for this season." Some Canadian makers may have had similar troubles. The remedies applied by one Wisconsin friend are worth trying. Their value lies in con-

not trying. Their value lies in convincing the patron that his milk was not what it ought to be. If every maker could get his patrons together and demonstrate the effect of sour cr and demonstrate the effect of sour cr tainted milk upon the finished pro-duct a great deal would be accom-plished in the direction of securing better milk.

Dairying in Prince Edward Island

Walter Simpson, Queens Co., P.E.I.
The make of cheese for June and
July is very much in advance of these
months last year. Pastures are hold-

July is very much in advance of these months last year. Pastures are hold-ing out well and our rain fall for July has been quite sufficient. Cheese sales so far have been very satisfactory and will average about 1114′ cents. There is little or no com-plaint from the buyers re quality. Our Dairymen's Board of Trade Our Dairymen's Board of Trade Weeks. McCharlottetown every two weeks. McCharlottetown every two to inspection in the factor subject to inspection in the factor subject offered on the board and sold subject to inspection in the factories—and afterwards sent to the ports of export where if any dispute arises about weights it is settled by officials who are appointed by the board. We consider this system preferable to shipping our cheese out of the factory and to be inspected at the port of export as it enables us to handle locally to better advantage any goods that did not come up to the requirements of the foreign trade. But as a matter of fact very few cheese are rejected

as the quality is very even and uniformly good. Our makers are up-to-date and are favored by a somewhat cool climate which insures success in curing when proper care is exercised. Many of our factory curing rooms are supplied with ice during the hottest of the season

An inspector and instructor is e ployed for seven months, from the first of June who makes frequent visits to all the dairy stations inspecting its to all the dairy stations inspecting, the factory plants, and surroundings, and assisting the makers to solve any of the little problems that arise from time to time in the making room. Our territory being only small one official is able to overtake all this work, and this fact has a tendency to make any products more uniform. work, and this fact has a tendency to make our products more uniform than if different men of different ideas were doing the work. I have it on the word of a representative of one of the largest cheese firms in Great Britain that Prince Edward Island cheese last season gave better satisfaction in the British market statisfaction in the British market statisfaction in the British market statisfaction in the British was the statisfaction in the statisfaction in the British was the statisfaction in the statisfaction in the British was the statisfaction in the statisfaction in the British was the statisfaction in the statisfaction in the British was the statisfaction in th

is comparatively new here.

Our people just a billier of dairying in general and of the feather of the great state of the possibility of this province in particular billier of the great state of the grea

Have you forgotten to renew your subscription to Farm and Dairy?

POSITION WANTED.-Balance of year, by experienced cheese and butter mai Good references.—G. Thomas, Ivy, Ont



A Cement Block Cool Curing Room that is Giving Satisfaction

The cool room in connection with the Pine Grove cheese factory (Peterboro Co., Ont.) and which is illustrated above, is built of cement blocks. The curing room is 30 24 ff. It is described in the adjoining article. Mr. R. H. Little, who owns is 30 24 ft. A large number of hogs in pens a considerable distance from the factory, the whole large number of hogs in pens a considerable distance from the factory, the whole large number of may be seen in the photo. Photo by a Special Representative of Farm and Dairy.

know which way to turn. Since erectknow which way to turn. Since creeting his cool curing room, his troubles were over in that particular. Commenting upon the efficiency of his cool room Mr. Little stated that he would not have been without it, so far this season, for \$50. Although the drafts have never been used, the room has stayed almost constantly at 64 and 65 degrees.

The curinor room is 24 x 30 feet. It

64 and 65 degrees.

The curing room is 24 x 30 feet. It is made of cement blocks. These are made in spare time right on the ground. Mr. Little is planning to build a make-room this fall out of this same kind of material. Already he has a number of blocks manufactured, he and his boy having made as many as 100 in a day, besides attending to the regular work of the factory.

ractory.

The curing room has a capacity of 225 cheese. The ice chamber, 9 x 18 feet is built inside the curing room. The insulation of the building is composed in the following manner from the outside: Hollow cennet block, 4 inch studding, space being filled with mill shavings, matched lumber. The ice chamber in addition has two plies of water proof paper with strips and lastly boarded up with matched lumber. This latter is a precaution taken. This latter is a precaution taken to save the outside wall. Should the boards near the ice become unsound, they can be easily stripped off and be replaced, the water-proof paper with matched lumbers. This latter is a precaution taken to save the outside wall. Should the boards near the ice become unsound, they can be easily stripped off and be replaced, the water-proof paper with the save the outside wall. Should the boards near the ice become unsound, they can be easily stripped off and be replaced, the water-proof paper with the save the outside wall. Should the boards near the ice become unsound, they can be easily stripped off and be replaced, the water-proof paper with the save the outside wall. Should the boards near the ice become unsound, they can be easily stripped off and be replaced, the water-proof paper with the save the outside wall. Should the save the outside wall. Should the save the outside wall was the paraffine because the outside was th

tion for whey butter, tion for whey butter, which is a product of this factory. The whey eream is also kept in the ice cham-ber until ready for churning. All told, Mr. Little has in his new build-ing a most valuable, useful and con-venient accessory to his factory plant. The whey

Troubles in Cheese Making

Referring to the troubles in cheese making during the past season a Wisconsin maker says

consin maker says:

"Our first trouble was in the spring, the milk working too fast. We used a little more extract and cooked a little higher. Next morning we tested each can for ripeness with Marschall seat to the presence of the pattern of the "Our first trouble was in the spring,

ATTENTION

Cheese Manufacturers



Fig. 1



Fig. 2

We are placing on the market a new cheese box which eliminates all the undesirable features of the old-style package.

This box is made of three pieces of veneer, with the grain running from top to bottom. It also has the advantage of a hoop placed near the top as shown in fig. 2, thus making it very strong and durable. In fact it is impossible to break it with ordinary handling. Every box is guaranteed, and any breakages will be replaced.

This box can be shipped in crates in knock-down shape, thus affecting a large saving in transportation charges.

For full information regarding prices, deliveries, its advantages, etc., write

Toronto Boxbarrel Co.

43 Youge Street Arcade

TORONTO

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

August 5,

SYNOPSIS.—The consists of Mr. We children. Pearl w the mainstay of it the mainstay of it is the idol of Fen pet theories on Dr. Barner, the oil of the mr. Francis' dom Mrs. McGuire, the Mr. Watson. Mr. I'M. Mothervell is a ddition to their addition to their addition to their beautiful of the main the main of the main the main of the main the m "I will, Tom, v said, smiling.

His arm was an two, three; yes, "Over the foam we "Over the foam we through the other weaving the story ing. "What thou wide"—Nellie's het his face — "Love guide." Nellie's h they floated on 'Drifting along, gi her hair tlew aga they swept past the did he care what did he care what say. He was Egh was in his arms. was in his arms. "by side" the violins by side" the violins
plant, the old stor
a thread of gold to
patterns, that old stor
active deathless, uncl
new, deathless, uncl
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out which the riche
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awoke from his idols
brought Nellie to asbrought Nellie to

awoke from his idole brought Nellie to a s wardly beside her. placency had left I talking to him, but what she said. He at her, but at him knew it she had left dancing with II. dancing with Jim Ru
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looking into Jim's i
loking into Jim's i
laking. What the mi
saying? He tried to
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saying? He tried to
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passed him again, sti
talking. "Nellie Sla
berself mighty cheap,"
gily. Then the thou
to him with sudden bi
to him with sudden bi
to him was, as ancing with Jim Ru handsome Jim was, stall, so well dressed, itterest of all, how

When Jim and Cami ont the second dance he Arthur, the Englishm





THE pleasantest things in the world are pleasant thoughts, and the great art in life is to have as many of them as possible. - Boyle



Sowing Seeds in Danny

By Nellie L. McClung ALL RIGHTS RESERVED.

(Continued from last week)

(C

said, smiling.

said, smining.

His arm was around her now and they were off, one, two, three; one, two, three; yes, he had the step. "Over the foam we glide," in and out through the other dancers with rough the other dancers are used to the dancers of the dance sy, the was Eghert now. Edythe was in his arms. "While are side by side" the violins sang glad, triumplant, the old story the hise a thread of gold through must be patterns, that old song, old yet ever saw, deathless, unchangeable, which maketh the poor man rich and without which the richest become poor! When the music stopped, Tom awake from his idolatrous dream. He brought Nellie to a seat and sat awk-

swoke from his idolatrous dream. He brought Nellie to a soat and sat awkwardly beside her. His old placency had left him. Millie was placency had left him. Millie was taking to him, but he did not he was what she said. He was not looking at her, but at himself. Betore he knew it she had left him, and was dancing with Jim Russell. Tom looked after them, miserable. She was date of them, miserable. She was looking into Jim's face, smiling and talking. What the mischief were they saying? He tried to tell himself that saying? He tried to tell himself that he could buy and sell Jim Russell; Jim had not anything in the world but a quarter of scrub land. They passed him again, still smiling and taking. "Nellie Slater is making herself mighty cheap," he thought army. Then the thought came home to him with suiden hitterages. — how him with sudden bitterness handsome Jim was, so straight and hall, so well dressed, so clever, and bitterest of all, how different from

en Jim and Camilla were sitting on the second dance he told her about Arthur, the Englishman, who sat in

"I will, Ton, with pleasure," and a corner, shy and uncomfortable. and said, smilingtunide with the same around her now and hey were off, one, two, three; one, wo, three; yes, he and the step. Over the foam we glist in and out brought the other dancers, the right same around the step. The same and the step. The step of the step

dance beautifully, jigs and hornpipes and things like that. He had often seen her at it when she-was down in

seen her at it when she was down in the milkhouse alone.

Mrs. Slater whispered dreadful threats; but her son Peter insisted, and when big John's voice rang out "Gorners the same," "Mrs. Slater," "Gorners the same," Mrs. Slater yielded to the tide

Mrs. Stater June public opinion. Puffing and blowing she got through the "First four right and through the "First back and ladleft," "Right and left back and ladleft," "Right and left ame to chain": but when it came to chain": inrough the "First four right and ladleft," "Right and left back and ladleft, "Chight and left back and ladleft, "Chight and left," it was good-bye to
"Right hand to partner" and "Grand
right and left," it was good-bye to
mother! Peter dashed into the set
to put his mother right, but mother
was always pointing the wrong way.
"I say the feller that stole the
sheep hig John sang to the
sheep, hig John sang to the
music, "Whoop'er up there, you
od it how "Whoop'er up there, you
od'i "Sainte the one that of the
beef and waring the dog that gnawed
the bone," "First couple lead to
the right," "First couple lead to
the right," "I rouald McKense was opposite
mother; Tonald McKense was opposite
mother; Tonal all!" Tonald McKenzie was opposite mother; Tonald McKenzie did steps—Highland fling steps they were. Tonald was a crofter from the hills, and had a secret still of his own which made him a sort of uncrowned king among the Crofters. It was a tight race for popularity between mother and Tonald in that set, and when the Yeo stars must face to face in the and Tonaid in that set, and when the two stars met face to face in the "Balance all!" Tonald surpassed all former efforts. He cracked his heels together, he snapped his fingers; he threaded the needle, he wrung the dish-doth—oh you should have seen Tonald. Tonald.

Tonaid.

Then big John clapped his hands together, and the first figure was over.

In the second figure of the tion of the violins played "My Love Is but a Lassie Yet," Mrs. Slater" muor began to revive, and the dust of twenty years fell from her dancing experience. She went down the certer and back again, right and left on experience. She went down the centre and back again, right and left on the side, ladies' chain on the head, right hand to partner and grand right and left, as neat as you please, and

Comfort and Beauty may be hadjby Planting Vines and Flowers Around the Home

The illustration shows a clematis Jackmanni in full bloom, shading the veran-dah on Mr. John Jackson's farm residence, Lincoln Co., Ont. Mr. Jackson writes con-cerning this vine: "There is no flowering vine to touch the Jackmanni for beauty with its rich, velvety purple colored flower." Vines like this cost little; why are more not planted?

"Select your partners for a square dance!" big John, the caller-off and the constraint of the left, and all the gentlemen circled. This was the dance that Mr. and Mrs. Slater would have to dance. It was in vain that Mrs. Slater whispered that she had not danced for years, that she was a Methodist bred and born. That did not matter. Her son Peter declared that his mother could be sometime of the constraint of the second of the second

"Circle to the left—to the centre and back, circle to the right," "Swing the girl with the hole in her sock," "Promode once and a naff around on the side," "Turn 'em around to place had been all?" "Clap! Clap! Clap! Clap! Clap! Clap to the commode one would let her, they would dear me no; no one would let her, they would dear me no; no one third figure, and leave out the third figure, and as a special inducement, they

now, and leave out the third figure, and as a special inducement, they would dance "Dan Tucker." She would stay for "Dan Tucker." Peter came in for "Tucker," an extra meing necessary, and then off they went into:

went into:

Clear the way for old Dan Tucker.

He's too late to come to supper.

Two by two they circled around,

Peter in the centre singing...

Old Dan Tucker Was a fine old man-Then back to the right-He washed his face In the frying pan.

Then around the circle hand in hand-He combed his hair

On a wagon-wheel,
And died with the tooth-ache
In his heel!

As they let go of their partners' hands and went right and left, Peter made his grad dash into the circle, and when the turn of the tune came he was swings his mother, his father had Tonalds' partner, and Tonald was in the cure of the title role of Tucker, executing some of the most was in the centre of the third that the Tucker, executing some of the most intricate steps that had ever been seen outside of the Isle of Syke.

outside or the Isle of Syke.

Then the tune changed into the skiriling bag-pipe lift all Highlanders love—and which we who know not the Gaelic profanely call "Weel may the keel row"—and Tonald got down to his finest work.

He was in the brye now at home He was in the brye now at home beyond the sea, and it is not strange faces he will be seein', but the lade and lassies of the Glen, and it is John Meash who holds the drone under lenses when the search of the hands, and the salts range of the search under his arm and the chanter in the hands, and the salty tang of the sea hands, and the salty tang of the sea comes up to him and the pipes skirl higher and higher as Tonid McKensie dances the dance of his forbears in a strange land. The had seen Tonid dance before, but this was different, for it was not Tonid McKenzie dance who danced of or them. See the sea of the sea but the incarnate spirit of the High-lands, the unconquerable, dauntless, lawless Highlands, with its purple hills and treacherous caverns that ding deniese at the world and fear not man nor devil.

Tonald inshed with a leap as nim-ble as that with which a cat springs on its victim while the company watched epellbound. He slipped away into a over and would dance no more that night.

When twelve o'clock came, the dancing was over, and with the smell of coffee and the rattle of dishes in the kitchen it was not hard to persuade big John Kennedy to sing.

kitchen it was now to sing. Big John kennedy to sing.

Big John lived alome prospect of a good square meal was a pleasant one to the lonely fellow processing John whose methods of cooking were sime it was a pleasant the square mean that the strength of t the extreme, and from them he had picked up strange ways of house-keeping. He ate out of the frying pan; he milked the cow it. the prideport, and he only took what he needed for each meal, reasoning that she had a better way. Seeping it than he had. Big John had departed almost entirely from "when man's ways," and lived a wild life free from the demands of society. His ability to "call-off" at dances was the one tie that bound him to the Canadian people on the plain.

people on the plain.
"Oh, I cant' sing," John said sheepishly, when they urged him.

"Tell us how it happened anyway ohn," Bud Perkins said. "Give us John," Bud Perkins
the story of it."
'Go on John. Sing about the cow"Go exper Slater coaxed.
"Dater Slater coaxed.

"Go on Jonn. Sing acod.
"It is a tellle of a good song that,"
chuckled Tonaid.
"Well," John began, clearing his
throat, "here it's for you. I've ruined me voice drivin' oxen, though, but
here's the song."

It was a song of the plains, weird and wistful, with an uncouth plaint-iveness that fascinated those lonely hill-dwellers.

As I was a-walkin' one beautiful morning, As I was a-walkin' one morning

in May, I saw a poor cowboy rolled up in his blanket,

Rolled up in his blanket as cold as the clay!

The listener would naturally sup-ose that the cowboy was dead in his lanket that lovely May morning; blanket that lovely May morning; but that idea had to be abandoned as the song went on, because the cow-boy was very much alive in the suc-

Round the bar bummin' when bul-lets were hummin' He snuffed out the candle to show

why he come!

Then his way of giving directions for his funeral was somewhat out of the usual procedure, but no one seemed to notice these little discre-

Beat the drum slowly, boys, beat the drum lowly, boys, Beat the dead march as we hurry

along.
To show that ye love me, boys, write

up above me boys,
"Here lies a poor cowboy who knows
he done wrong."

In accordance with a popular custom, John spoke the last two words in a very slow and distinct voice. This was considered a very fine thing to do — it served the purpose of the "Finis" at the end of the book, or the "Let us pray," at the end of the sermon.

The applause was very loud and very genuine.

(To be continued next week.) . . . The Summer Outing

There are outings and outings. A There are outings and outings. A real outing I take to be a getting away, for a little time, from the worry of work, and the daily caree of life—a resting spell, in short; or a breathing spell, perhaps it would be better to call it, since most of our outings are so brief that not a great deal of resting can be put into them. But, long or short, they do a world of good, just because of the change and the let-up from the monotony of every. the let-up from the monotony of every day life, and I wish there could be more of them.

more of them.

If you are going to take an outing for a day or a week, make it as complete as possible. Leave your good clothes at home. You cannot afford to lose the pleasure of "the day off" in worrying over the fear that you are going to all your carments. Wear works to all your carments. going to soil your garments. Wear the clothes that aren't worth worry-ing about. And don't wear yourself out before you get started in cooking up a lot of fancy things. Go with the intention of working up an appetite that will make plain bread and butter taste better than angel's food or elaborate fruit cake. You will find, when you have got yourself into the right condition, that it's the substantial eatables that will be in demand—not the "fancy fixings" so often taken along

NEW PREMIUM LIST.-Write for a copy of our new premium list. There are many premiums listed in it that you will want to secure this summer. Premiums for everyone and for any number of subscriptions. Send for this list to-day. TRUST TO INSPIRATION

When you get to your destination, what shall be done for amusement? I rust to the inspiration of the moent. If you plan for amusement advance you set for yourself a task ment. which will make it impossible for you to "loaf and invite your soul," as Wait Whitman puts it, in speaking of the ideal resting time. Go without any plans, and let things just happen. Make the most of everything that comes your way, but don't take any comes your way, but don't take any thought for the morrow, for if you do that you are sure to interfere with, if you do not spoil, the idle pleasure of to-day, Don't let yourself think about things past or things to come. Aim to be like the people Bacheller tells about in Silas Strong, who some-times "set and think, and sometimes just set." Your mind wants a rest, as well as your body. well as your body.

I know it is rather difficult for men

and women who are accustomed to hard work to "let up on themselves" for a day, even. The force of habit for a day, even. The force of habit is strong, and they find it hard to break away from it for a brief time. break away from it for a brief time, but it can be done if you set about it. Fish, if you feel the stirring of the piscatorial instinct. Climb trees, if you want to. Stand on your head, if you think you can get any pleasure out of it. Or lie on the river bank in the smaller of the river bank in the smaller of the river bank in the smaller of the river bank. in the sunshine, too lazy to talk. Any way, shut the work of yesterday and to-morrow from to-day, as you would close a book. Put the book on the shelf, and refuse to open it until your

outing is over.

Take the whole family along, if possible. Put the children into garment sible. Fut the calidren into garmens that will allow them to do anything they set their minds to. When you get to your destination, turn them loose. Give them to understand that they Give them to understand that they are to amuse themselves after their own fashion, and are expected to have the best time possible. They'll have it—don't worry about that And so will you, if you are as sensible as they are, and live just for and in to-day. That's one of the secrets of a succession ful outing. These are the mottoes for the outing-seeker to keep in mind.

"Take no thought for the morrow."
"Make the most of the present moment.'

You'll come home "all tired out," perhaps. But it will be one of the kinds of tiredness from which there is a reaction that will surprise you. You'll get up the day after home-coming and got to work feeling a good deal younger than you did before you went away. It will be with you as it was with a little boy of my acquaintance who had never eaten chocolate caramels until a kind lady gave him two or three. She asked him what he thought of them. "They was bigger that I kep' within' then," he answered, when you will be a with your outing superious greater in the good out of 'em, cause they left such a good taste in my most offer I'd awallered' em." That's the will be with your outing experience, provided you are That's the way it will be with your outing experience, provided you are wise enough to make it a real outing. Brief as it may be, it will "leave a good taste in your mouth" for many a day to come.

pow'r me a working Machine I wish I could impress people with the fact that men and woods were never meant to be simply machines for doing work. If they could only realize that work is simply a means to an end, rather than the chief aim of life, it would be easier to get them to take more pleasure out of living as they go along. But we have got so into the habit of living on the high-pressure system that it seems impos-ressure system that it seems imposssure system that it seems impos We cannot afford to take time to wind ourselves up. But there comes a time when the springs of the ma-

BE A WORKING MACHINE

chine wear out, and there is a break-down, and we are obliged to "lay up repairs. Let's anticipate breakdown by oil-

ing the machinery from time to time, to keep it running smoothly, and by doing this the possible breakdown

doing this the possible breakdown may be avoided.

Plan for a resting spell once every year, and let it be a resting spell in every sense of the word. If you can't get away from home for more than a day, take that day off, and make the very most of it. You'll get more good out of it than you will out of the doctor's tonic, or any other get more good out of it than you will out of the doctor's tonic, or any other prescription for "that tired feeling." But make the day a week long, if possible, and if a month, all the better.-H

-The Upward Look

Reconstruction Brethren, if a man be overtaken in a fault, ye which are spiritual, re-store such a one in the spirit of meekness; considering thyself, lest thou also be tempted.—Gal. 6: 1.

Much unhappiness is caused by unkind, thoughtless criticism and fault finding. When we see or know of finding. When we see or know of others doing wrong we are apt to tell as many others about it as we may think will be interested. Possibly we ourselves to ourselves and to others by pretending that we feel that the facts should be made known. Be this as it may there are many of us who seem to take a special delight in gathering information about the faults of others and in giving them the greatest possible publicity.

Sometimes we lose patience with others over their faults. It may be that some of the members of our own family or the people with whom we are associated have little failings that try us severely and that lead us to try us severely and that lead us to show our impatience and annoyance in cross words and angry looks. If such is the case we should stop and ask ourselves if our fault may not be

If we could only always remember the words of our text how differently we often would speak and act! Instead we often would speak and act I Instead of making the faults of others a sub-ject for gossip and using them as an excuse to parade our own superior virtues we would remember that in the eyes of God we are all sinners and all subject to sin. We would be very humble because the faults of others would but remind us of our own great defects of character a disposition. When we begin to think how much better we are than others whose faults we discuss or hear dis-cussed, we are sinning because we are listening to the voice of pride. Pride, we know by the words of our Lord, is one of the worst sins that can pos-

There is a command of our Lord that we should remember when we are tempted to discuss or find fault with the failings of others; that is that we must love our neighbors as our selves. If we love others as we love selves. If we love others as we love ourselves we will be quick to say kind rather than unkind things about them and to "restore," as our selves, or help them instead of finding thin with them. When God gave us the commands He expected us to carry them out. He has told us that the day is coming when we will have to give an account of every idle word we utter. (Math 12: 36). If we are sinning in these respects we must confess our sin and ask God to forgive us. God has promised to enable us to overcome our sins. We must ask I him for the strength and we must ask in the the strength and we must ask in the the strength and we must ask in the right way. We must empty ourselves of pride and of selfish thoughts and become meek with the meekness that shows great strength of character.

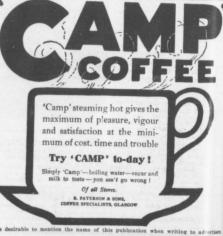
Such was the nature of the meek-ness of our Lord. When we possess this meekness then a new spirit will be within us and we will find it posto love others as we should. I.H.N.

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demand a hour or twing the coo most benefic average wor berry pickir just as well ters. The c and winter articles to home may be The long da without a re dinner dishe one fr overtaxing of folks should our women, ments and ma them as postrenuous and is what tends wox

Few subject inter much discusse Suffrage. The to be said on most part, worthy the n pathy with th

If Yo tel

Reactin It takes day. Im makes wash

DAVID MAX

EATO AUGU T. EATO

Goods R Money and

taxing themselves in order to keep things nice.

During the summer months the farm gardens, flower and vegetable demand a certain portion of the tame of our women. We believe an hour or two spent occasionally during the cool morning or evening, is sufficiently as the second of the

WOMEN'S SUFFRAGE

Few subjects are receiving more general interest to-dxy, than the much discussed question of Woman Suffrage. There is, of course, much to be said on both sides, the most part, I believe few tomest worthy the name, have much yen, pathy with the militant females in

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As a matter of fact few women have any desire to exercise the franchise. It does not take the average woman long to grasp the truth of the if somewhat hackneyed saying that "Woman is not undeveloped man but diverse", and she appreciates the dis-tinction.

tinction.

Suffragette propensities are hardly be wondered at in a country like be wondered at in a country like be wondered at in a country like a constant of the country of the country of the country, and as long as men continue to receive means of the country, and as long as well of the country of the countr

While the teeth should be brushed regularly and offen. great care should be taken in the use of the toothbrush. Vigorous cross brushing is apt to force the thin gum away from the teeth, leaving the cementum exposed to the air, and thus marring the beauting the teeth and leaving them in danged of early decay. It is best to give the brush a rotary motion, brushing the upper teeth downward and the lower teeth upward. While the teeth should be brushed

Recessessessessesses Necessessessessessesses

THE COOK'S CORNER
Send in your favorite recipes, forpublication in this column. Inquiries appearabiling to sooking are solicited, and of the send of Resessassassassassassas

CANNING TOMATOES WHOLE

CANNING TOMATORS WHOLE

Select perfect, medium-sized fruit, that is over ripe. First peel your tomatoes by pouring hot water over them. Pack the fruit closely—without jamming them—in wide-moutted pass jars. Dorft fill the jars to figs jars to figs jars to fill. Wrap each jar in a cloth wrung from hot water, and fill it with hoding water. Seal them up tightly, and place in a kettle or other deep respecte filled with hot water. Cover all closely and let stand until cold. Store away in a cool, dark place.

TO CAN PEAS

Can peas immediately after gathering. Shell them and pack them in the sealers as tightly as possible without breaking them; and pack them in the sealers as tightly as possible without breaking them; and a little salt, then fill the sealers overflowing with cold water, pouring it in until all bubbles have disappeared. Put on rubbers and covers, but do not screw the rubbers tightly frage the sealers in a boiler, bring to a boil, and boil steadily for free hours. Then remove boiler from fire, screw the covers on the sealers as tightly as possible and leave in the hot water until cold.

CABBAGE RELISH.

1 medium head cabbage, 2 onions, 2 sweet peppers, with ends removed; cut in food chopper and moisten with salad dressing.

PUDDING HARD SAUCE.

Cream together 2 tablespoonfuls of butter and a cupful of powdered su-gar until smooth and soft. Then add a few drops of lemon juice.

TOMATOE SALAD.

Peel and slice rather thick three reel and slice rather thick three tomatoes; also slice six stalks of cel-ery and chop fine half a small onion and an eighth of a green pepper. Spread these over the sliced tomatoes and add French dressing.

CORN AND EGGS.

Grate enough corn to make a pt. to this add a pt. of milk, 2 slightly beaten eggs, X teaspoonful of salt, and one saltspoonful of pepper. But car a dripping pan and pour this mixture into it to the depth of one-fourth of an inch; bake in a quick oven until a light brown and cut into square shapes for serving.

The Sewing Room

Patterns 10 each. Order by numbers and size. If for children, give sage to for, adults, give bust measure for skirts. Address It was the Pattern Department.

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shorter length.

The cape can be made in one or two pieces, as it is or is not seamed at the centre back. The hood, when used, is lined and drawn up by means of elastic in a casing and is joined to the neck edge. The collar is edge. The collar is in rolled over style. Joined to the neck edge. The collar is in rolled over style, and fits snugly about the neck.

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This chemies serves the purpose of corthe purpose of c

or square outline.

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COW TRANSFERS FOR MAY, 1909.

(Continued from last week.)

The publication of these transfers is paid for by the Holstein-Friesian Breed-rs' Association:

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(To be continued next week.)

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August

N KI WATERVILLE on is now inued dry short and cattle the fall. Peas ped to town a Halifax supply it does not pay beginning to be picking is scant ed. Turnips are beginning to soms. Tomatoe well. The strawing, but the rathem. There see ply of wild berr and raspberries. troublesome on other pests do The wheat crop however, it pays grow apples and feeds are very I ing is steadily or

L'ISLET.—The real crops—hot Haying will begi good in general. Haying will begi good in general. and plenty of mi mer. Dairy prod of money is com ets, and is very w crop and plenty of lected. Fruits are cherries, apples, fruits. Potato bu ately Paris green

L'ISL

0 GRENVI

PRESCOTT.—The not a very promiss of rain most of t are practically but weather the crop t erage one but there last year. Corn is growth compared we growth compared we take crop looks to the compared we have concluded to the compared we have concluded to the compared we have concluded to the concluder the compared we have concluded to the concluder th tato crop looks ; e is not coming up to is an average fall cent, from last ve-selling their stock prices. While driv y a person will n of the farmers have hay and plowed is buckwheat. The fa to realize that the have two crops as menting with sugar ers are using it as a been sown in this den calves; others

next fall and winter selling from \$18 to \$16-G. W. C. HASTING

TURRIFF.—Haying ery weather for two lay. Hay is rather much damage has hoppers. They are farms, too. All gra well, especially peas well, too. The ten well, too. The ten quite prevalent amor it would be hard i it would be hard i works before 6 a.m. o in a time of unusual couraged farmers int the great Northwest, soon be filled for the soon be filled for the satisfied with North

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L'ISLET-The weather is ideal for cereal crops—het the occasional showers.

Haying will be the occasional showers to good in general. Pasture 188 will be
good milk is produced this sum,
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of money is coming into farzers' pockor money is coming into farzers' pockor money is coming into farzers' pockor money in the pasture of the pasture of the pockpost of the pasture o

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GRENVILLE CO, ONT.
PRESCOTE—The condition of pastures is not a very promising one. Owing to lack of rain most of the high discount a very promising one. Owing to lack of rain most of the high discount and the property of t PRESCOTT.-The condition of pasture menting with sugar cane for pasture; others are using it as a crop. Some rape hos been sown in this district for feeding pigs and calves; others use it to feed steers next fall and winter. Old timothy hay is selling from \$18 to \$20 a ton; new hay, \$16-G, W. O.

HASTINGS CO., ONT.

TURRIFF—Haying is very late: show-ery weather for two weeks has caused de-lay. Hay is rather light; in sommend damage has been done by grass-hoppers. They are eating oats on some farms, too. All grain crops are looking farms, too. All grain crops are looking well, especially. The service are doing well too. The sea Potates are doing well too. The sea Potates are doing well too. The sea Potates a man who quite prevalent a man who was before 6 am or after a man who wreke before 6 am or after a man who was to a man of the sea Potates will sea to the sea Potates will sea the sea Potates will sea to the sea to the sea to the sea he silled for there are plenty who are some he silled for there are plenty who are soon be filled for there are plenty who are satisfied with North Hastings.—W. W.

son to silve for there are possity we assisted with North Hastings.—W. W.

SIDNEY CROSSING.—Since the recent rain, all kinds of grain are looking well, the very early grain suffered most, headthe very early grain suffered most, headbetter than the state of the

NORTHUMBERLAND CO., ONT.

NORTHUMERILAND CO., ONT.
WICKLOW—The prospects for good crayhave very much improved since the recent
west weather. Hay is a fair crop; some
until which we have been considered their haring. Roots of all
kinds uncommonly wel. Apples,
although new uncommonly wel. Apples,
although new location of the considered their
very well. The cheese well will be a large business. The Wicklow factoris is
still making over 30 cheese on Mondays.—

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HONDALE. — The rain of four days last wave knaw selectioned by the farmers. Onto a reason the control of the control of

late—J. P. H.

KINMOUNT.—The heavy rain which fell
during July 12nd, 33rd and 24th has helped the apring grain, roots, potatoes, also
the pasture, sich was about done on the
light sell. Need, was about done on the
light sell. Need was the selfwater supply so services in years was the
water supply so services the selfwater supply so services the selfmany in the milet cover failed a but half. The
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poor quality of the hay-ms. T.

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VICTORIA CO., ONT.

HARTLEF.—The harvest will soon be on, as the barley and the fall the tils taking ing on its golden color which was the warmen of the color when the color was need to see that the binder is in good trim and ready for work. The cherries are a good crop and are seen to the color the color of the col

OAKWOOD.—Pasture was becoming alarmingly scarce but is improving now. Thistiles by scarce but is improving now. Thistiles by scarce prepared in all crops, both the Cambridge and the perennial sow thistle. Hing. A number of the control of the cont OAKWOOD. - Pasture

BRANT CO., ONT.

PALKLAND.—Harvesting is in full swing.
As a rub, wheat is quite heavy. Barley
as a rub, wheat is quite heavy. Barley
is she show the rub was the rub was the rub,
is she she rub was the r tter netted the patrons 181/2c. Eggs,

WATERLOO CO., ONT.

AYR.—We are having fine growing weather. The aftermath on meadows is springing up, giving promise of bountific ture or a second cutting. Wheat hares has begun but has been delayed materially on account of rain falling the last three days. It promises a good yield and a days. It promises a good yield and a ly on account of rain falling the last three days. It promises a good that and a good sample. Spring crops green and fresh. Barley will be short in the straw but seems to be filling out well. though not crops are looking well, though not be short in the straw but seems to be filling out well. though not crops are looking well, though not crop crops are looking well, have been seen to be supported by the straw of the s

WELLINGTON CO., ONT.

WELLINGTON CO., ONT.

MOUNT FOREST—Haying operations are in full swing. We are apparently late but it is fortunate to be late sometimes, as the hay crop is making very good as the hay crop is making very good since the beavy rains of July ist. Outs of may are generally light, however, with the work of the desire of the control of the straw is the compared of the straw in however, the grain may be his desired; however, the grain may be his straw and grain as we had last year. Orn is promising error or and affalfa is grown year by year. The past two years proven clearly the advantage of growpower clearly the advantage of growing these crops, as they withstand the sum-

LIVE HOGS

We are buyers each week of Live Hogs at market prices. I For delivery at our Packing House in Peterborough, we will pay equal to Toronto market prices. If you cannot deliver to our Packing House, kindly write us and we will instruct our buyer at your nearest railroad station, to call on you.

THIS WEEK'S PRICES FOR HOGS DELIVERED AT FACTORY

\$8.00 a Cwt.

THE GEO. MATTHEWS CO., LIMITED BRANTFORD

PETERBOROUGH, -HULL, -

mer droughts and turn off the greatest amount of fodder to the acre. The straw-berry crop was late. The last picking will be advantage to our growers, as berries from on side points are finished. They are selling wholesale at its a qt.—C. N.

OXFORD CO., ONT.

NORWICH.— Pastures have dried up greatly. Haying will be done about the 2th July. On the whole the crop has been an average one and was secured in first class condition. The first cutting of the condition of the condition of the condition of the condition. first class condition. The first cutting of lucerne was made from June 28th to July lucerne was made from une 28th to July 3rd. It was a magnificent crop, running from two to three tomes are made of the control of the control

MIDDLESEX CO., ONT.

MIDDLESEX CO., ONT.

CALDER—In speaking about timer and its effect on water, an old resident of leafware and one service the following: "I am the last of the water for the following: "I am the last of the water for the service of the water for the service of the water for the service of the water for the wate present farms are, with all their splendid improvements. And, also, their subsequences of the state of their splendid improvements. And, also, the area of four mills situated on the creek their subsequences of their subsequences are subsequences. At present they could not run a damer. At present they could not run a damer of the water ceased to run, and the mills with the subsequences of their owners. To the young useless to their owners. To the young useless to their owners. To the young the subsequences of the subseque

ELGIN CO., ONT.

FROME. - Most of the hay is in and in FROME.— Most of the hay is in and in Al shape, as we had not had rain for a month. The weather has seen ideal for haying but the hoe crops apring crops have been suffering very must pring trops drought. Oats will be very sho as they are coming out in head. Wheat is fair crop, and some pieces are extracted. crop, and some pieces are extra heavy.

The St. Thomas millers promise us a dollar a bushel, which is very good.—S.J.H.

BRUCE CO., ONT.

BRUCE CO. ONT.
HEPWORTH-G-frashopper are thicker
this year than they need to be to be the contain some places they have eater maintained aguite bare. Since the recent rains the
age not eating the grain so much, and a
ser not eating the grain so much, and a
ser not eating the grain so much, and a
ten of them are dying off. Potate bugs are of them are dying off. Potate bugs are of them are dying off. Potate bugs are of the service of the
here are lost of thick as usual, still
there are lost of thick as usual, still
have all the appearance of a large roopJ. K. L. ESSEX CO., ONT.

ARNER—We are in the grip of a severe drought and unless rain comes soon, many farmers will unless rain comes soon, many farmers will be about of feed as they depend largely some feed of the for coarse winter feed. Some field of the feed of the fe been done, and the grain some as viscos bushel. Out harvest is on now but the drought has affected it some, making the heads short. Young clover is looking fair; neads snot. Foung clover is looking fair; it was a splendid catch last spring. Second crop clover is very poor, and it looks now like there will be very little seed to cut this fall.—A. L. A.

BRITISH COLUMBIA KOOTENAY CO., B. C.

WILMER.-Live stock generally is in good WILMER.—Live stock generally is in good condition. Oats and hay are half an average erop. Apples will only be a half crop. Cherries are very light, while other small fruits are about three-quarters up to normal. Strawberries were about half a

PURE BRED PIGS FREE

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Have you won any pure bred pigs the past year, for the securing of new subscriptions to FARM AND DAIRY? If not you can easily do so this spring. Read our offer below.

We will give a pure bred pig, of any of the standard breeds, from six to eight weeks old, with pedigree for registration, for only seven new subscriptions to FARM AND DAIRY at \$1 a year each.

Secure pure bred stock and weed out your old scrubs. Send for sample copies at once.

Circulation Department, FARM AND DAIRY, Peterboro, Ontario

MARKET REVIEW AND FORECAST

Toronto, Monday, August 2nd, 1929. — there. Dealers here quote American at 28c to 50% and Canadian at 75c to 75c in car from a traid are, however, excellent, though wholesale men in some lines report though wholesale men in some lines report that country customers are conservative. There is no change in the hay market. Some new hay is offering. The English always of the country though wholesale men in some lines report that country customers are conservative about fall buying. This is not a bad sign, however, and is a healthier condition than however, and is a healthier condition than a boom trade. Call loans are in good de-mand at 4 per cert, and a little over. Money for commercial purposes rules at 6 to 7 per cent, under active demand. On the whole, the business situation is in a healthy condition and the prespects for better times as good as could be desired. WHEAT

The wheat market is just now in the throes of speculation. A week ago the bull movement at Chicago kept things up a bit, but the price had to come down. July wheat closed there on Tuesday as \$1.67% as against \$1.29 when the bull movement was on ton. July wheat closed by Winni. as against \$1.29 when the build movement was on top. July wheat closed at Winnipeg at \$1.22 the same day, a drop of a couple of cents from the day previous, and the same day and the same day in the same day Ing the contributing meter. When the softering more freely, have dropped since our leaf writing, the market has a steady tone leaves the softering more affected by speculative fluctuations, and affected by speculative fluctuations, and soft and the softering softering the softering

COARSE GRAINS

The oat market is casier and western cats are quoted for a bushel lower than a week ang to 3c a bushel lower than a week ang to 3c a bushel lower than a week ang to 3c a bushel lower than a week ang to 3c and a ser expected in and now that the rains have greatly improved oat prospects in Ontario and Quebec, holders are marketing a little maproved oat a ser quoted at Montreal at 5c to 55 and are quoted at Montreal at 5c to 55 and are quoted. There are the service of t

HAY AND STRAW
There is no change in the hay market.
Some new boy is offering. The English
crop is likely and the strain of the comparison tario and Quebec are conflicting. In some sections it is reported to be a good average, crop, in others poor. New bailed hay sold at Montreal last week at \$12 a ton. Quotations here for baled hay (old) are \$12.59 to \$13.50 for interior and \$7.50 to \$8 a ton for baled straw in car lots on track Toronto. Some new clover hay sold on Toronto farmers' market dupring the vagale, at \$1.50 to \$1 clover hay sold on Toronto farmers' mar-ket during the week at \$15 to \$14 and new timothy at \$15 to \$16 a ton. Quotations for old hay are: Loose timothy, \$18 to \$20; straw in bundles, \$13 to \$14 and loose straw, \$7 to \$8 a ton.

POTATOES AND BEANS

POTATOES AND BEANS
New American potatoes are still the factor in the particular and sell at \$3.40
tor in the particular and sell at \$3.40
tor in the particular and sell at \$3.40
to \$5.50
to

EGGS AND POULTRY

The egg market rules firm under light receipts. Prince Edward Island eggs are offering at Montreal at about 20c, but the quality is not the best. Quotations there quality is not the best. Quotations there range from Lie for straight adhered to 25c for selected. Dealers are quote eggs at 12c to 25c to the trade. On Toronto farmers' market eggs selled 25c to 25c to 25c young fowl at 15c to 15c; spring ducks at 15c to 15c to 25c young fowl at 15c to 15c; spring ducks at 15c to 15c; old fowl at 15c to 15

FRUIT

The demand for fruit keeps up though receipts rule large, Quotations on Toronto fruit market are as follows: Raspherius, 9s to 12s a box; cherries, 65c to 81.5p; posseptimes, 75c to 81.5p; goodseptimes, 75c to 81.5p; goodsepti

The chosen of 20% to 20% courside. There has been of new barley.

The chosen trade last week was also price of new barley.

The chosen trade last week was also place it at about 55c a bushel, though there is none offering yet. On Toronto farmers' market oats sell at 6t to 55c. old barley at 55c to 56c and peas at 59c old barley at 55c to 56c and peas at 59c of 50c a bushel.

The demand for mill feeds is not large and while the market is reported easier, and prices are a little lower. Dealers here and prices are a little lower. Dealers here and prices are a little lower. Dealers here and shorts at \$23 to \$23, and Ontario bran at \$25 to \$25, and of the short of the short of the surplus creamers in Canada will lots of American are or let at Montreal be needed. Cable orders are not yet up to medded. Cable orders are not yet up to

sell for. Creamery butter sold at Hunting-don, Quebec, on Friday at 22c. The mar-ket here has an easier tendency. Whole-sain quotations are as follows: Choice creamery prints, 28c to 28c; choice dairy prints, 18c to 28c; ordinary, 1955c to 17c, prints, 18c to 28c; ordinary, 1955c to 17c, prints, 18c to 28c; ordinary, 1955c to 17c, and 18c to 28c; ordinary at 19c to 28c at 18c to 28c and ordinary at 19c to 28c at 18c to 28c and ordinary at 19c to 28c at

WOOL.

Quotations for wool at country points rule at 23c to 24c for washed, 13c to 14% for unwashed and 17c a lb for rejects.

HORSE MARKET

Trade in horses has been quiet. The offerings are light, and buying inactive excepting for drivers. Buying on western account is reported from many parts of the country. est Toronto, less than 100 were on offer, with no change in quotations from a wee

The sale of imported Clydesdale fillie The sale of imported Uydesdate filter held on Wednesday was only a partial success. About half of the offerings sold at an average of nearly \$500 each. Prices were fair for these sold. A number were unsold at the ciose of the sale.

LIVE STOCK

Live stock receipts ruled lighter last week. Trade opened up on the easy side for exporters, but there was a firmer mar-ket at the close. There is a growing teu-dency to hold grass fed steers till later in the season. The quality of the cattle of-fering these days is not of the highest grade, and the percentage of first class beef, especially, among the butchers' cat-tle, is not large. The scarcity of good stuff caused an advance of 10c a cwt on Wednesday

stur caused an auvance or are awn with wednesday. Wednesday, or market has ruled fairly steady all week at a little lower range of steady all week at a little lower range of variues. On Tuesday at the Turion of Yards, West Toronto, 156 cars were on offer, of which a few were butchers' cattle, and 965 head of sheep. Although trading of the warm of the far warm of the previous week; 86.10 when figures of the previous week; 86.10 well of the trading state of the previous week; 86.10 well of the trading state of the previous week; 86.10 well of the trading state of the previous week; 86.10 well of the previous week; 86.10 w

The butchers' trade was active during the The butchers' trade was active during the week. At the city market on Tuesday there was a better tone than for some time past and trading was brisk. Choice butchers sold at \$5 to \$5.25; medium at \$4 to \$4.00 and common cattle at \$5 to \$4.00 and common cattle at \$5 to \$4.00 and bulls at \$2.00 to \$5.00 per cent. On Thursday the market was better, butchers' considerable the sold of \$4.00 and \$4.00 and bulls at \$2.50 to \$4.00 and \$2.50 to \$4.00 an

82.25 to \$4 a cwt.
Receipts of stockers and feeders rule
light. Feeders 800 to 650 lbs such are in
most demand. Some of this quality were
bought on Thursday for butchers' pur
poses. Quotations are as follows: Feed
poses. Quotations are as follows: Feed
crs 80 to 80.25; fred
crs 80 to 8

8.509 a cwt.

The market for milkers and springers is a little stronger for good to choice cows but no better for the cows but no better for the come sum. On Thursday prices ranged from 33 b to 509 each, Two choice cows sold during the week at 800 each.

On Thursday the market for veal calves was a little stronger for the best quality. Prices ranged from 35 to 8 c ewt. Veals are quoted at Buffalo at 86 to 87.75 a cwt.

The feature of the sheep and lamb trade The feature of the sheep and lamb trade was the big drop in the price of lambs the middle of the week, when they fell off \$1 a curt. On Thursday at the city market heaviest of those and lambs were the heaviest of those and lambs were the heaviest of the properties of the pro-duction of the properties of the pro-duction of the pro-duction of the pro-teed of the proteed of the proteed of the pro-teed of the proteed of the pro-teed of the proteed of th

58.25 a cwt.
Hog prices have held steady all week
under light receipts, although prices were
reported a little easier on Thursday, at
88.25 fed and watered for the market here
and 88 a cwt f.o.b. at country points, It is
reported at some country points cest that
farmers are getting more for the farmers are getting more for their hogs than on Toronto market. As high as \$8.25 was reported paid at Pontypool, near



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DOMINION AMMUNITION

during the week. The Trade Bulletin's London cable quotes bacon as follows: "The market is quiet with no particular change in prices, Canadian being quoted at 68s to 72s."

PETERBORO HOG MARKET

Peterboro, Monday, August 2, 1999.—The Peterboro, Monday, August 2, 1999.—The deliveries of hogs on the local market are vory light. The demand for bacon in the company of the company of the company of dropped is to 2e. Daniel by prices having dropped is to 2e. Daniel 2, 2000. The dro-markets last week totalled 32,000. The dro-markets last week totalled 32,000. The dro-ft of this week's shipments: f.ob., country points, 97.90 a cwt; weighed off cars, 88.40; delivery of the company of the company of the company backets.

MONTREAL HOG MARKET

Montreal, Saturday, July 31st, 1909.—The ues steady with prices firmly maintained ues steady with prices firmly maintained. Supplies this week have been small, and the offerings have been quickly picked up at prices ranging from 88.75 to 89 a cut for selected lots weighted off cars.

Dressed hogs are firm with a good steady demand. Prices range from \$12.50 to \$12.75 a cut for relativistic field.

EXPORT BUTTER AND CHEESE Montreal, Saturday, July 31st, 1909. — The market for cheese this week has been ateady, and prices are practically unchanged from last week. Finest Ontario white cheese have been selling at 11% to 11% Great Britain. This week's country markets have ruled from 11/4c to 11/4c, the





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barely 1-16c week at the ome extent here. The o tinued stead indication of lative accou er in the cotions of the going on, the last year be creased productions.

Augus

higher pric

We Tell your Pig Of him. If him. If to Farm subscript six other You can for your bor he h He can e be watch who in t

to earn a ples sent Write ou

ment, for

sufficient to a Advices from however, indicated English cheese tave some effe The recipts amounted to 103 90,311 boxes fo iast year. This season up to da a very slight for the season up to day are about the the quantity let greater than it tom of storing Montreal is rap the past. The most as fast a The butter ma are fairly well good demand fre various points t

butter is scarce a to 20c a 1b for se being quoted dow Hundreds of ton Hundreds of tom colls in our recen surely result in n being used and by favor improved as is sold by the of Preston, who is room at 28 York Caldwell, Carleton

large percentage character, and a firm, with a slig markets in the seling this week tically unchange

finest creamery at 22½c to 22¾c bec creamery sell

HORSES

Horse entries ar the office of Can tion, Toronto, that partment promises than ever before, thing points to an last year's show in numbers and equalled anywhere neys are growing the show of them onto is a centre for onto is a centre for of the very high tions in this line content interest. In harm ways a great exhibes have been ental keeping with the the children's pets

SMALL CA

SMALL Cas Why do not more stock buy a small can take photograp animals? If breede could secure photogr An editorial repress Dairy, who recently

FREE



Don't buy pigs this spring, when you can get them free

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Sample Copies sent Free on application

higher price having been paid for col-ured choses. This represents a drop of barely 146e a by the prices paid last week at the same pointed indicates to some extent the firm feeling in the prices here. The outlook at present is for a con-tinued steady market and there is every subtation of considerable buying on speci-rulation of considerable buying on spec-ies in the country, indicates the prices of any low-er in the country, indicates the prices of any coint of the country indicates of the country indicates of country indicates. The in-creased production, however, will not be higher price having been paid for colored cheese. This represents a drop of

Worth Mentioning

Tell your neighbor about our "Pig Offer." It may interest him. If he is not a subscriber, to Farm and Dairy, secure his subscription to-day, and with six others, send to us with \$7. You can earn a pure bred pig for yourself. Tell your neighbor he has the same privilege. He can earn a pig also. Then He can earn a pig also. Then watch the pigs grow. They will be watched by other neighbors, who in turn may get the fever to earn a pure bred pig. Samples sent free, if asked for. Write our Circulation Department for full particulars. ment, for full particulars.

sufficient to affect the course of prices.

Advices from the other side this week, however, indicate a very heavy make of however, indicate a very heavy make of the season of the same prices and the same prices.

The recipis into prices are sufficiently with the sound to 102,415 boxes are manuated to 102,415 boxes are manuated to 102,415 boxes are manuated to 102,415 boxes, showing test year. This brings the total for the same up to date to 778,973 boxes, showing test year. The same prices are sufficiently in the same as the same are about the same as the same are about the same as the same are about the same as the same are the quantity left here in store is not that equantity left here in store is of the test of the same as the same are same as the same as the same are same as the same are same as the same as the same as the same are same as the same as the same are same as the year.

actories.

The butter market is steady, and prices re fairly well maintained. There is a definity well maintained and from local dealers and from action register throughout the country of the country o and demand the local dealers and from various points with the country, a large percentage of which the country, a large percentage of which as a consequence, the control of the country, a large percentage of which as a consequence, the markets in the Eastern Townships are saing this week at 21½e up to 22½e, praesting this week at 21½e up to 22½e, praesting the country on changed from last week; and the country of the country white is scarce and is selling at from the Co. See all for selected stock, und transfer being quoted down to 15e.

GOSSIP

Hundreds of tons of hay that were out i Bundreds of tons of hay that were out in colis in our recent downpour of rain will surely result in more up to date methods being used and bring more generally into favor improved having machinary such as is sold by the Dain manufacture Co., of Preston, who have opened up a sales room at 28 York street, Ottawa.—P. E. Caldwell, Carleton Co., Ont.

Mr. A. D. Foster, of Bloomfield, Ont., Prince Edward Co., found that he was equipped with a small Browst emera, with which he had been able to take some good photographs of his stock. These cameras cost only a few dollars and last for years.

If any readers of Farm and Dairy If any readers of Farm and Dairy are interested in this matter they might write to The Canadian Kodak Co., Toronto, which is now advertising. Farm and Dairy, for a catalogue and prices which will be sent them free of cost. Mention Parm and Dairy when writing.

Parm and Dairy when writing.

Absorbine cures Thoroughpin.— G. W. Dolly, Sr., Luroy, Ill., writes under date of Feb. 15, 1999, as follows: "I will now the property of the pro procure ABSURBINE at druggists for 32 a bottle, or sent postpaid upon receipt of price. W. P. Young, P. D. F., 123 Temple street, Springfield, Mass. Lymans, Ltd., 380 St. Paul st., Montreal, Canadian agents. Orannonna 222220

AYRSHIRE NEWS

Farm and Dairy is the official or-gan of The Canadian Ayrshire Breeders' Association, all of whose members are readers of the paper, and the second of the paper, which is a second to the paper, yield to send items of interest to Ayrshire breeders for publication in this column

RAVENSDALE STOCK FARM

RAVENSDALE STOCK FARM.

With the hills as a background and nestling that foot of Missisquoi Bay, is the litts willage of Phillipsburg, Que, not-ed for its willage of Phillipsburg, Que, not-ed for its produced numerous varieties of clouded a produced numerous varieties of clouded a produced numerous varieties of clouded a produced numerous varieties. But there is soon continent of America. But there is soon of the produced numerous varieties, Montgomery, are well work of the producing in the producing families, and Yorkshire awine.

best producing families, and Yorkshire swine.

The Clydesdale of Ravensdale comprise the stallion, "Faron Barlae" (1937) —866—1 years old, imported last fall by Dr. D. Becaderan, Ornstown, Que. This stallion was present the stallion, the stallion, "Raven's Pride," Scotland's greatest living was bread by A. & W. Montgomer, M. was bred by A. & W. Montgomer, M. was bred blocky horse, has splendid feet and set blocky horse, has splendid feet and

as is sold by the bain manufacturing Co. of Preston, who have one manufacturing to of Preston, who have one manufacturing to of Preston, who have one manufacturing the property of the content of the co

heifers and are of choice breeding. Wood-rofe Dairymaid 21439 by Beaujess 15774, Woodroffe Gurta 2256, and Idalia 2nd, 25597, each of Beaute Boyal Edward (much by Garclaugh Boyal Edward (much Beier of Ravens-dale 22771, and Elsie Garchaugh Royal dale 22771, are both by Bright and Glencra 15293. In Yorkshire swine Mr. Kay has made good selections as the south Belvoir Miss Hollingsworth 19th 19448, by Dalmony Saxon (imp.) 1572, and Ravens-princess are animals of special merit. Mr. Ray is ready to supply customers with choice stock at fair prices.

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TRODUCER.

The received the following testimonials of the valued of Aryshire milk.

Dr. Edward in Aryshire milk.

Dr. Edward in Aryshire milk, a writes, "I constantly her Philadelphia to observe the value of Aryshire milk, the constant is a state of the purpose.

Mr. Herk wo have for that purpose.

Mr. Herk wo have for that purpose.

Mr. Herk wo have for that purpose and the purpose of the pur

A similar experience with our two older children has thoroughly convinced us that there is no foster mother equal to the Ayrshire cow."—C. M. Winslow. Brandon, Vermont

MISCELLANEOUS

ABRAM EASTON, Appleby, Ont., Leicester sheep. Show ring and breeding stock for sale. 08-25-09

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AYRSHIRES

AYRSHIRES, males only, two fall and one spring calf. Enquire what their dams are doing. James Begg, St. Thomas. E-tf

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Imported and home brydatock of a
ages for sale. See our stock at the lead
ing shows this fall. Write for prices. SPRINGHILL AYRSHIRES

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High-Class
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Barcheskie King's Own (imp.) 20726. Dam,
Pansy 5th, of Carston (imp.) 22431. P. D. MCARTHUR, North Georgetown, Railway Station, Howick, Que. Ou.

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