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The CANADIAN DAIS

FARMING WORLD

PETERBORO, ONT.

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A COMFORTABLE FARM HOME IN PETERBORO CO., ONT.

The neat home-like residence shown in the illustration is owned by Mr. Christopher Howson, Keene, Ont. Mr. Howson operates a clean farm of 200 acres. His barn is 100 x 30 ft., and is fitted up with modern labor-saving contrivances, litter carrier, etc. Pure-bred Shorthorns are Mr. Howson's favorites. He is gradually working into them and getting rid of his grade cattle.

DEVOTED TO

BETTER FARMING AND
GANADIAN GOUNTRY LIFE

THE SHORT vs.

Most of us when we were boys have spun tops and will remember that the short peg top was the easiest one to spin. It "stood up" at the lowest speed. The longer the peg, or the higher the top, the more difficult it was to spin. It required a higher speed to maintain it upright, and was the first one to "die down."

This simple mechanical fact seems to have been



entirely overlooked in the design of the first Cream Separators. They were designed with a long spindle resting on a step or pivot bearing, and as this type of machine was successful in other respects, it was followed by subsequent designers. The Self-Balancing SIMPLEX Bowl is a radical departure from this original and old-established type. It is a "short peg top," because it spins on a bearing right next to the bowl itself, not on one at the end of a long spindle. The principal function of the spindle in the Self-Balancing

SIMPLEX Bowl is to provide means for driving the bowl. It does not support the weight, or take the strain of the running bowl. Anyone can realize at a glance the simple principle involved, and, as is the case on all important inventions, the wonder is that it had not been thought of before.

The SIMPLEX Link-Blade Separator

contains more modern improvements than any other Separator made. When you buy, get an up-to-date machine: they don't cost any more than the machines made on old-fashioned plans

D. Derbyshire & Company

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MONTREAL and QUEBEC

COLD STORAGE AND A MARKET



Butter and Cheese Makers desirous of selling their products in Montreal will always find buyers and excellent Cold Storage facilities at the GOULD COLD STORAGE COMPANY'S STORES

there. Leading Factory men through-out the Country have for years made use of these Stores as a market, obtain-ing the highest prices for their Goods with immediate payment. Write us and learn how this is done.

COULD COLD STORAGE COMPANY Grey Nun and William Streets MONTREAL - QUE.

Ontario's New Minister of Agriculture

The Hon. Nelson Monteith has resigned as Minister of Agriculture for Ontario. His successor is Mr. James S. Duff, member for South Simcoe. Mr. Monteith handed his resignation to Premier Whitney, shortly after the elections last Jrne, when he met defeat at the hards of his constituents in South Perth. Considerable pressure was brought to bear upon Mr. Monteith to induce him to change his decision, but he preferred to retire into private life when the opportunity presented itself.

The new minister, the Hon. James

presented itself.

The new minister, the Hon. James
S. Duff, has been a man of affairs
in his own district for many years.
He comes of good Irish stock, though He comes of good Irish stock, though both his father and mother were born in Canada. His grandfather came to Canada from Ireland and settled on land about two miles west of Cooks-town, Ont., in 1825. On the west half of the 200-acre farm then taken up the new Minister of Agriculture was born and has lived on it ever since. He manages this farm to-day, and is rather proud of the fact that the ori-ginal land taken up by his grand-father has remained in possession of the family so many years. His uncle. father has remained it possession of the family so many pears. His unel-, the younger brother of his father, still lives in the old homestead, on the east half of the original farm, built many years ago. The new minister's farm is located in the 2nd concession of the Township of Essa. Mixed farming is carried on, grain growing, cattle feeding, and other live stock re-cattle feeding, and other live stock re-cattle feeding, and other live stock re-of agriculture is shown by the success Mr. Duff has made of his chosen calling.

Early in life Mr. Duff identified himself with the South Simcoe Agri-cultural Society, becoming in turn 2nd, 1st vice, and president. The last office he held for many years. He en-tered the Township council in 1888 tered the Township council in 1888 and remained in the work for several years. His entry into the political arena began in 1894, when he ran against a patron in his own riding only to meet defeat. He was more successful if 1898 when he carried South Simcoe by a large majority, and has held it ever since.

held it ever since.

Born in 1866. Mr. Duff's education
and training has been that of most
farmers's boys. He attended the public school and the Collingwood Collegiate Ipstitute, returning to the
farm to enter upon his life's work. He
is a Freebytenia in religion and his
are respectively in the control of the colling of the
dard, of West Gwillinbury Township,
Mr. Duff was sworn in and began

Mr. Duff was sworn in and began his duties as Minister of Agriculture last week. His policy regarding the future conduct of the Department has not yet been announced. Speaking to a representative of The Canadian Deiryman, and Parning World, who future conduct of the Department has not yet been announced. Speaking to a representative of The Canadian Dairyman and Farming World, who interviewed him in Toronto, he extra the conductive of the Canadian Dairyman and Farming World, who have been something to the conductive of the Canadian Council he hoped to have in guiding the future destinies of sgriculture in his native province. He paid the former minister a well merited compliment by saying: "I hope whem my term of office expires I shall have as good a record in the country for faithful and progressive work as the Hon. Mr. Monteith has."

Millet and Pumpkins as Supplementary Feed

Editor, The Dairyman and Farming World:—The article prepared by Mr. George Rice on 'millet for pasture,' appearing in your issue of August b, should be put before the farmers in some way so that they will all have a chance to grasp its full meaning. To me it is one of the best articles I have ever read on cheap and profitable pasture. If we could keep the milk sup-

ply up to within 1,000 lbs. a day of what it is in June it would mean in our factory over \$1,500 to our patrons for July, August and September. After September we can then make use of pumpkins which are ready to

use of pumpkins which are ready to feed about that time. Pumpkine cost no extra money and but little labor as a feed for October. They can be sown and harvested with the potatoes and they are an exceptionally good milk producer. Pumpkins are very profitable and it requires very little care or labor to plant a small plot of ground to pumpkins.—H. J. C., Peter-boro Co., Ont.

To Improve Farm Life

President Roosevelt has appointed a commission to enquire into the social, sanitary and conomic conditions of American farms, and to suggest improvements. He believes that the improvement in country life has not kept pace with the life of the has not kept pace with the life of the has not kept pace with the life of the new force of the life of life President Roosevelt has appointed the question is of national world-wide importance. estion is of national, indeed of

President Roosevelt finds a wide-spread belief that the prizes of life lie in the city. He therefore wants to bring out suggestions for better busibring out suggestions for better busi-ness methods in agriculture, as well as for better living. "How" he asks "can the life of the farm family be made less solitary, fuller of oppor-tunity, free from drudgery, more com-fortable, happier, and more strac-tors of the companion of the com-toning the com-to where it is not already on that level, be so improved. dignified, and brightoe so improved dignined, and origin-ened as to awake and keep alive the pride and loyalty of the farmer's boys and girls, of the farmer's wife and of the farmer himself? How can a comthe farmer misself? How can a com-pelling desire to live on the farm be aroused in the children that are born on the farm? All these questions are of vital importance not only to the or vital importance not only to the farmer, but to the whole nation. We hope ultimately to double the average yield of wheat and corn per ager; twill be a great achievement; but it is even more important to double the de-sirability, comfort, and standing of the

Items of Interest

It is reported that the Union Stock It is reported that the Union Stock Yards of West Toronto, Ont. have been disposed of to the Swift Co., of Chicago, although it is also stated that the city have tendered for the property.

Prof. A. McLean, Associate Professor of Animal Husbandry at the Iowa Agricultural College, Ames, Iowa, has accepted the position of head of the animal husbandry work at the Mississippi Experiment Station.

A feature of the third annual Darry Show to be held in Chicago commencing Dec. 2nd will be a contest and program for managers and secretaries of local creameries and cheese factories. There will be no

World is a splendid paper. Now that it is published in Peterboro, it is bound to take well with the farmers

FOR WEEK ENDING OCTOBER 14, 1908

No. 39

MILK PRODUCERS AND THE TUBERCULIN TEST

W. F. Stephen, Secretary of the Montreal Milk Shippers Association

A forced Tuberculin Test is unpopular with the producer. Restrictions of any kind necessarily increase the cost of production, for which the consumer is not always willing to pay

N Great Britain, on the Continent, in Canada, and, perhaps, in a greater measure, the United States, city authorities, boards of health, and hygiene committees, have been and are particularly aggressive in formulating and carrying into effect measures calculated to improve the conditions surrounding and governing the milk supply from the time it is drawn from the cow until it reaches the consumer. The ultimate object of such measures is to give the consumer a wholesome article of milk, to protect infant life and decrease its mortality. From a humanitarian standpoint all efforts which have a. object so worthy should receive our commendation and the hearty support of all rightthinking citizens.

While we realize certain measures are necessary to govern this very important matter, yet we are of the opinion that many such measures have borne heavily on the producer without resulting in the desired improvement in the milk supply. All such measures affect very materially the producer, who must conform to the dictates of council boards and inspectors. or wo out of business. We realize that there is room for improvement in the quality of milk at present offered for sale in our cities, which improvement could be effected were a measure of co-operation between the producer and city authorities adopted. Then reasonable measures, based on the conditions governing production and transportation, could be enacted. More care and cleanliness exercised in the production and handling of the milk, and a more liberal

use of ice wherewith to cool the milk, would cause an improvement almost beyond conception. This extra cost could be charged up to the consumer were he willing to pay, but he is not.

RESTRICTIONS UNPOPULAR

To many producers, rules and restrictions are irritating and repulsive; such are apparently infringing on the economy of their private affairs. Others accept them and aim to meet them with the best grace possible, and almost invariably at an increased cost of production. The producer puts on the market a better article for which the consumer is not always ready to pay the extra cost. Restrictions, even the modified, have the effect of increasing the cost of producing milk, while onerous restrictions destroy the profit due the dairyman; they make his occupation no better than that of the common laborer.

Possibly the most unpopular and burdensome restriction that can be adopted and enforced by our city authorities is that regarding the tuberculin testing of all cows supplying market milk. Much has been said and written, especially in our American contemporaries, on the many sides of this question without any apparent solution of the problem at hand. "Shall the cows supplying market milk be tested with tuberculin? The problem is a big one, and is outside the scope of our large cities to carry to a successful issue. To make even a partial success of enforced testing would require an army of inspectors, to maintain which would tax our cities beyond the limit.

EXPERIENCE OF OTHER CITIES

A few years ago the city of Boston attempted to pass regulations calling for a forced tuberculin

New York with an even more sweeping ordinance. It says: "No milk, cream, buttermilk, or ice cream shall be sold within the city of Chicago after January 1st, 1909, unless such products have been obtained from cows that have given a satisfactory negative tuberculin test within one year; or that the milk has been pasteurized according to the rules and regulations of the department of health of the city of Chicago. Milk made into butter or cheese must be pasteurized or come from herds free from tuberculosis." An ordinance like this can work only harm. Just a few months for the Chicago dairymen to carry this into effect! What an absurd piece of legislation. We feel that the very drastic nature of the measure will render it abortive. "Hoard's Dairyman" takes a most sane view of this "Bovine Tuberculosis" question. It speaks of this new law in no uncertain voice as "the folly and idiocy of the Chicago ordinance." No legislation of this nature will be effective without the co-operation of the dairymen.

Within the past few weeks Chicago followed

IN OUR CITIES

How is it in our Canadian cities? Quebec and Ottawa come the nearest to attempting to enforce regulations re tuberculin testing of herds supplying milk to the city. They have met with but a scant measure of success. Other cities have attempted it without success.

Where do we stand on this question in Canada? The health boards of nearly all our cities have this question under consideration, and have had for some time without being able to solve the problem. Through time measures may be adopted to prohibit milk and cream coming to our cities from herds that have not been subjected to the tuberculin test. We do not believe in drastic legislation in this matter. Any needed reforms must be brought about by education, al-though a writer has said that

"laws are the best educators," While this may be true of many things, and also to a large extent, in respect to rules governing milk production and sale, yet on this score of tuberculin testing it will not be effectual until there is something more definitely settled as to results. We are told that milk from tuberculous cows is injurious as a food. Again, we are told that it is not. We are told that tuberculin testing is injurious to the animal, leading to abortion and other diseases. Again, we hear this combated; and yet all seem to have authority for their statements. The experience with tuberculin testing of our herd has not been unsatisfactory, and we believe it is the best means at our disposal to diagnose tubercular diseases in our



NOTHING TO FEAR FROM THE TEST

In the hands of a careful practitioner no dairyman need fear evil results from a test taken every twelve or eighteen months. We know of



Ensuring a Thirty-Bushel Crop of Fall Wheat. In no manner can manure be more advantageously applied to the soil than when put on as a top dressing. The illustration, which was taken by our special representative, shows a manure spreader in operation, on a Brant Co. Ont., farm top dressing fall wheat land. An increased yield of wheat, and a certain eath of the district of the property of the farm, as a result of applying the manure ed clover, is invariably secured on this farm, as a result of applying the manure

test of dairy herds. Buffalo, Syracuse and other cities fo lowed, but in all it was a dead letter. New York during the past twelve months has been very active in formulating rules governing its milk supply. Among them the tuberculin test is called for, yet it will likely prove abortive, because dairymen will not stand for it. Probably, the laws governing the milk supply of New York City are more exacting than those of any city on the American continent, and from all over the New York milk zone-New Jersey, Connecticut, Vermont, Massachusetts and New York State-we hear the bitter complaint of the dairyman against these exactions which tend to in crease the cost of production to a "no profit" limit without the prospect of an increase in price. This in the face of increased prices for labor and feed stuffs means much to the dairyman. Shall I continue in an unprofitable occupation or turn to some more remunerative one? is the concern of many dairymen in the United States to-day.

herds of registered cattle where this system is carried out with success, and if it can be done in a high class herd it can be done with a herd used to produce market milk. Our dairymen will not stand for a tuberculin test of their herds today, but we believe the day is not far distant when it will be to the advantage of the dairymen, for their own interests alone, to sink their prejudice against this test, give new consideration to it and, if possible, adopt the yearly test, so as to keep their cows clear of this dreaded disease. Then, if engaged in the production of market milk, a clean bill of health and a certificate to that effect will net them a price for their product that will be worth all the extra labor and cost of production. Then those dairymen that conform to the conditions called for by our city authorities will demand their price for pure, clean milk from healthy cows confined in sanitary stables, and they will get it. This is the position taken by those dairymen that produce certified milk, who sell their product at from 30 to 50 per cent. more than that received by the ordinary dairymen. The day must come, and that ere long, when quality in milk will count for something and the dairyman who puts up a highclass article from healthy cows will receive a livable profit.

Producing the Bacon Hog in Winter

N. C. Campbell, Brant Co., Ont.

there is more money in producing hogs during the summer months than in winter most of us are agreed, still there is a living profit and frequently a large profit in producing bacon in winter when properly managed. At one time, we thought to produce hogs with a profit it was necessary to place them on the market weighing at least 175 lbs. when they were six months old. To do this was a comparatively easy matter when everything was right. Sometimes, however, when the feeder became a little too enthusiastic, the young pigs were fed too heavily with the result that they went off their feed and off their feet; and profits vanished. It was a common occurrence for us to have several "Crips," as we call them, on hand during "e coldest months of winter. These pigs were a direct source of loss, and, in some instances, they never recovered, and had to be buried.

Since those days, we have learned from hard experience that there is a more profitable way to produce bacon than by forcing it on to the market ere it is six months old. Now, we aim to grow our hosy, rather than to fatten them. By making use of pastures when they are available, and in winter, availing ourselves of sugar beets and mangels, and skim milk from the dairy, we are able to keep the pigs growing nicely at comparatively small expense. We aim to make this part of the ration the "filler" and we feed enough of a grain ration composed of mixed grains (oats, barley, corn, peas and bran) in varying proportions as is convenient at the tlme, to keep the hogs thriving nicely.

When the pigs have reached a size when they will weigh about 140 lbs., they are "put up" to fatten. The former practice of feeding roots or some green substitute along with the milk is kept up, but the grain ration is largely increased and it is composed more largely of the more solid grains, with the bran and oats left out. After this stage has been reached, but a comparatively short space of time is required to finish the hogs. Since following out this practice of feeding hogs we put them on the market at an age varying from seven to nine m.nths. The resulting product is more desirable from the packer's standpoint, and is much more profitably produced.

Photographs and articles are always welcomed for publication in these columns.

Sheep in Alberta

The sheep industry of the Province of Alberta has not developed as one would have naturally expected. There is no argument necessary to prove that the raising of sheep is a profitable business since the price of both meat and wool have been so high. For several years the price has been such as to warrant producers in Prince Edward Island and Australia shipping their surplus product to Alberta markets. There are, however, several well authenticated reasons why sheep raising has not met with success in Alberta. Several years ago a controversy arose between the cattle men and sheep men of the Northwest Territories. Cattle producers maintained that their stock would not range on ground previously cov-



Hon. James S. Duff.

Ontario's new Minister of Agriculture, who was sworn in and began his duties as Minister last week. See article on page 2.

ered by sheep, and many cases are on record which go to show that a great struggle took place between the two classes of men, the cattle men endeavoring to gain supremacy and the sheep men to maintain their rights. The matter was brought to the attention of the Dominion Government and a commission was appointed to investigate the trouble. The commission reported and in its recommendations advised that the sheep limits be moved eastward from what is now Southern Alberta into Southern Saskatchewan. The recommendations were acted upon, the result at the present time being that there are very few sheep limits in the Province of Alberta.

THE ENEMIES OF SHEEP

Until recent years very few sheep have been raised on the smaller farms of the province. Most of the small farms are located in the northern part. This district is more or less covered with brush and forms an excellent hiding place for wild animals. Wolves and coyotes have made great ravages amongst sheep, making it practically impossible to allow them to run at large. Those who are in the business extensively enough to have a shepherd experience little or no loss, and again, those who take the trouble to fence a pasture with a woven wire fence have little trouble provided the mesh of the fence is close enough. There are a few men in the province who use bells on every animal.

If the coyotes are not too hungry it is possible that this method will prove effective, although reports on the matter are very conflicting. The Provincial Government has been paying a bounty on wolves and coyotes for the past year and as a consequence the numbers of these troublesome pests have been very greatly reduced. In many parts of the province spear grass has given a great deal of trouble to sheep raisers. This grass grows native on the prairie maturing early in the season. The head of the plant is supplied with spears or awns which are jagged on the edge and so constituted that when they become attached to the wool of a sheep, they gradually work through the skin into the flesh, causing the animal great torture. In districts where this grass is at all plentiful it is useless to endeavor to raise sheep.

While there are some serious difficulties to be experienced in the production of sheep these are hargely counteracted by other things which make the province attractive to the sheep raiser. In the ordinary winter it is quite possible for stock to range out with very little feed and no shelter. Then, again, the grass of the country seems to contain certain flesh producing qualities not to be found elsewhere. Furthermore, the home demand is such that a good price may be depended upon at all times of the year.

THE MERINO PREDOMINATES

The greater portion of the sheep in Alberta have a mixture of merino blood. While this breed proved very satisfactory under ranching conditions it is not the most profitable breed for the farmer to raise. The average animal is small, matures late and has a very meagre supply of wool. A serious objection to the long woolled breeds is that the fleece separates on the back, and while it was stated before that the majority of winters in Alberta are mild there are times when a cold snap comes and then we must have sheep that will weather the gale. It has been noted that in cases of heavy loss from exposure the majority of the dead sheep will be those with the wool parted on the back. This is not characteristic of the finer woolled breeds, consequently they are more popular. Up to the present very few pure-bred flocks are to be found. During the past few years, however, a few flocks of pure-bred Oxfords. Shropshires and Suffolks have been introduced, all of which have given good satisfaction and a ready sale is being found for the breeding stock. As settlement advances the pests above mentioned will gradually disappear and there is every reason to believe that there are bright prospects for the sheep industry in the Province of Alberta.-C. H. H.

Fall Management of Potatoes

S. A. Northeestt. Ontario Co., Ont.
If possible, dig the potatoes when they will
come up clean. If the ground is wet, let the
tubers lie for a while before picking up so that
the dirt may be rubbed off before storing. Be
careful not to pick up any diseased potatoes
or those that have been frosted, in case an early
frost has nipped a potato which was above
ground and not harvested as soon as it should
have been. Frosted or diseased potatoes will
soon play havoc with the others, but if they are
left in the field, there will be little trouble in
keeping the good potatoes.

Store in bins in the house cellar or in the basement of the barn, where there is no danger of frost. One bite of frost will spoil every one touched. If the bins and the potatoes are dry, they will keep without any trouble till spring.

If a market can be found and good prices can be realized, it is generally better to sell a quantity of potatoes direct from the field. It saves a lo: of extra work required to store them, besides the shrinkage.

The largest and smoothest tubers should be picked out and put in a bin by themselves to be used for seed. Under no consideration should small potatoes be used for this purpose. Keep planting big ones, and a large crop, of which too per cent. will be saleable, has been my experience. It costs more to plant large ones but it pays ten times over.

Talk with the Owner of a Record Cow

Until this year no cow in Canada had a record of having-produced 39 lbs. of butter in seven days. Last spring, however, this record was established by a Holstein cow, Nanuet Topsy Clothide, a six-year-old cow owned by Gordon Manhard, of Leeds County, Ont., near Brockville. This cow produced 556.35 lbs. of milk and 19.21 lbs. of butter in seven days. In 30 days ahe produced 2,572 lbs. of milk and IIT-F8 lbs. of butter. The butter fat test was the highest on record. For seven days the test averaged 4.35 and for the 30 days 3.98.

A representative of The Dairyman and Farming World visited Mr. Manhard's well kept farm recently and was much interested in what he saw and heard. "I started breeding Holsteins seven years ago," said Mr. Manhard, "with one cow that I purchased from Mr. W. G. Ellis of York County. A son of hers was the first bull in Canada admitted to the advanced registry. I still have this old cow. She is 15 years old and this year gave 45 to 50 lbs. of milk a day after freshening. I next purchased three head from Mr. H. Bollert, of Oxford County, and one from Mr. A. C. Hallman, of Waterloo County. These animals formed the foundation of my herd.

"Two years ago I was sick and sold out my herd to take a rest. Taking the rest, however, did not agree with me, as I found that I was not constanted, so later I went to the States and purchased five cows paying \$150 to \$275 each for them. I now have a herd of 47 head including 20 milkers, II yearlings and 15 calves under a year. Nothing but cream is sold from the farm. It is shipped to Brockville and I receive 80e a gal. for it."

A GRAND ANIMAL

The Holstein cow that made the record was one of a number of splendid animals noticed in Mr. Manhard's stable. She was an exceptionally large animal having a nice head, clean cut neck and showing a splendid wedge shape any way she was taken. Her barrel was very large and showed true dairy type. At the time of our visit she was rather rough looking but this was due to the tremendous amount of milk she had been giving. Mr. Manhard informed us that when dry she put on flesh rapidly. We had never seen an animal showing such evidence of a great capacity to consume large quantities of feed and thereby produce enormous quantities of milk.

An interesting incident concerning this cow, while she was in the test, was related by Mr. Manhard. "She freshened," said Mr. Manhard, "in the spring. It was the worst season possible as the cows were bawling to get out on grass. I kept her in the stable until the grass got good. When I let her out the grass was up to her eyes. I fed her all the grain she would eat but still she used to come to the stable and bawl for something. I could not make out what she wanted. Mr. Jones, the official inspector, who was conducting the test told me that he thought that she wanted something else to eat. Acting on his suggestion I fed her a good fork-full of hay. She ate it up clean. This showed that the grass was not sufficient for her and that there was something in the hay that she needed. As soon as I commenced feeding her hay in addition to grass her milk production increased as did also her butter fat test. From June 10 to July 10, which was sometime after the test was over, she averaged 71 lbs. of milk a day on grass alone."

SOME FARMERS SKEPTICAL

Many farmers find it difficult to believe that a cow can give such an immerse quantity of milk as this animal has. Mr. Manhard stated that he told a Mr. Sheffield, of Lyndhurst, in Leeds County, an old man 70 years of age, about this cow. Mr. Sheffield stated that he found it hard to believe that she could give so much milk and that he intended to visit Mr. Manhard's place to see the cow. He said that he had relatives that he wanted to see. A little later he walked

from Lyndhurst to Mr. Manhard's place, a distance of 35 miles, where he saw the cow. "He reached our place just at milking lime," said Mr. Manhard," and watched us milk her. She gave 75 hs of milk that day on grass alone. He stayed with us all day and watched each milking and went away satisfied that the cow was cappble of producing as much milk as I had told him. People have come considerable distances to see this cow and have been greatly interested in the large quantities of milk that she gives."

THE FARM CROPS

Mr. Manhard's farm comprises 196 acres of which 125 acres are under cultivation, the remainder being in pasture, bush and swamp. The farm crop this year included 16 acres of corn, 2 of sugar beets, and 34 of an acre of turnips. The turnips are grown as feed for the young cattle. "I find that turnips are a splendid feed for young bull calves and for stock that is to be fattened, said Mr. Manhard. "It is no use for farmers to claim that it is impossible to detect the flavor of turnips in milk even if the turnips are fed immediately after milking. If milk from cows that have been fed on turnips is kept in a can for a little while it is an easy matter to detect the turnip flavor when you lift the cover from the can and smell the milk.

"In winter I like to feed my milk cows augar beets. They make a cheap ration, keep the cows healthy and produce a sweet milk. I ...ways slice my sugar beets with a slicer. I am inclined to think that it is better for cattle when sugar beets are fed to them whole. Ensilage is fed with the beets.

HOW THE COWS ARE FED

"A cow giving 50 lbs. of milk is generally fed 10 lbs. of grain a day. Cows that give 60 to 70 lbs. of milk a day are given more grain. Sometimes they are fed 15 lbs. of grain a day. With this grain I feed ensilage, sugar beets and clover

"Last fall I seeded an acre of alfalfa. It came through the winter in good shape and this year I secured two tons of hay at the first cutting and a ton at the second cutting on the 27th of July. To be successful in growing alfalfa, I believe that it is necessary that the crop shall be sowed carefully. Everywhere I go I find that alfalfa is recognized as being one of the greatest and best feeds for dairy cattle. In New York State breeders of cattle tell me that no matter how good clover hay they feed, together with grain, as soon as they substitute alielfa for the clover the cows give increased quantities of milk. Colorado is a great alfalfa country. Where lands are worn out the farmers can nearly always catch a crop of alfalfa. They grow it for four or five years and then are able to get as high as 50 bushels of wheat to the acre. A brother-in-law of mine in Colorado succeeded in doing this. This fall I propose seeding five acres more of alfalfa and will continue to seed more as fast as I can get it caught."

HIGH TESTERS

Mr. Manhard is making somewhat of a specially of Holstein cattle that give high testing milk. As already stated his champion cow holds a record for the highest test of any Holstein cow in Canada for 30 days. Another of his cows, Rachel Schillaard Clothilde, produced 1,136 lbs. of milk in 14 days with an average test of 3.6. Another cow, Coral De Kols Pet, gave 865 lbs. of milk in 14 days with an average test of 4.1. This cow has been sold. Mr. Manhard has one of her daughters. Last year Mr. Manhard sold three cows, the milk from which in official tests averaged over 4 per cent.

At the time of our visit everything about the house and stables was neat and clean. The cow



A Remarkably Fine Yield of Corn in York Co., Ont.

The illustration shows corn 14 feet high, on a farm at Weston, Ont., owned by Mr. W. G. Trethewey, of Toronto, who recently made a fortune in Cobait mines. Mr. Trethewey's farm, which was fully described in our issue of July 22, comprises 25 acres, 35 of which were devoted to corn this year.

hay, and once a week a feed of straw which they seem to appreciate.

"When I have cows that are being tested I feed a mixture of bran, ground oats, gluten meal and oil cake meal, and all the ensilage they will eat clean, as well as roots. The cows are always fed carefully. I never give them more than they will eat clean. stables had been white washed and the animals were well bedded. Near the stable was a nie mikhouse in which the milk was separated. Mr. Manhard has a nice farm and an exceptionally fine herd of Holsteins. He is in a section that is becoming noted as a Holstein center and he is already recognized as one of Canada's leading Holstein breeders.

Contagious Abortion-Its Cause. Treatment and Prevention

At the request of a subscriber, who is unfortunate in that his dairy herd is afflicted with contagious abortion, we herewith publish a treatise on contegious abortion which appeared in the columns of The Canadian Dairyman several months ago.

man several months ago.
Contagious abortion is, probably,
one of the most dreadful diseases to
which dairy cows are liable. It
also occurs, but less frequently,
among sheep, goats, pigs and horses.
As its name implies, this is a contagious disease caused by the introduction into the vagina of the female of
specific bacteria, which, after a certain time, causes the pregnant female
cur with every female in the stable if
proper steps are not taken to prevent
it,

It is not an easy matter to know when you have got contagious abor-tion or simile abortion to ceal with. Several cows may abort in the same stable at the same time and yet it may not be contagious but due to the presnot be contagious but due to the pres-ence in the feed of ergot of rye, a fungus which causes females to abort. This abortion is accompanied by fever and, after a while, by other symptoms, common to "Ergotism."

SYMPTOMS

The first symptoms of contagious abortion are swelling of the udder, congestion and redness of the vagin-al mucous membrane, and discharge of a foul smelling matter. Abortion occurs within a few days after the apoccurs within a few days after the appearance of this discharge. The fectus is generally born dead. The discharge often continues some time after the abortion, in consequence of which the cow may suffer from continued bad health and may become

TREATMENT

If the cow has already started to abort, no treatment will be of any avail to stop the act, but, having aborted, all discharges and the fostus should be carefully collected and burned and the stall and the stolland in the stall and surroundings.

The aborting cows are not much af-fected in health. The uterus is the only organ that is affected by the disease and that usually soon yields to injections as described. The affect-ed cows should not be bred again until all discharge from vagina has ceased.

PREVENTION

Here lies the greatest care of the wner. Unless the germ of the disowner. Unless the germ of the disease is present, no amount of filth or neglect can cause it. It, therefore, follows that the great aim should be to owner. Unless the germ of the disease is present, no amount of filth or neglect can cause it. It, therefore, follows that the great aim should be to prevent its appearance on the farm. How can this be done? The various mediums by which the germ can be carried are: (1) By cows purchased from infected places; (2) Attendants of infected cows; (3) Vetrinary surgeons who have removed an afterbirth from an infected cow, and thus carried it to another stable; (4) Bulls, in serving owas not fully recovered, J. R. Dargavel, M. L. A., General Merand thus carrying germs to healthy

cows; (5) By stable litter and liquid manure from infected stables being allowed to remain where healthy ani-

allowed to remiin where neathy amels can come in contact with them.

Keeping these in mind, the careful fainer will ascertain (1) Whether the herd from which he is buying is free from the disease; (2) That any man who has been attending on diseased who has been attending on diseased cows shell change all clothing used during such attendance, and, also, (of all the control of the control

where there has been an outbreak of contagious abortion, the medicinal treatment for the protection of those cows not affected, and also those that have aborted or former occasion of the disease, is to give carbolic acid, 15 to 30 drops, according to size of animal, in the drinking water, twice a day for a week, and then cease for a week and continue thus for several months before parturition. The third

The Road Horse

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

The road horse in Ontario is represented is an American product. Every other breed of any note in our country has been originated in foreign lands, and has been introduced here by portation. But the standard bred has been originated, improved and brought to its present high standard by American enterprise. Speed at the trotting and pacing gaits has always been an outstanding feature in the develop-ment of this horse. That great success has crowned the effort, is attested by the fact that to-day there is no breed of horses in the world can com pete with him in either of the gaits just mentioned.

The rules regarding registration are different from those of any of the other breeds. Many standard bred horses have been registered that were not born in the purple, provided their more immediate ancestors were registered and they themselves have prov ed their ability to go in 2.30, or bet-ter, and provided they have produced two among their progeny with the two among their progeny with the same degree of speed. Standard bred horses become eligible for registra-tion. Consequently horses of many different types have been registered months before parturation. 11.2 third and seventh months are the most frequent months for abortion to occur.

It is also claimed that this treat-largely because of performance and



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ast 25 years, and they have always
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The Road Horse

A very typical utility road horse, not enough style for showing

ment will tend to prevent joint ill, ability to produce performers. As a or navel ill, in the progeny of females result of this composite breeding no thus treated. The bacteria of the two diseases are claimed to be the same tablished.

From the racing standpoint speed

out it is doubtful if it has been con-clusively proven to be so.

It is always well to look upon any case of abortion as suspicious, unless the cause of same is known. Preven-tion is always better than cure. After tion is always octer than cure. Are every outbreak of contagious abortion, the whole stable, that is, stalls, walls, ceiling and floor, should be thoroughly disinfected before returning the animals to them.—S. R.

Has Helped the Farmers.-The dairy

From the racing standpoint speed and stamina are the only requisites. Many road horses have lots of the former quality. They can show great bursts of speed, but have not the staying powers to go a mile. Consestaying powers to go a mile. staying powers to go a mile. Consequently they are utterly useless as race horses, and not much use for any purpose. In the show-ring, however, we look for good conformation, and style, coupled with at least a fair amount of speed.

NOT FOR THE WEALTHY ALONE

It is generally acknowledged that the breeding of this horse with the view of producing extreme speed is a hobby for the man of wealth. The average farmer might better confine his breeding operations to some line where the element of chance would not be quite so much in evidence. not be quite so much in evidence, when we consider the rare combina-tion of qualities which go to make a good race horse, we can readily un-derstand that only a very small per centage of the horses bred, even under

the most favorable conditions, ever the most ravorable conditions, ever become valuable for racing purposes. However, altogether aside from racing the road horse is in demand. The farmer whose tastes run that way, need not be discouraged for he is always reasonably sure of a good price for an animal wit! quality and speed enough to make him an attractive gentleman's driver. Such a horse must have good conformation, a stylish appearance, and at least a fair amount of speed. The ability to go in three minutes ought to be expect-ed of any high-class road horse. If he can be trained to go in 2.30 or bet-ter his value will be increased by hundreds as his record is reduced by seconde

AN UNREASONABLE PREJUDICE

Many people are prejudiced against the standard bred horse because in the standard pred horse because in their minds he is always associated with racing. This prejudice is un-reasonable because (while he is al-ways to the fore on the race track) he also fills his place as a utility he also fills his place as a utility horse, and does as much of the useful and necessary work of the country as perhaps any other breed. Practically all the driving is done by him; the liveryman, the commercial man, liveryman, the commercial man, the doctor and the agent, in fact every man, who wants the best driver he can get, looks to the standard bred for such a driver. The man who has had the most experience in driving will nearly always admit that for a horse to go every day, and all day, on all kinds of roads, and in all kinds of weather, the standard bred has no su-perior, if he has an equal. Some may object to this statement and think that an exception ought to have been made for the thoroughbred horse. But, while we all freely admit that for speed at his own gait, as well as cour age and stamina, the thoroughbred has no equal, yet his special gait is utterly unsuited to harness work.

The older the pig grows the more food will it take to make a pound of gain.



Harvesting the Corn Crop

D. D. Gray, Carleton Co., Ont. There still is doubt in the mirds of many, as to the best method of cutting corn. That is whether by the corn harvester or by hand with the corn back.

hook.

From experience I would say out with a harvester wherever practicable. If the area in corn is not large enough to justify the purchase of a harvester, then rent one. If the crop is intended for dry fodder and shocked in the field to cure, it can be handled much easier when in bundles than when losses.

Cutting by hand has one advantage. The corn can be cut closer to ground than with a harvester; wi means quite a saving of valuable fodder. Cutting too high is a mistake made by a great many, who think that the bottom of the stalk is of no

By keeping the knife of the harves-ter sharp a much neater job can be done and a shorter stubble will result. If the stubble is left too long it will interfere more or less with next year's seeding operations.

interirer more was saceding operations.

Put the crop into the silo if the full benefit and value is desired. When benefit and value is desired. When the silo, the first requisitie is a low wag much hard work is saved. Then also, one man less' is required, as building the load is not necessary; except for a little on top. on top.

A good sited gang means cheaper work. By keeping the hervester and cut-box going at the same time a much cheaper envilage can be made. If the cheaper encitage can be made. If the regular farm crew is not large gnough to permit of this, co-operate with your neisibors. Keep the harvester about half a day's cutting shead; or are nowed, so that if anything goes for nowed, and the sheat of the sile of the attention of the sheat of the sile of the attention of the sile of the sile of the sile of the not to get too far sheat leaves to the arone with it, the hauling out cutting at the silo need not stor. It is well not to get too far ahead leaving the corn lying on the field, for should a heavy rain come on the corn would get full of earth making a very dirty ensilage and disagreeable handling. Make medium sized bundles or just what the cut-box will take in micely. The control of the

a trestle is required as a support. A sood trestle can be made by driving two fence pickets into the ground for each end, cross them to form a crotch

well on into the winter, it deteriorates a great deal in feeding value.

erly when the cylinder is that distance from the water. It is better to put the cylinder within 6, 8 or 10 feet of the bottom of the well. If the pump is a wooden one, the cylinder had better be 6 feet from the bottom. If it is a good iron pump 10 or 12 feet would do. It is easier to lift the water than to draw it up by means of suction.

Buckwheat as a Soil Improver

Would buckwheat sown on my land at his searon of the year benefit the soil?— . M., York Co., Ont.

Buckwheat sown at the present time would not do your land any partic-ular good only in so far as it would make use of any available plant food make use of any available plant food elements and prevent them from leaching during fall rains and in the drainage water the following spring. By sowing a crop of buckwheat, these elements would be made use of and held in the form of buckwheat plants. This plowed down late in the fall or next spring would add considerable humus to the soil.

To derive the most benefit from owing a crop upon your lind now, would be better to sow one of the legumes, preferably the hairy vetch.
Unfortunately this seed is very expensive and it is doubtful if the returns in the form of fertility to the land would pay you for the expense incurred in purchasing seed. Crimson clover, which is an annual, probably would be the best thing that you could sow for this purpose, unless you care to sow page Aside from less you care to sow peas. Aside from fixing any available plant food, by sowing such a crop, you would tend to keep the land free from weeds, for where we do not provide a cover for the land, nature soon starts one in the shape of various kinds of weeds.

Feeding an Orphan Colt

I have a feal that was four weeks old when its mother died. It has been fed on now eat a bran mash, as well as a few oats. What is my best plan to feed it from now and "Should I feed stoch food, and the proper care of this colt.—A. G. Durham Go., Ont.

You should have no difficulty in You should have no successfully raising your colt since you have brought it to the stage where you have brought it to the stage where it will eat bran and oats. I would not advise you to have anything to do with stock food. If you feed it a mixture of bran and oat chop, about one ture of bran and oat chop, about one to two, just what it will eat up clean three times a day, supplemented by sorie fine, incely cured clover hay or alfalfa, the colt will do very nicely. Give it a roomy box stall in which to run these cold nights. Keep the stall clean and do not allow feed to accumulate in the manger. Provide plenty-of exercise for the youngster and you will have not difficulty with it. If you have milk or skim-milk to spare, it's have milk or skim-milk to spare, it will be a great help to the colt. There is nothing that seems to make a colt grow faster than skim-milk fed in adgrow faster than skim-milk fed in addition to its other ration. I personally had the misfortune to lose a brood ally had the misfortune to lose a four weeks mare when her colt was four weeks old. The colt was successfully raised by following out the foregoing practice.

Building a Stave Silo

Would you kindly inform me through your paper bow to build a stave sile large enough to feed four cows for eight or nine months. As I have never so but one stave sile I would like full set ticulars from start to finish.—D. D., Fee leigh, Ont.

The first consideration in build Placing of Pump Cylinder
At what distance from the bottom of may well should I place the epilinder of a pump, in order that it will work the most astarfactorily—J. W. York Co. Ont.

In order to work at all the cylinder of the pump must be placed not over: The stone or brick whall being thicker of the pump must be placed not over: The stone or brick wall being thicker.

The first consideration in building at a stay all of is to have a saturated as the control of the countation. A circular foundation of spine, which would extend about three feet above the level of the ground is necessary to secure immunity of the timbers from moisture.

Ont. Readow Surface (The Control of Con

FARM MANAGEMENT

The pump tight enough to work properly when the cylinder is that distance from the water. In practice, than the wooden tub which forms the pump tight enough to work properly when the cylinder is that distance from the water. It is better to put the cylinder within 6, 8 or 10 feet of the wood on the wood on the wood on the cylinder within 6, 8 or 10 feet of the incide. For every nurrous the sile. the inside. For your purpose the silo would not need to be over nine or ten feet in diameter. It less than 24 feet high. It should not be

Granting that the foundation is in Granting that the foundation is in readiness the next thing is to erect the staves. If the silo is to be 24 feet, high it will be well to have the staves of two lengths, say 10 and 24 feet. Then by alternating the different lengths the joints would be broken. Unless one is extremely handy with tools a carpenter who understands the Contess one is extremely finally with tools a curpenter who understands the tools a curpenter who understands the the silo. The staves which have previously been bevelled and ciressed so as to make a tight job, are then set up one after the other until the circle is complete. They are held in place by toe-nailing one to the other until the hoops are put on. The hoops may be made from old wagon tires or of half or five-eighths inch iron. A silo 24 test high would require? I hoops are until the hoops ar is the greatest. Provision must be made for the doorways for getting out the slage. The door should be made to fit tightly and should not be too large or they will be cumbersome to handle. A silo 24 feet high should have at least three doors. It would be more convenient with four. Make them 18 inches wide and two feet high, Outside of these build a chute to pre-vent the slage from being blown away when thrown down. away when thrown down.

It is not neecssary to roof the silo. Some claim that the silage is better Some claim that the silage is better for having the rains and storms. This is largely a matter of opinion, but good silage has been made and fed for years from silos without a roof. Suitable drainage should be provided for the silo by means of a tile drain, else the juice which will gather in the bottom will damage the lower layers of silage. Before building your silo you would do well to consult a carpenter and employ him at least during the time you are executing the staves. Having an expect on hand may save conjug as the silage. ing an expert on hand may save considerable time and prevent any mis-

Non-appearance of Oestrum Some of my cows and several of my eighbors, have not shown construm this eason. What can I give them to cause

estrum !-W. Z. When nature does not act in this particular it is hard to correct. In ome cases the administration of nux vomica will have the desired effect, Keep the cows in good condition, give

each 2 drams nux vomica three times daily and allow a young vigorous bull to run with them.

Musty Clover-Dry Feed

(1) Is musty clover harmful to mileh cows? (2) Is dry feed likely to produce as much suilk as wet feed?

Unwholesome feed of any kind is not the best for stock. A cow may live and thrive well on musty hay but such is always attended with danger. Asside from effecting her health the milk might become tainted. Cows that was the danger to librally often as are not fed any too liberally often eat musty clover with gusto and in fact they will frequently relish it at any time. However, I should certainly ad-vise feeding nothing but wholesome

Other things being equal, the more succulent the better or the nearer we can approach June grass the more milk will the cow give.

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HORTICUL TURE

Fruit Crop Report A. McNeill, Chief Fruit Divi

Weather conditions have been fairfavorable for plums, peaches and

grapes, but not for pears and winter Apples.-Early and fall fruits are ripening prematurely and dropping, reducing the crop already below med-Winter fruit

Pears .- Are ripening rapidly and



Pears Wrapped and Packed for Shipment

rears wrapped and racked for Shipment There is a good market for reasonable quan-tities of Ontario pears in the western provinces. The provinces from the western states. They must be graded and packed honestly. They must be graded and packed honestly other rules so as to make carload lots. Co-operation is necessary.

are of good quality. Exports to Great Britain larger than usual. Peaches.—All are harvested but a few late varieties. Prices have been

tew late varieties. Prices have been below the average. Plums.—Are nearly all harvested ex-cept in northern districts. Grapes.—A full crop of excellent quality. Prices lower than for several

Tomatoes. - Have

romatoes. — have ripened to applied for the canning factories, but are of excellent quality.

Cranberries.—Are a good crop. There is a demand for the Canadian berries in the United States.

Insects and the fungous diseases.— These have developed slightly this month. Pink rot has developed to a

serious extent. Winter apples in the United States

depreciated in quantity and quality. Prices for Canadian pears and ap ples in Great Britain have been good and shipments larger than usual.-

Demand for Canadian Cider W. A. MacKinnon, Canadian Trade Comn. is-sioner, Bristol.

From time to time Canadian Trade Commissioners have reported on the opening for good Canadian cider afopening for good Canadian cleer ar-forded by British markets. It has been pointed out that only a first-class article will meet with a ready and constant demand here, and that even then the best Canadian cider might have for a time to find its chief use in blending with English cider.

The industry here, as is well known, has been brought in certain counties to a high degree of perfec-tion, and is assisted by experiments carried on under the auspices of the National Fruit and Cider Institute.

These experiments have involved the trial of a great number of varieties of apples (and concurrently of pears the making of Perry) and an infinite number of blends in varying quantities; in fact it seems to be accepted that the choicest commercial ciders are always the result of blending, though some varieties of apples able beverage

FRALS SHORTAGE OF CIDER

The Board of Agriculture has re-cently issued a bulletin on "Cider Or-chards," from which the following is

an extract:
"The future welfare of the cider making industry depends upon a large increase in the planting of fresh orchards during the course of the next few years. Probably the majority of the existing orchards have long pass-ed their best days and are now dying out; and few are being planted to fill their places. In unfavorable sea-sons the supply of fruit is by no means equal to the demand, with the result that prices are high and it is difficult to manufacture pure cider at a reasonable profit. The present state of affairs points to a regular and more serious shortage of cider fruit within a few years, and this, unless something be done, means a decline of the industry from the position it now occupies."

WOULD INCREASE THE DEMAND!

It would appear from this that if Canadian cider makers enter seriously and scientifically upon the task of supplying British markets with a firstsupplying British markets with a first-class product, the demand is likely to increase rather than to fall off, even in years when the English crop and quality are satisfactory. It may be well to repeat that the practice of cider drinking is on the increase in this country. this country. It would not be difficult for any Canadian manufacturer to obtain samples of some of the most popular makes of cider, as known in Devonshire. Somersetshire and other famous cider counties.

Ontario Vegetable Growers' Association

The executive of the Ontario Vege-table Growers' Association, together with the delegates from the branch associations, held a meeting on the with the delegates from the branch associations, held a meeting on the grounds of the Canadian National Ex-hibition, Toronto, at which Mr. Thos. Delworth, of Weston, Ont., gave a ver-bal report in connection with the combai report in connection with the committee appointed to test seeds. He had seen the Seed Commissioner at Ottawa and also the Deputy Minister of Agriculture, and had asked for legislation to prevent the selling of inferior seeds, that seedsmen become ferior seeds; that seedsmen ferior seeds; that seedsmen be required to print on the outside of their packages the percentage of seeds that would germinate, and that, if this percentage is not reached, there should be redress at law. The Deputy Minister thought that the disclaimer which seedsmen print on their packages would protect them whether the which seedamen print on their packages would protect them whether the
special points are sould protect them whether the
special points are sould be provided and the protect them
our vegetable seeds were impost of
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the samples of soil for
including the summer was aminful throughout
that is possible and be inspected
while growing? Some seed firms are
commencing now to grow them here
of the samples of soil for
the thought the work of the seed department at Ottawa could be extended to
cover inspection of vegetable seeds. A
advanced and the grass grow the de-

great d.al of money is sent out of Canada every year to purchase for-eign-grown seeds.

The committee had visited Guelph and Jordan Harbor and found the work at the former place more prac-tical that in previo a years. They are now testing peas and fomatoes. He thought that these tested seeds should be available for the use of the vege-table growers of the province. They were agreeably surprised with the character of the soil at Jordan Harbor which was excellent for vegetables.
The only drawback was the difficulty of getting there, the station being too

far away.

Mr. C. C. James, Deputy Minister
of Agriculture, gave a short address
touching on the investigations being held by Mr. McMeans, at Guelph and bould by Mr. McMeans, at Guelph and other practical men in Essex and the practical men in Essex and the practical men in Essex and tomato growing, which were intended to help the vegetable growers. There was much to be learned about both these vegetables. Large quantities of American-grown onions are brought into Montreal and the department is enquiring into the reasons for this as that market should be a good field for Ontario-grown onions. In field for Ontario-grown onions. In Essex their representative was exper imenting with fertilizers on onions with good results. It was decided to hold a one-day

annual convention, on Thursday, November 12th, the directors' meeting to take place the evening previous at 8 p.m. The following is the program:

MORNING SESSION 9 a.m.—President's Address. 9:30 a.m.—Discussion on President's Ad-dress. 9:45 a.m.—Report of Secretary-

Treasurer.

10 a.m. -Address on "Onion Growing Industry," by A. McMeans, O. A. ., Guelph.

AFTERNOON SESSION

2 p.m.—"Notes on Irrigation." by Professor Macoun, C. E. F., Ottawa. 2:30 p.m.—"Onions," by A. McKen-

ney, Essex. 3:30 p.m.—"Tomatoes," by Mr. Tur-3:30 p.m.—"Tomatoes," by Mr. Tur-ney, O. A. C., Guelph. 4:30 p.m.—"Combatting Insects and Fungous Foes of Vegetables," by Pro-lessor Jarvis, O. A. C., Guelph.

Soil Moisture and its Control F. T. Shutt, M.A., Chemist, Dom

For five years we conducted experiments in the matter of soil moisture control in the orchards of the Experi-mental Farm at Ottawa, and similar experiments on the Experimental experiments on the Farm at Nappan, N. S. Farm at Nappan, N. S. The results and the conclusions therefrom, are to be found in extenso in the annual report of the Chemical Division of the Experimental Farms. I need not now, therefore, enter into any detailed account of this work. A few of the more important data and deductions may suffice.

Let us consider, first, the case of an Let us consider, first, the case of an orchard in sood. In 1902, one of our series consisted of two adjoining plots, the one cultivated throughout the season. The other one was in two-year-old-sod. The soil was light and sandy. The rainfall throughout tributed. The samples moisture determination were taken every two weeks, beginning Atril to

great deal of money is sent out of mand on the soil moisture in the sod plot became greater and greater. This became evident very soon after May 1. By May 15, there was 50 per cent. more moisture in the first 14 inches of the cultivated plot. At the end of of the cultivated plot. At the end or July the difference had increased to almost 100 per cent, or, in other words, there was nearly twice as much moisture in the cultivated soil. The percentages on May 31 were 17, and o.8 respectively. This represents a o.8 respectively. This represents a Throughout the whole growing season differences of a marked character, and always in the same direction, were to be observed. The data are were to be observed. The data are of a most decisive nature, pointing to the heavy call on the moisture of the orchard soil by sod at a time when the trees are most in need of it. It was not until October 18, the close of the not until October 18, the close of the season, when vegetable growth had ceased, and there was a liberal rainfall, that the two plots approximated once more in their moisture content. (Continued next week)

Photographs and articles are always welcomed for publication in these

columns. BEB



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Feeding Laying Hens

The colony house used at Macdonald College and described two weeks ago, has given very good results in that it seems to fill the bill both summer and

In this country where we have two extremes of climate, varying as it does from 100 degrees in summer to 40 degrees below in winter, the house that will accommodate birds during the 42 months in the year must have several characteristics. That is, it must provide suitable shelter in winter and keep them sufficiently cool in the summer time.

Although this house is only single boarded—except the end where the boarded—except the end where the roosts are placed—out of 600 laying hens kept in these houses last winter nens kept in these nouses last winter I do not think there was one frosted comb, though several of the cockerels were slightly touched, and the reason is that though this house is cold, it is dry. Dryness is ensured by a loose board ceiling over which straw is put, a gable window which may be opened into this straw loft, and abundance of

fresh air.

During last winter, though it was an exceptionally cold season, the window was opened up, or partly so, almost every day. The hens have plenty of fresh air; their feed consisted of dry bran in the hopper (shown in the cut recently) which was before them at all times. In the small hopper is grit, oyster shell and beef scrap which they could eat at will. They had out grain feed a a vill. They had out grain feed a cap will be considered to the consideration of the consideration They had one grain feed a day fed in a heavy litter and given to them between two and three o'clock in the afternoon. This seems to be an unusual time to feed poultry, but I find it one of the most satisfactory, especially when only one feel is given during the day. During the coldest weather I would try and give a little corn in this grain feed, so that when the mixture was thrown on the litter the heav ever readily filled. that when the mixture was thrown on the litter the hens very readily filled their crops, and as the largest grains were the easiest to find it consisted of corn. While they were taking this meal they were mixing the smaller grains into the litter, and as they would go to roost about three-thirty or four o'clock hey would go to bed would go to the desired they would go to be the state of the state of the state of the would get up hungry and would nave sufficient small grain in the litter to keep them scratching all day, or fficient small grain in the litter keep them scratching all day, or

until the regular afternoon feed.

The quantity of feed fed would depend upon the hens themselves. I like to see a hen hungry enough to hunt for feed, but not so hungry that she suffers. So when the feed was fed in the afternoon the quantity would depend on how much grain was left. If practically nothing was left in the litter there was not enough being fed. If there was so much in in the litter there was so much in being fed. If there was so much in the litter that the hens did not have to scratch for it there was too much being fed, and the quantity would be governed accordingly. I like to have enough food in the litter so that a hen is encouraged to scratch; not so much that it would not require to scratch, and not so little that she will get discouraged because she cannot that it.

The dry bran in the hopper gives The dry bran in the nopper gives them a change, and also ensures that no hen suffers for want of food. The question of watering hens in houses so cold (last winter the tem-

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perature went as low as 20 degrees in the houses) was a serious question for awhile. We could not keep cold water on account of the frost. Warm water on account of the frost. Warm water could be kept a little longer, but would eventually freeze, and warm water makes considerable trouble, so that our only way out of it was to let the hens eat snov, which they have done for two winters, and the results have been such that I expect they will eat snow this winter.

eat snow this winter.

This sysèem of winter feeding is very economical of labor, the hens do well, the fresh air and exercise keeps them healthy, and the percentage of fertile germs in the spring is high, as is also the egg yield in winter. Next week I want to deal with the advantages of this house for summer.

Animals That Prey Upon Poultry

S. Short, Carlton Co., Ont.

While there are but two bird ene mies of the chicken in this country, viz: the hawk and the crow, the anim depredators are more numerous. In the country and suburban districts there are wild enemies, such as the racoon, fox, skunk, mink and weasel and also what may be termed the domestic enemies, the dog and the rat. In cities only the domestic enemies

have to be contended with.

The first on the list is the wary chap. He works at night al-ays, preferably between one and three in the morning. He rarely visits the same yard twice in succession, nor does he discriminate. Every poultry yard in his neighborhood is visited. He climbs the fence posts with ease and will enter any yard except those wired overhead. He likes to kill, but seldom takes away his quarry. He kills by biting off the heads of very young chicks and by cutting the throats of mature fowl. He will upset a coop and kill all the chickens unless disturbed. His presthe mother hen or by the outery of the male bird. It is wise to have the the male bird. It is wise to have the shot gun at hand when a coon is known to be in the district. Throw on a dark cloak, and go out softly without a light and you may be in time to get a light at him. When disturbed he usually runs up the nearest tree and it is a good idea to examine carefully the trees, if there should be any in the trees, if there should be the the yard before going in. Last summer a racoon visited eight or nine mer a racoon visited eight or nine words in the vicinity of Rockdifferent yards in the vicinity of Rock-liffe, Ottawa, and killed numbers of young fowl, escaping traps and dogs, until the writer had the honor of shooting him one night in the early part of August.

The fox is also wary and will not noter wired enclosures. He is dangerenter wired enclosures. only in the country districts and catches his prey early in the morning and towards evening when the fowl wanders too far from the yards. Scattered feathers at the edge of the bush or near a log fence tells the tale and soon the number of fowl rapidly diminishes unless the fox is shot or frightened off.

frightened off.

The skunk is a night prowler. He is very deliberate being safe from attack from dogs. He first visits the nests in the hen house looking for eggs and then turns his attention to the chickens. If the place is to his liking, he will probably scratch a hole under will probably scratch a hole under the hen house and stay right there. His meal time is about twelve o'clock mid-night. He is not easily disturbed and can be easily shot, for he goes on with his business of killing chickens whether the owner is there or not.

The mink and the weasel both work at night and in the same manner. at night and in the same manner. They destroy from eight to a dozen chicks nightly by cutting their throats but don't take away the bodies. The mink lives near a creek or beaver meadow, and must either be trapped or shot. The weasel likes a stone pile or trash heap, and may be seen sun-

ning himself on sunny mornings on the bottom rail of the fence near his nest or.den. It is worth while spending an hour to get a shot at him hard to trap. Space forbids a des-cription of the city enemies of poultry, the dog. cat and rat. It may be given another time.

another time.

In conclusion, it may be repeated that the animals that prey upon poultry are attracted by scent and the smell from a dirty yard will travel further than that from clean quarters.

Get Sick Birds Examined

The bacteriological department at Macdonald Callege is willing to examine any sick birds that the readers of this paper may have if the specisent express charges prepaid and sent in good state of preservation and sent in good state or preservation, preferably alive. Address Bacterio-logical Dept., Macdonald College, Ste. Anne de Bellevue. (Dominion or Can-adian Express).

October Poultry Hints

Quite a few of those old hens had etter be killed off before cold weather.

If there are sufficient well matured pullets to make up the flock, keep very few of the hens. The pullets will lay much better than the hens.

It is time to be putting up the spare cockerels. Save the best only for breeding and feed the others, also the cull pullets and hens.

Get the house cleaned up for the pullets, and put in only those pullets that are a good shape, well matured, and a good specimen of the breed.

Feed them well, have the pullets start to lay about the middle of Nov-ember or first of December, and make arrangements to know which are laying this winter and use their eggs for setting next spring. Keep only the good layers of this winter for the year

Fresh lean beef fed to sick fowls or Fresh lean beef fed to sick fowls or chickens will affect a cure when all medicine fails, and if there is weak-ness in the fowls or the newly hatched chickens are afflicted with bowel trouble the fresh lean meat fed the hens will add strength to the first chickens hatched from the eggs after the beef has been fed. When chickens hatched from improperly fed hens have bowel trouble it is almost a hopeless case. Dry oat flakes and sweet skimmed milk will save them if anything can

It should never be forgotten that poultry needs some green food at all seasons of the year. In winter they seasons of the year. In winter they can be given cabbage, onions, turnips etc. Economy in preparing and in other distribution of the food is a matter that deserves the most earnest consideration of the poultrymen.

A white clover lawn clipped twice each week with a lawn mower and the clippings fed to the laying hens fowls and growing chickens will save nearly half the cost of feed, increase the egy yield and develop the chickens quick ly. It will improve the lawn by mowing twice weekly, and a little finely sifted fertilizer from the hen house will make the lawn very productive. Spread the clippings about three inches deep on the cellar floor and you will have fresh clippings to feed

A Good Word for Zenoleum.—The great trouble with chickens raised by means of incubators is that a large percentage of them are carried off by white diarrhoea. Professor Graham of the Ontario Agricultural College hit upon an effective remedy when he used zenoleum to disinfect the incuba-tor. By disinfecting the incubator with zenoleum before setting he invariably saves at least 75 per cent. of the chicks that would otherwise contract this great plague common to incubator



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THE CIRCULATION DEPARTMENT The Canadian Dairyman and Farming World PHTERBORO - - CANADA

The Canadian Dairyman Farming World

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THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO, ONT.

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

THE TUBERCULIN TEST

Cow owners are and have been in doubt regarding the reliability of the tuberculin test. A few of our best authorities claim that the test is unreliable. The majority, however, come out strongly for it. Those who are against having their herds tested make strong use of the arguments of the former, while all advocates of the test overlook such testimony.

The tuberculin test is by no means as perfect as we would wish, yet, in the absence of something better, we will do well to adopt it and make use of it, the best means at our disposal, to diagnose tubercular diseases in

Much doubt regarding the action of tuberculin has been engendered in the minds of cattlemen from the fact that the tuberculin test can be so readily doctored and the re-action

wholly gotten over by giving a previous injection of the serum a few days before they are to be tested officially. The animal having re-acted to the former test will give no reaction to an injection administered soon after. But this should have no influence on the practical testing of our own individual herds. The test after a little study can be carried out by any person of ordinary ability who may afterwards keep the results in the dark and nobody but himself be the wiser.

How large a grip tuberculosis has upon the herds of our country is difficult to ascertain. One thing is certain, however, that in the majority of herds, occasionally a beast, from some cause unexplainable, has to be taken to the back field or the bush and disposed of, having become run-down from one cause or another or has developed a racking cough which gave a feeling of uneasiness as long as this animal was in with the others. If tuberculosis exists in our herds, we may as well recognize it, the sooner the better, for ourselves and for our herds. If a re-acting animal exists in a herd, it may be distributing the 'seeds" which will take years to eradicate and may do extensive damage in infecting other members to say nothing of the possibilities of spreading tuberculosis to the family.

The tuberculin test is comparatively easy of administration and costs but little. If doubt exists in the minds of herd owners as to the freedom of their stock from tuberculosis, they will be serving their own best interests by adopting the tuberculin test. Whether the test be reliable or not, there are few of us who would not prefer to own cattle that give no reaction. Where cities demand that herds furnishing their milk supply be tested with tuberculin, the producers would be quite justified in demanding an increased price for their produce. For, in the average herd. such a test would appreciably increase the cost of production. Where such demands have not been made. as yet, dairymen will do well to inaugurate a campaign in their own herds with a view to qualifying for this test should it become compulsory.

UNSOUNDNESS IN HORSES

That many do not realize the value of soundness in horses is plainly evidenced by the many old, broken down brood mares showing with foal at foot at the local fall fairs. That many are incapable of recognizing unsoundness in horses is shown by the large number of unsound horses exhibited. No sane man who is conversant with the horse business would expect to win a prize with an unsound horse, yet year after year, unsound horses are paraded before the judges in the hope of getting a prize. The owners of such horses either are unable to detect unsoundness or they depend for their winning chance upon the possibility of the judge overlooking or being incompetent to discover such defects.

If there is one thing above another that demands great emphasis in the horse ring it is this matter of discounting unsoundness. A judge should

put his foot upon it wherever it is detected. Not under any circumstances should an unsound horse get within the prize money. The exhibiting public cannot be taught too soon that unsoundness will not go in the showing.

It is hard to believe that owners of horses, that are afflicted with one or more forms of unsoundness to which the horse is heir, would exhibit them in the hope of being awarded a prize. While we realize that there are exceptions, we must account for such subjects appearing in the ring as being due to the lack of ability on the part of their owners to detect such deformities.

If then we cannot expect farmers, who exhibit horses, to detect unsoundness, how much less can we expect the average farmer who raises a few colts each year to detect such. Surely the need for legislation, calling for a qualified veterinarian's certificate of soundness for each and every stallion that stands for the public service, is apparent.

LACKED TIME BUT LOST A PEARL

Few farmers realize how valuable is the information that is furnished to them, free of cost, when they join one of the cow testing associations being formed by the Dominion Department of Agriculture. In Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, and British Columbia there are now over eighty associations, and about 6,000 cows are being recorded regularly under a simple system.

The milk is weighed morning and evening every tenth day, thus giving six weighings on three days per month; while samples are taken of each of these six milkings, and the composite sample is tested every month. This testing is free. From the Dairy Division, Ottawa, is mailed to each member every month, first, the record of each cow for the month, that is her calculated yield of milk and butter fat, and the actual test and second, a record of her total yield up to date for the number of months that her weights have been sent in. Thus a complete check is possible on each individual cow's production, and comparisons are constantly before the eyes of each herd owner. A summary is compiled, also, of each herd in the association, giving details of the average production of the herd, and the highest and lowest individual yield of milk in each herd. A copy of this summary is also mailed to each mem-

This information is invaluable to the man who is seeking for more profit. He is soon in a position to discriminate between the relative merits of each cow under his care, and should be watching for those that seem worth a little extra feed. A re-cent number of the "Outlook" pub-lished a photo of a "champion butter cow" with the following unique testimony in favor of cow testing associations:

"never discovered the wonderful "capabilities of his cow."

Note that last phrase. He had no time to estimate the value of the pearl, the jewel of a cow right in his own stable. Many more such animals, probably, remain to be discovered. Dairymen, be up and doing, so as not to let prizes like this slip through your grasp. The Dominion Department of Agriculture is to be commended for pushing this work. The more publicity the Department can give to this work the more will the value of the work be appreciated. It should be extended in every way possible.

THE DEMAND FOR PASTURE

There is a constant demand at this ason of the year for good pastures to maintain the ever-diminishing milk flow consequent upon the cool nights and the indifferent supply of fodder on most pasture fields. This fall the call is more pronounced than usual owing to the season of drouth through which we have passed and which was not broken until recently.

To provide good pasture for the late fall months is, in most cases, a difficult matter. Many have solved it by methods that are wholly adaptable to their own conditions only. Where alfalfa is grown, it is frequently used as a late pasture crop by turning in the cattle instead of taking off the third cutting. The advisability of this practice is doubtful as any crowns that are bitten off result in dead plants for the coming year. Aside from this objection, alfalfa is an ideal fall pasture crop and may be used as such if one cares to take the chances on losing a good stand. Where one wishes to break up an alfalfa field the following year, fall pasturing, especially with horses or sheep, will effectually clean out the alfalfa and plowing will be an easy matter the following May.

Abundance of the best of late pasture is to be had on farms where seeding is practised with all cereals. Of late, it has entailed considerable expenditure to purchase seed for this purpose. But where pasture is required, the returns from such practice have been ample to justify all expenditure. Aside from the pasture obtained, the fertilizing value of the roots must be reckoned with. This alone should pay the cost of the seed and warrant following up the practice.

In seasons of drouth, however, and where a good catch of clover has not been obtained, much hardship is frequently experienced in providing the necessary pasture for the cattle. Where young cattle or stock other than milch cows are to be provided for, possibly the best solution of the question is a field of rape. Probably no other forage plant gives so large returns per acre and is more relished by stock than rape. Rape sown in July or even as late as August, when sown in drills and cultivated, gives large returns in the shape of fall pas tures should the season be favourable. Aside from the quantity of forage se-"This cow produced 1,000 lbs. of "butter in one year. Her present "where purchased her from a man "who could not find time to test the "milk of his herd, nor to keep a "daily record, and consequently and their owners express great satisfaction with the results they are ob-

At this date, it is not possible to provide fall pasture for stock if it has not been considered previously. One may be equally as well fixed, though, if he has some fodder on hand which he can use as supplementary feed. With cold nights coming on, as well as cold, chilly days, milch cows will give better returns if kept stabled and fed their winter ration. If proper fodders have been grown and are available for feeding, milk can be produced cheaper in the stable than on pasture in the fall. Those who have a good supply of suitable feed on hand need not regret that they have no luxuriant pastures available

Farmers Can't Do Without a 'Phone

'The farmer who has used the rural

"The farmer who has used the rural telephone could no more dispense with it than he could with the postoffice. There certainly is no better investment of money that a farmer can possibly make than the \$10 or \$15 per year that he pays for his telephone. "In Haldimand county, where the natural gas is a wonderful convenience for heating and lighting, and almost every farmer has a gas well, he will frankly tell you that he would prefer to go back to the wood stove and coal oil lamp rather than be without the use of the telephone."

The practical value to the farmer

out the use of the telephone."
The practical value to the farmer
of the rural telephone was thus expreased by Mr. Byron Gee, Selkirk,
Ont., secretary and manager of the
Erir Telephone Co., who attended the
Independent Telephone Convention at
the City Hall in Toronto recently. "I the telephone on my farm east of Selkirk for two years before I moved into town, so that I know whereof I speak," he added. "A farmer, of I speak, he added. A farmer, after getting accustomed to a 'phone in his house, simply couldn't get along without it.

ITS USEFULNESS

"I know one farmer who saved a horse by being able to telephone to a veterinary surgeon, and thus getting him out twice as quick as by driving him out twice as quick as by driving to town for him. Another case I know of, where a barn was struck by light-ning in the night. The fire signal was phoned to the farmers around, and a dozen of then had gathered in time to save part of the contents of the barn, which could never have been done if help had not been as speedily can be summoned in case of sickness in the family, and there are, doubtless, times when a man would give a thousand dollars to be able to communicate directly with a physician. municate directly with a physician. You see then that in all such emerencies the rural telephone is invalu-

"But for ordinary every-day use it is also worth ten times the yearly cost of the phone. A farmer can tele-phone to town and get the market prices, and easily save the cost of his 'phone by landing what he has to sell on the market when the prices are Likewise, he can inquire about trains, make engagements or obtain information that will save him an end-less amount of time and travel.

trains, make engagements or obtain information that will save him an endless amount of time and travel.

SAVES TROUBLE AND TIME

"Think of the convenience to the farmer also to be able to go to the farmer also to be able to go to the farmer dinner and arrange with this or that farmer near-by any little business they have together without walking or driving the phone aboun they could not now do without. When they farmer is away all day or for a couple of days, how handy it is for his wife to 'phone to her neighbors or friends, or in to town if necessary. Whe can also make her engagements

The saves of two subscriptions to your paper, for which you will kindly seed me the watch which you divertise."—Mr. William the farmer is away all day or for a couple of days, how handy it is for his wife to 'phone to he neighbors or friends, or in to town if necessary. George A. Potter, Northumberland Co., 'Oht.

over the profile or inquire about meetings or anything else going on in the neighborhood. As a means of facilitating social intercourse it is of the utmost value, and the rural telephone on this acore alone would be well worth the investment.

"Our coursent began business in

"Our company began business in April, 1908," Mr. Gee continued, "and we have now 600 subscribers, and will have from 700 to 750 by the end of the year, for we have more applications than we are able to supply. The farmers pay \$12 a year, which covers the installation of the 'phone, and gives them free connection with their martown. They pay a small fee to one outside their own district exket town. 'phone outside their own district exchange, but this would not cost them more than \$3 or \$3 in a year. We have no connection with the Bell Telephone Company because they demand an option to purchase our whole system, and also that we buy all telephone supplies from them. These conditions supplies from them. These conditions cauplies from them. These conditions of Selkirk, Fisherville, Cayuga, Hageraville and Jarvis.

PHONE IS POPULAR

"On a nine-mile line east of Selkirk there are 53 farmers who have 'phones, only five farmers without them. a mutual company, but our solicitor advised us to make it a joint stock company, and we did so. The divid-ends for the first year were six per cent., and for the second year ten per

The telephone is the greatest boon The telephone is the greatest boon that has come to the farmer in a long time," Mr. Gee concluded, "and he is the man who needs it—a great deal more than your resident in the city."

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We will make it worth your while to give our premiur offers a trial. We have premiums for any number of subscriptions, from one to 1000. ow, we are making a special offer of \$15.00 for every \$25.00 of subscription money which you send in to us.

This offer will only be open for a short time longer. Better take advantage of it while you still have the opportunity

The circulation of a paper is the part that counts. We want to increase the circulation of The Canadian Dairyman and Farming World as much as possible, and we make liberal offers to all who are willing to help us in this work.

We have just received a list of 30 subscriptions from an agent in Wellington cuunty. He has been working less than a month canvassing for these subscriptions in his spare time. Why not occupy some of your spare time in this way.

Have you noticed our watch and ence a watch would be to you, if you have not already got one. A v saves time as well as keeps time. A watch can always tell just how much time can always tell just how much time you have to spend on a particular piece of work, and in this way you can use your time during the day to much better advantage, and accomplish more work in the end. Here are the results of some attention that has already been paid to these premoffers.



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CIRCULATION DEPARTMENT

THE CANADIAN DAIRYMAN AND FARMING WORLD PETERBORO, ONT.

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

******************************** Creamery Department

Resessassassassassassassa Farm Butter-Making

While the creamery is essential to While the creamery is essential to the development of butter-making, as a national industry, it will never alto-gether displace the private dairy. Where there are a sufficient number of farmers in a section to support a su cessful creamery, one should be estab-lished. There is less labor in sendlished. There is less labor in send-ing the cream to the creamery and having it made into butter on the co-operative plan than in making the butter at home, and the returns are usually better.

There are many individual farmers, however, who are not adjacent to a creamery, or who are in a cheese dis-trict, but prefer to make butter, that trict, but prefer to make butter, that will find a private dairy a paying investment, if operated in the right way. The old fashioned way of making butter will not do. It must be made after the modera, plan, and be of a quality that will command a ready market. There is nothing to prevent as good butter being made on prevent as good butter being made on a farm as in a creamery, providing the same system of separating the cream and in churning and working the butter is followed. There are prithe butter is followed. I here are private dairymen to-day making butter who get as good a price for their product as any creamery does. But they understand their business and conduct it along approved lines.

In a private dairy the conditions should be most favorable for making good butter. The maker not only has control of the cream but he has control of the cows, their feed, and the milking and separating of the cream rom the beginning to the end of the process, he can keep an oversight over things, and if he understands his business, should turn out a qual-ity of product second to none. Many private dairymen are doing this and others desiring to or compelled to make their own butter, should fol-low their example. The butter must make their own butter, should follow their example. The butter must not only be of good quality but must be put as the market in first-class shape. Many good butter makers fail in this regard. They neglect those little things connected with the marketing of the product that are essential in obtaining the highest price and in vertaining chair customers. in retaining their customers.

The cream separator is a great help The cream separator is a great help to the private butter-maker. It enables him to obtain a uniform grade of cream, and to care for the cream of the cream of the cream of the came to the witter's notice a few weeks ago. A farmer out of reach of a creamery or cheese factor of the compelled to make his own butter. Our purchased a separator, and began our character of the cream of t

quality, and as good as any cream-ery. It commanded ready sale at the village store. In fact the storekeeper supplied the wrappers, free of cost, with his own name and brand printed on them, and made a special fea-ture of selling the butter. On the adjoining farm, where the conditions were more favorable for caring for the cream, there being a cold spring near the house, no separator was used. The butter was a very low grade as compared with the other; the flavor was bad, and the quality in-ferior. It may not be fair to ascribe the better quality of the butter made in the former case to the use of separator. But so far as we could see in the different methods followed, it had a great deal to do with it. There is this about it, a farmer with a few cows, who invests in a cream separ-ator will give more attention to the business. The care necessary in op-erating a separator successfully, becomes a habit, and is carried through the entire process. The separator must be made to pay for itself and this it will not do, if the cream is not cared for properly, and the but-ter made and handled in a slovenly

As to the market for dairy butter, there should be no trouble on that score, so long as the quality is good. First class butter will command a good price, no matter whether made in a creamery or not. The farmer in a creamery or not. The tarmer with the separator mentioned above, with the separator mentioned above, found a market for his butter among some of the patrons of a cheese factory a few miles away. The buyers came to the farm for it and willingly paid the same price that the store-keeper paid when delivered at his store. In other cheese centres, where patrons prefer to send all the milk to the factory, and buy butter for their own use, a private dairy can obtain a good market for its butter during the summer months

The help problem has to be reckned with in private butter-making. Inless the farmer is so situated as to have plenty of help, and has the facilities for making good butter, it is better to patronize a creamery, if there is one handy. Even under favorable conditions, both as to help and facilities, it may not be dead to have the dead of the conditions. facilities, it may pay to do so. well managed creamery will always give a good return, and the farmer has not the worry of sending to mar-ket for his product, and etting his pay therefor

Slow and Fast Turning of Cream Separators

Separators
Ed. The Dairyman and Farming World,
—In your issue of September 9th, Mr.
Stonehouse says it is safer to turn the
separator 4 or 5 revolutions faster than
the speed recommended by the makers of
the machine. Why? If the speed is, say,
5 to the minute, what would be the re\$to the minute, what would be the reto the machine state that capably
close skimming can be had by slow as by
fast turning—John W. Elwell, British
Columbia.

As Mr. Stonehouse explained in the As Mr. Stonehouse explained in the issue referred to fast turning of the separator gives a richer cream and a cleaner skimming. At the Kingston Dairy School, a couple of years ago, an exhaustive test of separators was made. Six different makes were tried and each machine put through nine different experiments to determine the effect of separation that is the separation of the separation

crank. Therefore, what seperator mancrank. Therefore, what seperator manufacturers may say as to their machines doing equally good work by slow as well as by fast turning is not borne out by actual tests. It is reasonable to suppose that up to certain limits the faster the machine is turned the more complete will be the separation of the cream from the milk. The centrifusal force generated by transcentrifugal force generated by turn-ing the machine accultuated when the speed is increased and a more com-plete separation of the heavy and light particles in the milk is the result. We would be glad to have the experience of butter-makers and users of separa-tors on the effects of slow and fast turning of the separator.

Milking Machines Giving Satisfaction

Although there are no signs that the milking machine is likely to come into general use in Canada at an early date those farmers who use these machines appear to be well satisfied with the results that they are getting. Desiring to find what satisfaction these machines are giving, The Canadian Drairyman and Farming World, wrote word to the satisfied that the satisfied of the sa year or more and asked them how they were satisfied with their ma-chines. The following letters were re-ceived in reply. They speak for them-

We have been using the B. L. K milking machine continually for over two years and it has given entire sat-isfaction. The machines have been a positive success with us and we would e very much disappointed if com-belled to stop using them." S. Price & Sons, Limited. (per Thos. Price.)

"I am well pleased with our B. L. "I am well pleased with our B. L. K. milking machine. We started it on the 12th of June, 1907, and operated it until December. As we do not milk our cows in the winter, we did not start it again until the middle of April. We have never had any trouble with it; it works fine. My son and myself always look after it."—John Gestiles, Ormstown, Qu.

"We have used eight B. L. K. milk ing machines since September 1st, 1907. We milk eighty cows with them. 1907. We milk eighty cows with them. Our machines are run by means of a three horse gasoline engine. It takes three men to operate the eight machines. We can observe no difference in the yield of milk when the cows are milked regularly. We always try each cow by hand stripping after the machines and we are always sure that cach tow is milked clean every time. each cow is milked clean every time. We have been able to reduce our help from seven to three men by making use of these milkers. The milk is also much cleaner than when we practised hand milking. We are much pleased with the milking machines as they milk cleaner than we can get it done by help especially when the machines are properly handled."—Rae Bros., Winchester, Ont.

"I have been using the B. I. K.

"I have been using the B. L. K. milking machine right along and find it all right. I have lots of visitors coming to see the machine. Several speak of putting in milkers."—Peter Stark, White Station, Que.

Prize Butter from Gathered Unpasteurized Cream

Ed., The Canadian Dairyman and Farming World: — In regard to the butter made by the City Dairy Company, and which won lat prize at the Canadian National Exhibition, we would say that this butter was made from gathered cream received different experiments to determine the effect of speed on the richness of the cream and the skimming efficiency of the different machines. It was found that an increase of speed from five turns of the handle lower than the indicated proper speed of each machine to five or even ten above the indicated proper speed of each machine to five or even ten above the indicated and the care of the cream and cleaner as difference of over 20 per cent. In the richness of the cream in the same run just by increasing the speed of the machine by ten revolutions of the Co. Limited, Toronto.

When the Butter is streaked, you may be sure it was not

Windsor Dairy

that was used to salt it -for Windsor Salt gives an even colour. All grocers sell

Dairy Notes

Windsor Salt.

The cost of the great fleet of sixteen battleships now on cruise was \$97,-000,000. The output of milk from the two states of New York and Wiscontwo states sin was \$126,000,000.

Makers should not become careless about their work when the milk supply falls off. As much care should be taken to turn out a good article when the make is small as when it is large.

In a pint of milk with bread (10 oz.) In a pint of milk with bread (10 oz.) there is more nutrition than a meal consisting of soup, beef, some cabage, bread and butter, with a cup of coffee containing milk and sugar. The beauty of the bread and milk is that it only costs half as much as the bill of fare outlined.

FOR SALE AND WANT ADVERTISING TWO CENTS A WORD, CASH WITH ORDER

MUST SELL—Good brick creamery in Western Ontario, doing good business, \$1,200, Box "S" Canadian Dairyman. E 12-2

FOUNTAIN PEN FREE.

A 14 kt. Cold Fountain Pen will be given to any person who secures only one new subscription for The Can-adian Dairyman and Farming World. These pens are guaranteed to give satisfaction. Try and win one.

Don't Bite

"Coupon Discounts" and "Free Tultion" are familiar baits. They belong to the "something-for-nothing" class, and therefore are to be avoided. Only schools that cannot compete on their merits use them. Attend a strong, re-liable school, such as

The British-American **Business College** Yonge and McGill Sts., Toronto

and you will have no regrets.

Fall Term begins Sept. 1st.

Write for Catalogue.

T. M. WATSON, Principal

MEN WANTED

We want men in every darpy or extended district in Canada who can derove either all or part of their time to canvassing for sub-district in Canada was considered as a constant of the partial of the par

The Canadian Dairyman and Farming World PETERBORO, ONT.



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

Shipping Cheese Direct

Shipping Cheese Direct

That shipping cheese to the wholesale dealers in the old country can be
done profitably and satisfactorily
when dealing with a reliable firm on
the other side has been proven by Mr.
A. Patterson, owner of the Apaley
cheese factor years now, Mr. Patterson has been shipping cheese made in
his factory, tirect to the firm of Leggatt Brothers, Glaagow, Scotland,
(who read The Canadian Dairyman
and Farraing World that they may
keep in touch with dairy conditions in
Canada, and has found the returns
entirely satisfactory. Mr. Patterson

much money with the Bank at Lake-field, and upon date of shipment from there, we go into the bank and get part payment for our cheese, and the *************************

part jego-balance reaches us about the balance reaches us about the bard. We find this method much more satisfactory than selling on the board. We never have any trouble in getting our money, when due, we get better prices for our chesse and always have a market for it. We keep most over the balance of t is shipped. We would not like to go back to selling our cheese on the board, after having sold it direct to the dealer in the old country."

A DANGEROUS PRACTICE

While some factories have obtained satisfactory results by shipping direct it is a dangerous practice unless the firms dealt with on the other side are hrms deaft with on the other side are known to be reliable. Once the cheese leave Canada the shippers are largely at the mercy of the people who have bought them. If these people prove to be sharpers, and there are many such

nothing of the trade, while there are others who might work a life time and then not know how the changes in the milk come on.

milk come on.

I think, however, that makers should unite and raise the price of making. I know makers who are working for 30c a cwt. Makers have to take all kinds of abuse and should backbone enough to form an association of their own. If we can get the 950 makers in Eastern Ontario to pull together we will not have so much trouble with the patrons.—C. LaForty, Cheese-maker, Leeds Co., Ont.

Do You Make Cheese Like This?

Editor, The Dairyman and Farming World,—It is useless for the cheesemakers of this country to squander any money in the selection of milk at the factory, as our climatic conditions are so evenly tempered and cool, that we are insured against any over-ripe or tainted milk.

Neither is there any necessity for to any specific degree for the adding of the rennet. Any temperature will do—and there should not be much do—and there should not be much water used in mixing the rennet, and what is used should "stink." Neither should the rennet or color

be thoroughly incorporated with the milk. In this way we are assured of those beautiful leprous spots, which all desire and appreciate so highly in

And in cutting the curd: this should always be done while it is soft and before it breaks smooth and clean over the finger.

As soon as the temperature is raised on the curds—to any degree handy on the curds—to any degree handy—say from 60 degrees to 110 degrees, the whey should be removed, and great care used that all moisture is retained in the curds. This will insure us a "hargain" in the cheese that no buyer will be able to defraud us on. For if we are so blind that we cannot see the holes, we will be to feel them.

And when the curd is massed to-gether into one solid mass, it should be milled and salted at once. It is foolishness to mature curds, before and after milling. It should then be put to press and pressed for then be put to press and pressed for not over 10 minutes. Then the band-age should be pulled up—without re-moving the hoops—as that is only a waste of time. The cheese should then be given one solid eternal squeeze for 60 minutes—that is long

enough.

They should then be removed to They should then be removed to the curing room, and leave them to Providence and the angels of heaven to turn them, and regulate the right temperature, moisture and ventila-

The boxes should always be brand-ed on one side and the weights on the other, and the colors should be variegated, from a pale, sickly blue to a red-hot red. Never should the boxes be shaved down just slightly below the surface of the cheese. Neither

should the covers be nailed down, as should the covers be halled down, as the employees of the wholesale men in the city of Montreal are employed specifically for that purpose. It should be wrong to defraud them out of that great pleasure.

A. H. Wilson,

Leeds Co., Ont.

P. S.—This system applies to all months of the year.

Note.—Our good friend, Instructor Wilson, must have had some trying experiences lately to suggest the line of thought as above. But we learn sometimes by contrasts. Making prosometimes by contrasts. Making pro-minent the wrong way often impresses the right way of doing things more forcibly on our mind. Mr. Wilson probably had this in mind when he penned the above. It reminds the writer of a little experience he had the writer of a little experience he had some years ago. On a visit to a provincial experimental farm (not in Ontario) he was taken by the director to see the live stock. The cows in the stable were a very poor lot. The Professor, who appeared to think some explanation necessary, said: "We keep these cows to show farmers what kind of cows they should not keep." Mr. Wilson's letter will show here the professor when the contarious contari

The amount of stirring a curd requires after dipping depends upon the amount of acid developed. The skill-ed maker will know this and where much or little stirring will be neces-sary. Some makers believe a curd sary. Some makers believe a cannot be stirred too dry when dipped, cannot be stirred too dry when dipped, cannot be stirred too dry when dipped, but this is not a good plan to follow. A fast working curd requires more stirring and one working slow.

DAIRY BOOKS

ur 36-page Catalog of Dairy and Farm ooks sent free on request. Write to

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Our British facilities give us an unexcelled opportunity to pay

HIGHEST PRICES

- FOR -BUTTER and CHEESE



Unloading Cheese at the Wharf.

While some of the factories have obtained satisfactory results by shipping direct, as does the Apeley factory, it is a dangerous practice, unless the firms dealt with are known to be See adjoining article.

has a fine large factory in the little sharpers on the other side, there is village of Apsley, Peterborough County, practically no means of collecting the Ontario. Every two weeks, there is balance of the money due on the shipped to Scotland, a shipment con- cheese. It is for this reason that most

Ontario. Every two weeks, there is behipped to Sooland, a shipment constiputed to Sooland, a shipment constaining from 60 to 70 boxes of cheese that so the result of the result of the result and the result of the in the shipment shown in the illustra-tion were marked from 89 to 94 lbs. each, but the average weight of cheese shipped, are about 89 and 90 lbs. each. Mr. Patterson's man was asked if there was any complaint about broken boxes, after the cheese reached Scot-land, and replied, that they had never had any trouble through shipping used. These boxes appeared to be very strong, and were particularly well made.

OBTAIN A GOOD PRICE

When asked what his cheese would When asked what his cheese would, realize net this year, the driver of the load, replied: We will net about 13½, cents for our cheese this year, which is more than we would get, should we sell it on the cheese board. We receive part payment for our cheese when it is abrived and the belance on receivit. cents for our cheese this year, which is more than we would get, should we sell it on the cheese board. We receive part payment for our cheese when it is a shipped, and the balance on receipt of the cheese in the warehouse in Scotland. The firm we ship to deposits so experience who know comparatively

Whey Sweeter and Better
Editor, The Canadian Dairyman and
Farming World—In regard to pasty
and the past of the pasty
and my patrons say the cans are
leasier to wash. The whey is better
for feed, aweeter and freer from flavours, and the tanks are much easier
to keep clean. We never have that
isour whey flavor that we had before
pasteurizing. As to disappearance of
bitter or yeasty flavor I cannot say
as we have never had that flavor to
caldity show it to be much sweeter
than before we began pasteurizing.
As to patrons taking better care of
the milk I cannot see much improveand plant department. The floral see'y
ment.—E. Gunther, Cheesemaker,
Haldimand Co., Ont.

Haldimand Co., Ont.

Makers Should Have Certificates

Salary-\$75 to Wanted-Brakemen and Firemen \$150 a month. We teach and qualify you by mail. Course simple, practical and thorough. After eight or ten weeks' study we guarantee to assist in getting you a position on any railway in Canada. The first sten is writing for our booklet. The Dominion Railway School Dept. R. Winnipeg, Man

Patent Steel Cheese Vats Steel Whey Tanks and Steel Clad Dairy Utensils THE STEEL TROUGH AND MACHINE CO. LIMITED, TWEED, CNT.





VERY young man and woman should strive to make his or her life a complete life. Many people only half live. Health without usefulness, intellect without unselfishness, pleasure without duty, business success without growth in service to God and manthese are incomplete and unsatisfying elements of living.



The Way of Lemuel's Wife

Cousin Lennuel's with had been discussed so much up in Lisle and criticiated so much up in Lisle and criticiated so much up in Lisle and criticiate and the state of the course of hands. That Lennuel's with the work divided charge and the state of the course of hands. That Lennuel's manner of the course of hands. That Lennuel are come and invitation from work of the course of hands. That Lennuel are come of the course of hands. That Lennuel's manner of hands of the course of hands. That Lennuel's manner of hands of hands

lot of style and lived right up to the top notch.
Anyway, I went, and Lemuel met me at the station. It was terribly hot for September, and he said Dolly had felt like coming along, and she hoped I'd excuse her. Think's I to myself, "that's the first of her airs," and I what is the said of the

to think I'u was day.

But if anybody ever changed her mind suddenly it was me, for Lemuel's wife was waiting at the foot of the steps for me to jump out of the buggy, ready to put her arms about me and tell me how glad she was I'd

buggs, ready to put her arms about me and tell me how glad she was I'd come.

I wish you could see her house. It's the neatest, cleanest place you ever were in. Yet it isn't too heat, for which the property of the property



tickets once in a while, or a chance of a day's excursion to the beach, an afternoon at the circus or something of that sort, and Sophy is all the better of such an outing."

"And does she never take advantage of the sort, and sophy is all the better of such an outing."

"And the season as the season of the season of the season and the season of the ...

The Farmer's Wife and Her Allowance

By Marion Dallas, Frontenae Co., Out.

Has the woman, whose husband eeds, shelters and clothes her every-hing she needs? Unhesitatingly, feeds, shelters and clothes her every-thing she needs? Unhesistatingly, No! - Women for years, yes, centur-ies, have felt the need of, and con-tended for, a little spending money, all of their own, or "an allowance." for it savors so of charity. Every true wife is entitled not, to an "allowance" but to a share of all the money com-but to a share of all the money com-ton farm' and especially de-terved from farm' and especially de-lived from farm' and the pre-lied of the farm' and the pre-ties of the farm' and the pre-

rived from her departments. It is a strange thing that the majority of men are "little" in their dealings with their wives. In a business institution, or on a farm, every employee is paid, and paid regularly, but in the home, which is the greatest institution in the world, one pretates institution in the world, one partner is seldom paid, in ready cash, and at stated periods. Here is the secret of so many women leaving their homes and going forth into the

business world.

The careful handling and planning The careful handling and planning of money, gives to every man or wo-man, added self-respect, and independence. In many homes the position of a wife, regarding money matters, is almost pathetic, and I can say, without fear of contradiction, nine-tenths of the domestic troubles, arise from this source. The health of the

"When it is in my power, I give her a few hours' pleasure. Lem being in a newapaper office, brings us spare tikkets once in a while, or a chance of a day's excursion to the beach, an aftermon at the circus or something of course, I'll give you something, or course, I'll give you so

Going homeward, my companion and I discussed the situation and we

and I discussed the situation and we concluded, that surely, if men stopped to think, they would never so humiliate the woman to whom they had made the vow, "All my worldly goods. I do thee bequeath."

Men like to pet their wives and make children of them. They seem to inherit the patriarchal air, it is the heritage of centuries, just as the dependent spirit of woman. We love, ed as an coust in the networks with the contract of the state of th to be petted but we want to be treat-ed as an equal in the partnership of life. As long as women make the grave mistake of timidly asking for every twenty-five cents, as if it were a favor, just so long will man continue to enjoy this (thoughtless) tyranny.

to enjoy this (thoughtless) tyranny.

Of course, there are many women
who cannot handle money, there is so
much trash displayed to attract them.
It is appalling the amount of money
some women spend in useless nonsense, and many a man is ruined because he has not the heart to refuse

cause he has not the heart to refuse the woman he loves everything she desires. This brings up another is-sue, namely: The training of our daughters to spend money wisely. The farmer's wife can seldom be accused of this waste. For one rea-son, she does not constantly view the so-called bargains. Then, for an-other, her work on the farm is so other, her work on the farm is so closely related to her husband's, she knows and appreciates the amount of labor he puts into the earning of

We do not want to clothe money in a sentimental garb, nor sulk, nor fancy ourselves abused, but we should approach the subject in a calm, busi-ness like way. Husband and wife should talk it over and have a thor-ough understanding. The mother is should talk it over and have a thor-ough understanding. The mother is living for the interest of her family, spiritually, mentally and physically, while the father is philosophically paying out all he makes for the same reason. Why cannot they meet the

Making the Old Parlor New

How tired she was of the prim par-How tired she was of the prim parlor with its greenish cast of wall
paper and carpet, and the faded green
cambric shades that since her earliest
recollection had served to shut out
the sunshine, and to give a bilious
complexion to such guests as were
formally entertained. The cane seat
chairs, and hair cloth sofa, the two
starched idies, the motto, "Home,
Sweet Home," over the high, bare
mantle, even the oval-framed pictures
served to irritate her as she looked

But a week ago she had returned from a visit to a city friend, whose artistic rooms made the home parlor seem more stiffly unpleasing than ever. She threw up the shades, o ened a window and in came a cool, north wind, bringing sweetness of clover wind, bringing sweetness of clover way from the reservoir of sun-dappled hills. Such beautiful hills! "This room needs the 'outdoorness' first of

anything," she said.

A moment later came her mother, amazed at seeing every window of the sacred apartment open, the sun streaming in, and Carol perched on the sofa arm. "What are you doing, Carol?"

"Doing interior decorating fresh air," said Carol. "Moth want you to lend me this parlor." "Mother,

'Lend you this parlor Yes, to make pretty, like Rita's."
Oh," Mrs. Haven comprehended "Oh," Mrs. Haven comprehenced ow. "But, my child, pretty things cost money.

"I have ten dollars."
"Yes, dear, but ten dollars would
do so little."
"X stands for the unknown quan-A stanus for the unknown quantity," said Carol, gaily. "Given—a nice, old-fashioned room, a girl with an artistic eye, and an X, and the result will be the envy of all this country round."

Well, you may see what you can

"Well, you may see what you can do, if you won't spoil anything," Looking about with a sense of proprietorship, Carol decided that the dark green and salmon of the carpet harmonized well with the wall paper, which was a pattern of loosely-sketched brown dasies on a silvery green around. The carpet itself was not bad, the figure being a small lattice work, with leaves struggling through it. She felt a new stricterion in the it. She felt a new satisfaction in the high-ceilinged parlor, with its hand-somely cased summertree and corner

That afternoon she made a trip to the village seven miles away, coming back with a large packing box, and back with a large packing box, and many mysterious bundles. For ten days she spent her spare time in the parlor, which she kept locked to everyone. And when at last the door was opened to the family with an invitation to "walk into my parlor," the come seemed transformed, indeed. "How did you do it?" cried Jim and Patty.



"I don't see but two things that I thing I shall insist on, mother—that know," said her mother. "The marbyou shall come in here and sit a while ble-top centre table and grandpa's every day as tribute to my genius."

"I hope you haven't run into debt, and the state."
"Not a bit of it," replied Carol; "I just waved my magic wand, and off-dashioned, odd bureau like the one presto—change! But, listen: First, were the shades. They were nice ones but I got them for fifty cents apiece, because there were some tack holes in them, and they were sold as dam-ared. The drapery curtains cover the holes and are of scrim at five cents a yard—12 yards for the three windows. The poles are cheap, and they are pretty-stained pine at 25 cents each. The windows took \$2.85 out of my X. I paid a quarter for the charming artotype of Bouguereau's "Fisher I paid a quarter for the charming or arrivage of Bouguereau's "Fisher in appearance, and is not as useful Girl," in the old motto frame over as it might be were such an addition the mantel, and the rest of my money went for cretonne and paints. The bookcase was given me where I made my membrases—it is a macking box bookcase was given me where I made my purchases—it is a packing box into which I fitted shelves, painting it in white and gold, as I did these chairs and this little stand which I dragged from the attic. The mirror I took from my room and gave its tarnished gilt frame a coat of white with gold tracings all over it, and the motto frame is also enamelled, as

you see."
"But the rugs, the bookcase curtain, the stand cover—"
tain, the stand cover—"

"But the rugs, the bookcase curtain, the stand cover—"
"Oh, mother mine, you ought to recognize the stand cover as the little shawl Great-Aunt Martha gave to wrap about my infant shoulders on occasions of state. The bookcase curtain is that old shawl of yours, which you said I might make into aything I liked. The rugs are our worn-outlap robes. I sewed the good bits together, and put pinked red felt on for an edge. The headrest and cushion for the rocker are made of what was left of the shawl, and the other chairs used for the sola. The two gorgeons fans on the mantel were given me by Rita before I came away. The teal pot and clains plate on the bookcase are what belonged to Grandma, and have been hidden away as choice ever since I can remember. The pink rose should be the present the pr since I can remember. The pink rose bowl on the centre of the table I bought while I was with Rita, and the plush photograph case and the tiny easel on the square stand, she

N N N



furniture is serviceable for the draw-er room it affords, but it is awkward in appearance, and is not as useful



Banking for All

tiny casel on the square stand, she gave me also; now doesn't X stand banks? Several have obtained these for the unknown quantity in something besides algebra. And haven't one girl in British Columbia writes us:

we a pretty parlor? But there is one 'I' received the nice bank which you

sent me for securing two new subscriptions for The Canadian Dairy-man and Farming World, and was much pleased with it. I think any one who gets one of these bank be pleased with it too."—L McQuarrie, B. C.

R 10 10

Have you contributed to our "New Idea" column yet. Read about this Idea" column yet. Read about this new feature on page 16 of the October 7 issue. Send in your new schemes, and ideas. They all count.

Every Home May Have A

New Scale

OU want a piano. You enjoy music. You think the children should learn to play. And yet
—you hesitate to put out so

—you hesitate to put out so much money all at once.

We will make it very, very easy for you to buy a New Scale Williams Piano. Our system of Partial Payments will be arranged to suit your convenience. The piano you select will be delivered after the first payment and you will have the use of it.

payment and you will have the use of it all the time you are paying for it. This method enables you to own the finest piano in Canada—one of the world's standard instruments—and still

have it cost you no more than you would pay for renting one.

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The greatest artists of the operatic stage—famous teachers and composers—give it unstituted praise. Homes in every section of the country, show their preference by installing the "New Scale Williams."

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"New Century" Washing Machine

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Twenty-five years of "knowing how" are built right into every part of it. tury" enables you to do the biggest kind of a wash an hour, that would take the whole day with an

ordinary wash-tub. It saves your hands, our back, your time, your nerves — to say nothing of the clothes. The ball bearings and powerful oil-tempered steel springs make it run so easy that a child can do the

family washing.

part of it.

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Price \$9.50 without wringe delivered to any railro delivered to any railroad station in Ontario or Quebec.

Write us for free booklets. The Dowswell Mfg. Co. Limited HAMILTON, Ont.

Keesesssssssssssssssss

To 1 qt of sifted flour allow 3 eggs, butter the size of an ordinary hen's Beat without separating 2 eggs, gg, S a cake of compressed yeast add 1 pint of milk. In another bowl

THE COOK'S CORNER cr: 1 teaspoonful of salt and 1% send in your favorite recipus, for and when cool, add the salt, melted Send in your favorite recipes, for pertaining to cooking are solicited, and when cool, add the salt, melted butter and milks, yeast, and the flour, pertaining to cooking are solicited, and will be replied to, as soon as possible after receipt of same. Our Cook Hook after receipt of same. Our Cook Hook better, and it is a warm place for about 2 hours. Beat the eggs so the batter, then the whites, and let it stand for 15 million of the same stand of 15 million of the same stand in a warm place for about 2 hours. Beat the eggs so the batter, then the whites, and let it stand for 15 million of the same stand in a warm place for about 2 hours. Beat the eggs so the batter, then the whites, and let it stand for 15 million of the salt, melted and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and did the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and did the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and solicited, and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and and when cool, add the salt, melted butter and milks, yeast, and the flour, then beat thoroughly; cover and year and

place ½ pt of flour and ½ a tea-spoonful of salt, then pour the wet ingredients into the dry ones, beating constantly while pouring slowly in. Strain through a sieve to make the batter smooth; then fill hot pop-over cups ½ full, and bake in a quick oven for about 40 minutes.

English Muffins.

Scald 1 pt of milk; add 3 table-spoonfuls of butter; when luke-warm add 1 cake compressed yeast dissolved in 4 tablespoonfuls of luke warm water, add 1/2 teaspoonful of salt and sufficient flour to make a batter that will drop from a spoon batter that will drop from a spoon (about 2½ cupfuls), now beat thor-oughly cover and stand in a warm place for 2 hours. Heat a baking pan slightly; grease muffin rings, and set them in the pan, flung half full of the batter; then set in oven and bakes. and bake.

American Muffins.

Separate 2 eggs, beat the yolks for a moment, and add ½ pt of sweet milk, then 1½ cupfuls of white bread flour and beat thoroughly; add a tablespoonful of melted butter, ½ teatablespoonful of melted butter, ½ tea-spoonful salt, a rounding teaspoon-ful of baking powder. Beat for about 2 minutes, then stir in carefully the siffly beaten whites of the eggs. Pour this mixture into 12 ungreased muffin cups or irons and bake in hot oven for about 20 minutes.

Steamed Boston Brown Bread.

Mix 1/2 pt rye flour with 1/2 pt granulated corn meal, the same quantity of whole wheat flour, measure a level teaspoonful bi-carbonate soda level teaspoonful bi-carbonate soda, dissolve it in a little warm water, and add to it ½ pt of New Orleans molasses. Mix and add to 1 pt of thick buttermilk, add a teaspoonful of salt, and pour this into the dry ingredients. After mixing thoroughly turn into a greased brown bread mold; tie down the cover, and steam constantly for four hours. A tin pail will do, if a mold is not owned by the housewife.

Home-Made Bread.

Put into the bread mixer 1 gt of boiling water, and I qt of scalded milk, ½ cupful of butter and lard mixed. I teaspoonful of salt and ½ cupful of sugar. When lukewarm, cupful of sugar. When lukewarm, add 1 yeast cake which has been dissolved in ½ a cupful of warm water, and thicken with flour until the Usualdough is smooth and elastic. Usually 3 minutes will be sufficient to turn by 5 minutes will be sumicient to turn the bread mixer. Let rise until twice its bulk, lift out on board and shape into loaves. Rub the loaves with melted butter, place in a greased pan and let rise again until double their bulk, and bake one hour in a moderate oven.

—Elizabeth Clarke Hardy,
Wisconsin.

THE HELP THAT HELPS Sometimes you may have so many milk cans and pails, then too, the separator to wash, not to mention the household cleaning, that it seems you can never do it. It's no

wonder you occasionally get cross and sometimes scold a bit. Why not try WYANDOTTE Dairyman's Cleaner and Cleanser Your work will be much easier and more

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SELES

DAIRYMANS

quickly done. Ask your dealer for a sack, try it, and if it is not as we say it is, take back the empty sack and he will give you back your money.

THE J. B. FORD COMPANY, Manfre. WYANDOTTE, MICH., U.S.A. Cleaner has been awarded the highest prize wherever

PANDORA RANGE The Recipe "Ladies, here's my recipe for Apple Custard Pie:-'Two eggs, four or five apples, grated, a little nutmeg; sweetened to taste; one-half pint of new milk or cream; pour into pastry'-then The Oven



Four pies and pans of bread can be baked in a "Pandora" oven at one time.

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

A Face Full of PIMPLES BLACKHEADS, BLOTCHES, &c.



personally and by n and cure them, too, a all else has failed. M were told they would grow them; that t couldn't be belped, Are you one of the n ber? A fair trial of

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







6088 MI 6089 Eight Gored Skirt, 22 to 30 walst. 44 and 46 years.

GIRL'S FRENCH DRESS 5850



The French or long The French or long waisted dress is al-ways becoming to the younger girls, and is pretty and graceful. The waist is full and is ar-ranged over a fitted body liging which body lining, which is faced to form the

Material required Material required for medium size (6 yrs) is 4 yds 27, 3%, yds 32, or 2% yds 44 in wide with 9 14 yds of ribbon for the frills: % yds 18 in wide for the yoke, 1% yds of narrow banding.

and 2 vds of wide banding. The pattern is cut for girls of 4, 6, and 8 yrs and will be mailed to any address on receipt of 10 cents.

. .

A 14-k gold fountain pen, given away free, for securing only ONE new subscriber at \$1. a year. Write Household Department for sample

October 14, 1908

PRESCOTT CO., ONT.

PRESCOTT CO., ONT.

GRALLEVILL.—Pastures are very poor, and there is practically no grass for the cattle to feed on. Farmers who are feeding corn stalks, etc. are getting good restalks, etc. are good restal

DURHAM CO., ONT.

BLACKSTOCK.—The rain which was so, long looked for came at last. On Monitorial control of the co

VICTORIA CO., ONT.

KINMOUNT.—Since the threshing is all finished in this part of the county, it is not seen that the seen is a light of the county, it is not provided by the county in the county between ally fit for shipping. Sheep and lambs have not done as well this year as might have been expected. The blame may be laid to some extent to the ravages of the horn fit which has become very troublesome to sheep as well as cattle.—C. B.

WENTWORTH CO., ONT.

WENTWORTH CO., ONT.

KIRKWALL. — The pastures were all becoming very dry. Rain was needed very
badly. The second growth of clover is
the only first class pasture there is for
stock. Recent showers have helped matters somewhat. Many farmers who have took. Lecent showers have been and the control of t NORFOLK CO., ONT.

NORFOLK CO., ONT.

OURTLAND.—Pastures are getting very short. Nearly all crops are gathered in, there being only a little isle ocor remaining to be cut. The weather has been slightly improved by the rain, and it is now quite cool. There has not been enough rain in these parts to enliven the pastures very much. Sio filling is the or-

pastures very much. Silo filling is the order of the day. There have been several
silos either built or rebuilt this fall. Some
who had silos before have built additional
ones this year. Others who never had a
silo before have built one. Potatoes are
not going to be the crop that was expected
at one time. Turnips and
have been very bad one to fine each; hides,
de to 6 a. h. mich cow. 85 to 849 each;
built of the common service of the common service of the
local service of the common service of the common services
the local services of the common services of the common services
the common services of the common

COUNTRY NOTES AND PRICES Si bran, 800, middlings, 822 oats, 800 a bush; barley, 560; corn, 55c to 60c; peas, 50c—W. A. B.

BRANT Co., ONT.
BLUE LAKE.—The recent rains were not as copious as we should have liked. After such a long and protracted drought as we experienced the showers which came down experienced the showers which came down were far from being sufficient to break it, and give the fall wheat a good start. On many fields that have been sown for over a mouth there is little growth to be observed as yet. In some instances it tooks are if there might be no wheat next year, as felly house if the start year, the start was a start of the start was a start was

WATERLOO CO., ONT.

WATERLOG CO., ONT.

GALTS.—The core has been safely harvested for another year. Those who have silos have this valuable fodder safely stored where it will be convenient for the winter's feeding. Some husking varieties winter's feeding. Some husking varieties weater is facilitating the husking of it. Unless some rain in greater quantities than we had recently comes ere long, the fall wheat will make a poor show before the contract of the contr crop will be away below the average. Mangels came poorly and resulted in a very thin stand. The fly bothered the turnips as they were coming up and those which have attained a fair size have recently been pestered with the turnip louse. Some fields are so badly affected that the oldor arising therefrom is particularly of fensive.—B. R.

MIDDLESEX CO., ONT.

MIDDLESEX GU, UNIT.
TEMPO-The threshing machines are soing their rounds and the grain is pouring out of their spouts at a fast rate, averaging about 1000 bushels a day. The highest yield of wheat I have record of highest yield of wheat I have record of a yield of 39 bushels. Many others got as, while the averaged all come up. so lat a yield of 39 bushels. Many others got on, any leid of 19 bushels. Many others got on the state of the for it. More than usual has been sown this fall. Some are anxiously awatting this fall some are anxiously awatting the fall some are accepted to the the heavy rains of a were caught out in the heavy rains of a well awarge 40 bushels an acre. Barley will average 40 bushels an acre. Barley will average about the same. Not many peas are grown, and the same. Not many peas are grown, and the same are far and the fall the same are far and the fall the same are fall same ar

HURON CO., ONT ..

GODERICH. — After a very abundant grain harvest, farmers are now engaged in storing an excellent corn crop. The present corn crop is the best in years. The stalks gree large with an exceptionally large number of well matured ears. The variety most generally grown is Leaning. Silos in some sections are quite general and are randify contens more in general and are rapidly coming more in favor as farmers realize the large amount of waste incurred by saving corn in the old way in the shock. Mangels will not old way in the shock. Mangels will not be as large a crop as was expected earlier in the season owing to the month's drought just ended. Pastures were beginning to dry up but the recent rains will likely revire them somewhat. The rains will also enable farmers to commence the fall plowing, the land heretofore being very hard. Apples were a rather light crop, except in well attended over the control of the co

45 to 50 bushels an acre; barley about 25. and wheat about 20. Wheat appears be touched by frost in some places. (is frosted, though just a few miles f here it is not touched at all. The f The frost ed to come in streaks this year.

AYRSHIRE NEWS

The Oandian Dairyman and Farming World is the official organ of The Ganadian Ayrathire Breeders' Association, all of whose members are readers of the paper. Members of the Association are invited to send items of interest to Ayrahire breeders for publication in this column.

THE AYRSHIRE FOR A few weeks ago we published in the columns, an article under the captic "What Breed is Most Profitable" fre the Country Gentleman, in which t merits of several breeds were set forth answer to the query of a New York City milk producer as to which was the most profitable breed for producing milk that

milk producer as to which was the most profitable breed for producing milk that profitable breed for producing milk that the city milk rate. The profitable profits of the city milk rate of the city milk rate of the city milk rate. The producer reference to the country of the constant producer referring to the fact that the majority of the cows used to supply milk majority of the company of the producer of the prod

and no assis about some of the other breeds—the Shorthorns, Brown Swiss and Dutch Belted, as these breeds are under consideration by these dairymen.

While I have nothing to say against these breeds, I am quite sure there is these breeds, I am quite sure there is these breeds, I am quite sure there is the purpose required by the califymen. I refer to the Ayribart. a better breed for one enby these dairymen. I refer to the Ayrby these dairymen. I refer to the Ayrshire. Until within a few years ago
owners of Ayrahires were very modest
about advertising their good qualities, but
new that we have our dairy test systems
have have abreed second to none. A second to the second to none and the second to the second to none and the second to none and the second to the s milk producer, a butter or cheese cow, the Ayrshire stands out pre-eminently, as has been demonstrated in tests of various kinds. At the dairy test conducted during the Pan-American Exposition at Buffalo the Pan-American Exposition at Buffalo while the outcomes of the producer of the while the during exposure of the Ayrshires in butter fat to the value of 8134, the Ayrshires in butter of 1814, the in butter fat to the value of \$15.46, the Arrhires excelled them in solids to the extent of \$22.96, and while the Holsteins excelled the Arrhires in solids not fat to the value of \$55.44, the Arrihrese excelled the Arrhires in solids not fat to the value of \$55.44, the Arrihrese extended to the value of \$55.42, all such tests fat to the value of \$12.2 All such tests fat and solids not fat, and is therefore valuable for turning into butter or cheese, and even more valuable as a market milk. In this respect stand transportation as well, if not better, than the milk from some of the other dairy breeds.

dairy breeds.

"C. M. Winslow, Brandon, Vt., says of the Ayrshire cow: "As a dairy cow she is particularly adapted to the production of particularly adapted to the production of milk for the milkman and for table use, as her medium size, vigorous appetite and casy keeping qualities make her an eco-nomical producer, while her even, uniform production makes her a reliable supply, and the richness of her milk in total sol-ide places it above suspicion from city in-der the place of the place of the place of the ed to transportation, as it does no charge of turn sour easily, and when pource ed to transportation, as it does not churn or turn sour easily, and when poured back and forth will not again readily separate, giving it a uniform quality until the last is sold. It has a good body, is rich looking, and never turns blue. The milk itself, being evenly balanced, with casein and butter fat, is a complete food, easily digested, nutritious, and is particularly adapted to invalids and childprought just ended. Pastures were begining to dry up but the recent rains will
ing to dry up but the recent rains will
iskely revive them somewhat. The rains
will also enable farmers to commence
the fall plowing, the land heretofore being
recy hard. Apples were a rather light
rope, except in well attended orchards
they are selling for one dollar a burrel:
b. G.
S.
SORTHERN MANITOBA.
KOIKTHERN MANITOBA.
KILLIOE.—The threshing returns are on
the light side. Oats ar: going only about
value, it is in great demand.

"Many similar testimonials can be given as to the merits of the Ayrahire as a dairy cow would space permit, but the following from the New York Tribune in its account of the Ayrahire athibit of the New York State Fair in 1906, may be motod."

quoted: "The exhibit was the most significant The exhibit was the most significant in the dairy classes. It represented a class of dairy stock that has a place on our dairy farms, a demand not filled by either the Holsteins or Jerseys. Animals our darry farms, a demand not lifted by click the Moldelins or Jerseys. Animals not expable of phenomenal production, and expands of phenomenal production, the moldeling of the

carcases are small but they always give an exceptionally large periodic and exceptionally large and exceptionally large and exceptionally large and exceptionally are always and exception of the late Henry C. Alvord, Chief of the Bureau of Animal Industry. "It is only within a few years that the Ayrahira Associations of Sociland, the Ayrahira Associations of Sociland, the product of the second only a few predictions of the second of consequently we have the records of a comparatively small number of cows, but comparatively small number of cows, but enough to show that the Ayrshire is by enough to show that the Ayrshire is by enture a wonderful dairy cow both in milk and butter production and that it would be an easy matter to produce families of phenomenal cows, adapted to the production of either butter, cheese or production of either butter, cheese or

"The associations have confined themselves to the yearly tests, believing that it is the long period that shows the staying qualities of the bread and the true value of the dairy cow. It is not a hard matter to get a spurt for a week or even a matter to get a spurt for a week or even a matter when the temperature of the staying the staying and work, or several years' work, ciations have confined ther it shows the capacity of the cow.

it shows the capacity of the cow.

"From the official reports at our disposal we find numerous cowe have given
from 10,000 to 12,000 hos of milk, testing
from 2.7 tz 41 per cent. of fat. A large
sumber touch the 500 mark with quite as
sumber touch the 500 mark with quite as
the sumber touch the 500 mark with quite as
the sumber touch the 500 mark with given
from the sum of 500 mark
within the var testine well to 500 he
within the var testine well to 500 he records all the way from 600 to 900 like within the year, testing well on to the 4 per cent. fat mark. I do not wish to take up your space further than to say that in those sections in the United States and Canada where the Ayrshire is the principal dairy cow, we find no objection from the creameries, cheeseries, condenseries, the creameries, cheeseries, condenseries or even from the cities on the score of poor quality. After a wide experience, poor quality. After a wide experience, I commend to the dairymen of Earlville, N. Y., the Ayrshire cow."

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BOOK DEPARTMENT

THE CANADIAN DAIRYMAN AND FARMING WORLD Peterboro, Ont.

MARKET REVIEW AND FORECAST

Toronto, October II. 1982.—The best that is can be said of general trade conditions is in the tide has come, and is slow and prices have an easily arrive. The demand that the turn in the tide has come, and is slow and prices have an easiler tendency that business generally is gradually inproving. The continued mild and open weather is affecting business somewhat, making retailers less annious about securing their regular supply of winter goods. Commercial paper failing dur on the 5th of the month was only fairly proving conditions considerably. Call money rules at about 5 per cent. Seven the some quotations as low as 4½ per cent.

Thesoun trates continue steady at 6 to 7 to affect prices much owing to the good per cent. Several large sized loans are re-demand. Ontario brain is quoted there at biscount rates continue steady at 6 to 7 year cent. Several large sized loans are resorted at 5½ to 6 per cent. on real estate. Generally speaking there has been nuch improvement in the monetary and rade conditions during the past few

trade conditions during the past few months.

WHEAT
While the visible supply of wheat in the United States and Canada continues to increase and is gradually approaching last year's figures at this time, the market at the end of the week had a stronger tone stocks in tirest Britain are considerable to the stocks at the tend of the week had a stronger tone stocks in tirest Britain are considerable in the stocks in tirest britain and there is more active buying for-immediates shipment. There is still a feeling of doubt in European wheat circles as to the future and there is buying for-immediates shipment. There is still a feeling of doubt in European wheat circles as to the future and there is buying the properties are more favorable as to the cropitate are more favorable as to the cropitate of the still a still a feeling of the still a still a feeling of the still a still a feeling of the still a feeling of the foreign time. The still a build in the long period of drought in the American fall wheat better the still a sti

COARSE GRAINS

The oat market generally is on a lower market than last week. At Montreal on Friday there was a brisker demand, with new Ontario oats quoted at 45c to 45c a bushel. Dealers here quote oats at 37c at 35% outside, and 45c to 46c on the farm-

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FARMS FOR SALE

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at Montreal but are not large enough yet as at Montreal but are not large enough yet and a shorts at Sol to \$27,000 and a shorts at \$50 a ton in bags. Manitoba bran is quoted there at \$50 to \$17,000 and shorts at \$50 a ton in bags. Manitoba bran is quoted there at \$21 to \$22 and shorts at \$55 a ton in bags. Manitoba bran is quoted there at \$21 to \$22 and shorts at \$55 Bran is scarce here at \$21 to \$22.50 in car lots in bags outside. There is expected to be more activity in corn shortly when this season's American crop will begin to be marketed. There is little doing in corn here as prices are too high, being 80c to 80% to are lots Toronto and \$5% at Montreal.

There is little doing in seed. Outside quotations are: Alsike, \$6 to \$7.50; timothy, \$1.35 to \$1.75, and red clover, \$5 to \$5.50 a bushel, according to quality.

HAY AND STRAW

The hay market is firmer in tone with prices a little higher. Parmers have stopped marketing hay in large quantities, owing probably to the feed outlook heing less hopeful than it was some weeks back. There is a good local demand which being to see the control of the sale soline weeks being to keep up values and an improved export demand is reported. At Montreal laled hay is about 50e a too higher than a week ago. No. 1 being quoted at \$12.50 and in some cases at \$13, and No. 2 \$12.50 and in some cases at \$13, and No. 2 at \$7 at too in car lots, and baled stream of the control of

Potato arrivals here are increasing and the market is lower at 60c to 65c a bag for Ontarios in car lots. On the farmers' market they sell at 75c to 81 a bag.

The new bean crop is coming on the market in larger quantities. At Montreal jobbing lots have been offered at \$1.90. The market here is easier at \$1.90 for primes and \$2 for hand-picked, dealers

EGGS AND POULTRY

The egg market is firmer and prices are higher and likely to go higher still when the colder weather sets in. Receipts are falling off, and as the demand keeps good prices are on the up grade. At Mon-treal selects are quoted at 26c, No. I at 30c and No. I at 15c in case lots. Here prices are all the second properties are for the second properties of the second pro-teed of the second properties of the second pro-teed of the second properties and the second pro-teed of the second properties are seen as the second pro-teed of the second properties and the second pro-teed of the second properties are seen that the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed of the second properties are seen to the second pro-teed properties are seen to the second pro-teed proteed protection and the second protection are second pro-teed protection and the second protection are second protection and the second protectio the farmers' market here eggs bring 26c to 29c a dozen.

26c to 29c a dozen.

While receipts of poultry are !!berai prices rule steady under a good demand. When cooler weather sets in business will be more active. There is a good demand at Montreal for large chickens for the Jewish trade. Large chickens are quoted and ducks at 11½ (b lb live weight. Local dealers here are paying, live weight, \$c\$ to 6c for spring chickens, 7c to 6c for fowl, 8c to 9c for ducks; old turkeys, 12c to 15c, and young turkeys, 12c to 15c, and young turkeys, 16c to 15c and young turkeys, 16c to 15c and young turkeys, 16c to 15c, and young turkeys, 16c to 15c, and young turkeys, 26c to 15c and young turkeys, 26c to 15c and young turkeys, 26c to 15c, and young turkeys, 26c to 25c a lb. FRUIT FRUIT

FRUIT

RADERS BANK

of Canada

Do Your Banking By Mail if you live far out of town, and save yourself long

drives and much inconvenience. You can open an account—deposit or withdraw money—discount notes—arrange for collections—or do any ordinary ousiness with this Bank by Mail— with safety and dispatch

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and \$1.50 to \$2 for less desirable lots. On Toronto fruit market apples are quoted at \$1.25 to \$2.50 a bbl. This market will soon close down for the season. Grapes are the only fruit arriving and the season for these is about over. They are quoted at 15c to 35c a basket.

DAIRY PRODUCTS

DAIRY PRODUCTS
The cheese market is lower and prices at the local boards are from 1-t to % of a cent a lb lower than a week ago, the ruling prices last week being 12c to 12 te. with some small lost of colored control of the control

The butter market in contrast with cheese continues on the up grade and higher values are looked for this week. Some shipment of Canadian remarky were made last week to England, the bulk being purchased early in the season on English account. However, as high as 126s 6d was made over the cable last week, which is equal to 25 1-de at Montreal. When the season on English account. However, as high as 126s 6d was made over the cable last week, which is equal to 25 1-de at Montreal. He week are sure that the season of t 26c a 1b

UNION STOCK YARDS HORSE EXCHANGE

The general horse situation shows little change. There was a little better buying at the Horse Skehange Union Stock Yards during the week but quotations are no higher, remaining at about 1856 to \$200 cm of the control of the contro

LIVE STOCK

There has been a better tone in the cattle market during the week. There is a
scarcity of choice cattle and butchers
find it difficult to get enough of this
find it difficult to get enough of this
too many of the fire needs. There are
too many of the fire needs to be
that should be kept on the feed lots a
few weeks longer. They have to be sold
at a low price and dealers refuse to buy
them if they can get anything else. In
some cases dealers state that they have
sufficiently the them of the common stuff is worth for the hard this common
stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the hard the common stuff is worth for the stuff is worth paid a good deal more than this common stuff is worth for the very reason that they could not get anything else, and their customers had to be supplied with meat of some kind. A poor beast will not bill out as well as a good tidy butcher's alimal. Where the latter will bill out alimal. Where the latter will bill out alimal. Where the latter will bill out alimate the stuff of the latter will be the latter will reason to the latter will be the latter by the latter will be the latter will be the latter by the latter will be the latter will be the latter by the latter will be the latter will be the latter will be the latter by the latter will be the latte

There are few exports steers offering, and exporters are finding it difficult to secure enough of good shipping quality to make up full loads. Quotations show lit-

and \$1.50 to \$2 for less desirable lots. On \$4.25 a cwt., the bulk offering are of the Toronto fruit market apples are quoted at inferior kind, and sell for less than \$4 a

If the cattle were good enough buyers If the cattle were good enough buyers would freely pay 85 a cwt for choice butcher's stuff. But it is not offering and consequently lower quotations are the rule. On Thursday, the last market of the week, quotations were \$3.75 to \$4.75 for cows, and canners and bulks \$1 to \$2.20 a cwt.

and canners and bulls, \$1 to \$2.50 a cwt.
There is a fair demand for feeders at \$80 to 900 lbs each, of good quality, but the bulk offering are of inferior grade Common stockers are plentiful and hard to sell at any price. There was considerable domand during the week for eatiest of distillative feeding and some eatile for distillative feeding and some cattle for distillative feeding and some cattle best feeders, \$90 to 1569 be each, are quoted at \$3.50 to \$3.50; best feeders, \$60 to \$90 be each, at \$10 to \$3.50; best stockers, \$60 to \$60 the each, are \$10.50 best \$1.50; best

to 700 lbs each, at \$2 to \$2.25 a cwt.

There was a big trade in milch cows
during the week. The quality of the offering was a little better than usual, the
bulk selling at about \$50 each. Quotations
range from \$30 to \$70 each the latter
being paid for a few extra choice ones
during the week.

Receipts of calves during the week have been light and prices are firmer for good quality, ranging from 83 for inferior to \$6.50 a cwt. for good choice quality, Ex-tra choice new milk fed calves are worth \$7 a cwt but there are few of them of-

fering.

Though receipts of lambs have ruled large the market is firmer and prices, if anything, a little higher, ranging from \$4.25 to \$5 a cwt, the latter figure for choice quality wethers and ewes. Export even are quioted at \$4.25 to \$5.20 and rams at \$2.25 to \$2 a cwt. At Buffalo Canada lambs are quoted at \$6.50 a cwt.

lambs are quoted at \$6.50 a cert.

The hog market continues on the downward grade. Quotations on the market here last week were \$6.40 for selects, and \$6.15 for lights, with prospects for an easier market next week. The Buffalo market is quoted lower at \$6.50 to \$6.50 for heavy: \$6.50 to \$6.50 for next \$6.50 to \$6.50 for heavy: \$6.50 to \$6.50 for next \$6.50 to \$6.50 for heavy: \$6.50 to \$6.50 for mixed: \$5.75 for heavy: \$6.50 to \$6.50 for roughs, and \$6.75 to \$6.50 for dairies and grasseers. The bacon market is quoted weak. The Trade Bulletin's London cable of Cotober 8th reads thus: "The market is weak at a further the continue of the property of the continues of the property of the prope



P.B.F., 123 Me

UNION STOCK YARDS PRICES

West Toronto, Oct. 18—The run at the Union Stock Yards today was 65 care made up of 1350 cattle, 468 sheep, 83 hogs and 39 calves. The general trade was about the same, as last week. Ex-porters were a little slow, the highest price reported was \$4.55, though choice the property of the control of the control of the bulk sold at \$4.75 a. cwt. The butcher's trade was brisk, some control residence bulk sold at \$4.75 a cwt. The butcher's trade was brisk, some apporters being bought for this trade; choice butcher's sold at \$4.75 to \$5.00, but the bulk sold at \$4.75 to \$5.00, but the bulk sold at \$4.75 to \$5.00, but the bulk sold at \$4.75 to \$5.00 for came, at \$5.10 for came and \$4.40 to \$4.75 a cwt for lambs. Hogs are lower. Drovers state that packers are endeavoring to get the price down to \$6.40 cmt. fo. b.—2.4. W. M.

THIS WEEK'S HOG PRICES

The William Davies Co., Toronto, will buy this week for hogs 86.15 f.o.b. at ountry points. Increased Danish killcountry points. ings continue to affect the market, and as ings continue to affect the market, and as hogs now purchased will reach the English market when the game and poultry season is on, packers are preparing for the usual drop in prices at that time Generally the situation looks good for profitable prices for hogs the coming win-

PETERBORO HOG MARKET

PETERBORO HOG MARKET
Peterboro, Ont., October 1: 1968. — T.ze
deliveries of hogs, thouch a little lighter
than last week are still featily heavy, and
market also is steady. There were 25,000
Danish hos slaughtered last week. The
George Matthews Co quote the following
prices for this week's silmpental fo.b.
abattor, \$85.50. weighed off care, \$8.50.
MenoryReal, Hog Market?

MONTREAL HOG MARKET

Montreal, Saturday, October 10.—There is no change in the prices for live hogs as compared with last week, although there is a decidedly easy tendency to the market. Sales of selected lots of live hogs weighed off cars were made at \$7 a cwt, with other grades down to \$6.50.

Prices have been reduced on dressed hogs and they have been selling this week at 89.75 to \$10 a cwt, with only a fair passing trade.

EXPORT BUTTER AND CHEESE

Montreal, Saturday, October 10.—The demand for cheese this week has been quiet and prices have been deeddedly easy and somewhat lower than last week. The country markets this week have ruled from 120 to 12 i-te, the bulk of the offerings selling at the even money. Even at the lower range there was no disposition shown to buy and there is every likeli-hood of prices going still lower next

week.

The stock of cheese in all positions is
large and the grand total shows an inlarge and the grand total shows an increase over last year in spite of the fact
that our make has been considerably
smaller, and this all goes to show that
there is not the same quantity of Canadian cheese being consumed in Great

dian cheese being consumed in Great Britain as last year.

The receipts this week show a big fall-ing off from last week but it is not at all behind last year's, showing that the make this fall in spite of the dry weather is fully equal to last year.

The shipments have been heavy, aggre-The shipments have been heavy, aggre-

gating almost 100,000 boxes, which will help to reduce the stock here considera-

The export of butter is rapidly drawing to a close for this season. Over two thousand boxes were shipped this week, but these consist largely of butters that have been sold for some time and held here for English account.

here for English account. Country markets this week have ruled from 26% to 25c, and have not been as firm as last week, when prices averaged a quinter of a cent a 1b higher. The trade is entirely for local requirements, and at the price a very satisfactory amount of business is passing.

MONTREAL PRODUCE TRADE

Montreal, Saturday, October 10.—Butter.
—The trade in butter is fair. There has been no change in prices from last week which remain at 26- to 26% for prints, and ½6 less for solids. Ordinary finest is selling at 25 12e and seconds at 25% to 25c. Dairy butter is selling at 22c to 25c. Dairy butter is selling at 22c to 25c.

Quotations range from 12%c to 14c accord ing to quality.

ing to quality.

Eggs.—The egg market is steady and unchanged with a good demand from grocers and dealers at 2½ for selects and 20c to 21c for No. 1 stock, and 17c to 18c for No. 2.

HOLSTEIN FRIESIAN NEWS

The Canadian Dairyman and Farming World is the official organ of The Canadian Hoistein-Friesian Association, all of whose members are readers of the paper. Members of the Association are invited to send items of interest to Holstein breeders for publication in this column.

E. A. Whitford, of Adams Centre. N. Y., makes known the following statistics con-cerning his dairy of Holsteins for the year 1997. The farm comprises 80 acres, and there were 21 cows in the herd until October when three were sold.

tober when three were sold. Four of the 21 were farrow. The figures follow: Number of pounds of milk, 147.27; average price per hundred pounds, 81.27 1-5; daily yield of milk for the pear, 805 pounds; catyes sold when three days old 859.65; average income per cow, calling 21 for the entire herd, 892.86.

is506; average income per cow, calling at for the entire herd, \$92.36.
Included in the datary is a six-year-old cow, is51 Rolestein, which freshened of cow, is51 Rolestein, which freshened here in the control of the

Cheese Board Prices

BOARD	Date	WHITE CHEESE			COLORED CHEESE		
	of Meet'g	Boarded	Lowest Price	Highest Price	Boarded	Lowest Price	Highest Price
Lindsay Madoe Stirling Woodstock Alexandria Belleville Brockville Rosesil Vankleek Hill Winchester Cornwall Iroquois Napanee	" 6 " 7 " 8 " 8 " 8 " 8 " 8 " 8 " 9 " 9 " 9 " 9	784 430 710 1,250 540 2,630 1,400 772 292 1,041 434 606	12½ 12 12	12 3-16 12 1-16 3-16 12½ 12½ 12½ 12½ 12½ 12½ 12½ 12 12 12	1,710 118 1,400 488 108 244 450 438	12	12½ 12½ 12½ 12½ 12½ 12½
Ottawa Perth Picton Listowel	" 9 " 9	255 900 3,316	12 bid	12 12	438 437 200 1,568		121 12 121 121

GOSSIP

James Bowman of Guelph, Ont., the well known breeder of Polled Angus cattle, has recently purchased in England a yearling bull that was a winner at the royal show in England. This is one of the best bulle of the breed that has ever been imported into Canada and should prove a great strength to Mr. Bowman's herd.

AYRSHIRE RECORDS OF MILK AND FAT AYESHIRE RECORDS OF MILK AND FAT Following close on the phenomenal record of the Ayrahire cow "Rena Ross." owned by John R. Valentine, Bryn Mawr. Be., with a record of 15.072 lbs. milk, and the splendid record of the four year old cow, "Bessie of Rosemont," (17964,) owned by George II. McFadden, also of Bryn Mawr, Pa. U. S. A., with 14.02 lbs. of Bryn Mawr, Pa. U. S. A., with 14.02 lbs. of Bryn Mawr, Pa. U. S. A. with 14.02 lbs. of Bryn Mawr, Pa. U. S. A. with 14.02 lbs. of Bryn Mawr, Pa. U. S. A. with 14.02 lbs. of States, Scotland or Clanada. Her weight sabout 100 lbs. and she is a fine representation of the states of the sabout 100 lbs. and she is a fine representation of the sabout 100 lbs

is about 100 lbs. and she is a fine representative of the breed.

Across the water they are making some grand teats with the Sooth Arythire all-contents of the source of

AYRSHIRES

NEIDPATH AYRSHIRES Bull Calves dropped this spring. By imported Bull. First prize Toronto, Ottawa, and Halifax. Long distance phone e-4-09 W. W BALLANTYNE, Stratford, Ont.

AVRSHIRES AND PONIES A few bull calves of 1906, and a fine pair of young light bay imported Shetland mares for sale. P. A. BEAUDOIN, 107 St. James St., Montreal. 0-6-2:60

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

ROBT. HUNTER & SONS

Maxville, Ont. E 6-23-09 ong distance phone.

Ayrshires on Ste. Marguerite Farm Ayranires on Site, Marguerite Parm have been selected from the best milking strains in Scotland, are large showy ani-mals, with great milking shilty. A onna-ber of young bulls for sale ranging from 2 years to several months. Also Tam-worth-pigs and Shropshire Sheep, Write for prices. A. GOUIN, Proprietor, E-18-98 Three Rivers, Que.

HUME FARM AYRSHIRES

Our 1908 importation has landed, consisting females, 3 year olds, yearlings and calves; built yearlings and calves, Dam second up to 110 yearlings and calves. Dam second up to 110 yearlings and period of Merit cows and others. Female any desired age, either imp. or home-bread. Con and see our herd. Phone in residence. Hoard Station, G.T.B.

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



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J. N. Greenshields, Proprietor, J. C. Harkness, Mgr DANVILLE, QUF, e-q-29-09

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MANAGER, Fairview Farm, Lumsden's Mills, P. Q. 0 9-1-09 Lumsden's Mills, F.

Also Yorkshire Swine from imported

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Harold M. Morgan, prop., Ste. Anne de Bellevue. Cholce young Ayrehire Bulls and helters for sale. Yorkshire pigs from Imported Sires and Dams, February and March litters. Largest selection. High-est quality. Write for prices.

E 5-25-09 E. W. BJORKELAND, Manager.

HOLSTEINS

FOR SALE.—One Holstein Bull, eighteen months old, of DeKol and Mercedes breeding. SAMUEL LEMON, 0-4-09

Springbrook Holsteins and Tamworths 32 Choice young Tamworths, from imported sows ringbrook Holsteins and Tamworths Choice young Tamworths, from imported sows sired by imported Knowel King David. A few bred Holstein bulls and several females. Bar-ns to quick buyers. A. C. HALLMAN, E-5-11-09 Breslau, Ont.



HOLSTEINS

I have only three sons of Brightest anary to offer for sale. Speak quick you want one. SANGSTER

GORDON H. MANHARD Manhard P.O., Leeds Co., Ont. E-5-5-09

ORMSTOWN, QUE.



NEIL

Breeder of Holstein - Friesian Cattle of high-ciass merit. Young stock of both sexes for sale Write for prices. O-4-28-09

SUNNYDALE HOLSTEINS

FOR SALE—richly bred bulk Keyen DeKol No. 4013 Vol. 9. Dam, Helena Dev of 5 DeKol, with 4013 Vol. 9. Dam, Helena Dev of 5 DeKol, with 4013 Vol. 9. Dam, Helena Dev of 5 DeKol, with 4014 Vol. 8114 Vol. 9. Dam, Hagle Keyes, in American advanced register, with precord of 2014 lbs. in dys. Dam is half sister to Hengerveld DeKol and Paternion bulls of the breed. He is 5 years old. kind and right every way, Sile 10 3 years old. champion bulls of the breed. He is 3 years old, kind and right every way, \$100. e-4-28-09 A. D. FOSTER, Bloomfield, Ont.

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MISCELLANEOUS

BARTLETT

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A. P. WESTERVELT, Secretary, Toronto





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