

DANADIAN GOUNTRY LIFE

# He Didn't Blame the Cows

He was one of these men who look for a reason for everything. When the cheese factory closed, and he started using a separator and sending his cream to the nearest butter factory, his pay cheques were not as large as he thought they should be. He investigated. His cows were milking well. He was getting a good price for his cream. Evidently he was not getting all of the cream. He decided to get a new separator. What make should he buy?

After looking carefully into the merits of a number of machines.

# He Bought a SIMPLEX

He was delighted with the results. The size of his pay cheques increased. His new separator turned easier than any other separator he had ever handled. He was never troubled with the bowl getting out of balance, because it was fitted with the SELF-BALANCING BOWL, an exclusive feature of the "Simplex" Separators. His wife was delighted, too. The new separator could be washed in half the time it took to wash the old one.

When buying a separator, be sure that you get a "Simplex." Have one sent you for a month's free trial, and prove for yourself that it is the best machine made. Write for our illustrated booklet.



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WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS



### Some July Contrasts

at the Dairy Division, Ottawa, from

On the milk record sheets received at the Dairy Division, Ottawa, from members of cow testing associations there are found some good yields of nilk and butter fat for July. In the Bertie, Ont., association one cow task freshened in May gave 1,320 pounds of milk, testing 4 per cent, herd of 17 cows at Glanworth, Ott., has an average of 920 pounds of milk, the herd including 5 two-year-olds. Some cows in this herd have given 4,840 pounds of milk in 4 months. At Gasel, Ont., 183 cows average 855 pounds of milk, 3.6 test, 28.3 pounds of fat. The records of many individ-ual cows in these and other associa-tion show a yield of barely 650 pounds of milk and 22 pounds of fat, or less than half on many good yields. Dairy farmers, it is not difficult for you to make three very simple do-trasts. First, there are plenty of cows still buigs kept for milk pri-duction that are not worthy the name of duiry cews. Second: scores of dairy

duction that are not worthy the name of dairy ccws. Second : scores of dairy farmers are getting excellent record from selected herds. Third: record Third : records alone do not increase the yield of milk and butter, there must be intelligent selection of good cows based on the lessons that individual records teach. -C.F.W.

## Don't Dog The Dairy Cow

Editer, Farm and Dairy.-The old saw that there are two sides to a quesas that there are two ides to a ques-tion again becomes evident in the short article by Mr. John Steel, of Lamark Go., Ont., in Farm and Dairy, Aug. 11. There are dogs and dogs. My experience has been that it is highly doubful, even with the best dogs, whether or not it is advis-able to take them near the cows at all. With the average deg, and it is surprising how many must be classified as such, or enter a lower classified as such, or enter loss every time they are used to bring the cows from the pasture. As Mr. Steel rightly contends it is most trying on one's patience to

most trying on one's patience to bring cows out of the pasture, especi-ally in the early mcrning when each ally in the early merning when one requires to be escorted individu-ally while all the time she is trying ally while all the morning meal. A ally while all the time she is trying to make out her morning meal. A man armed with a good long whip, however, can bring them to their senses, and while it may take a little longer to get the coves than with the dog, they will invariably give more milk to amply repay any extra time spent in thus bringing them from the meture. asture

I should like to hear what has been the experience of other Farm and Dairy readers upon this matter of dogging cows from the pasture.— T. R. James, Middlesex Co., Ontario.

### **Cobourg Summer Horse Show**

The Sixth Annual Cobourg Summer Horse Show held last week was again a marked success in spite of the un-favorable weather encountered on two aves of the show. Much interest was evinced by local people as well as by many from a distance who flocked into the lakeside town of Cobourg to witness the performance and see the indging of many of the best horses that can be found anywhere. In ad-dition to the horses shown by the larger exhibitors, many local animals greatly encouraged. Each afternoon of the four days of

Each atternoon of the four days of the show the many events of the pro-gram were run off with clock-like pre-cision. Visitors to the shew, in this needed numbers are fine.—Allan Dick, way, were well entertained through Ontario Ce. Ont.

### August 25, 1910.

out all the events. Credit is due the

Some July Contrasts On the milk record sheets received t the Dairy Division, Ottawa, from embers of cow testing association here are found some good yields or lik and butter fat for July. In the Bertie, Ont., association by the second state of the details owntant frashemed in May gave 1,329 owntas of milk, testing 4 per cent at, equal to 22.8 pounds of fat. One, are an average of 926 pounds of milk, he herd including 5 two-year-olds ome cows in this herd have gives ,840 pounds of milk in 4 months. At most, Belleville; Grow & Murray, To-ronto, Jr. Borland Smith, Choourg; Hon. Robt. Beith, Gowmanville; T. H. Hasard, Markham; The Jungannon

Hon. Robt. Beith, Bowmanville; T. H. Hassard, Marikhan; The Dungannon and the Pontiae Stock Farms, both of Cebourg and many others. Mr. Stratton's high stepping horses, the jumpers shown by Hon. Clif-ferd Sifton and Mr. Aemilius Jar-vis as well as the ponies shown by Mr. Wilmot, were subjects of much far-orable commons. Thick invality and combine commons. Thick invality and the second state of the were a distinct credit to the horse breeding netrests of the local and adjoining counties.

### Apple Growers Organize

Apple Growers Organize Representative fruit-growers of the united counties of Northumberland and Durham met in Coherup last week and perfected the organization of the Apple-grower's Association of North-umberland and Durham. The following officers were elected: W. H. Gibson, Newcastle, President; W. H. Denpsey, Trenton, Sceretary, and Thomas Mentague, Newcastle, Treasurer: these with five others con-

Treasurer; these with five others con stitute the Executive Committee. Thi stitute the Executive Committee. This district is regarded as the very haspt of the heat apple producing area in the world, and this association has been formed with the dominating idea of establishing its position for exhibi-tion producing and commercial pur-poses. It is one pro-ducing the second state of the second distribution of the second state of the second distribution of the second state of the second posed to utilize and improve them.

### **Items of Interest**

The Dairy and Cold Storage Branch of the Department will have an In-formaticn Bureau in the dairy build-ing of the Toronto International Ex-bibition Information will be given ing of the foronto international Ex-hibition. Information will be given on cow testing, ccol curing of cheese and so forth. All interested are cor-dially invited to call.

The Fifth Dry Farming Congress will be held in Spokane, Washington, U. S. A., from Oct. 3-6. It will be U. S. A., from Oct. 3-6. It will be purely an agricultural congress. Pro-blems relative to farming on dry land will be thoroughly discussed by the world's best agriculturists. Legislation relating to irrigation will also ho dis

In the death of Prof. J. A. Craig, America has lost one of its best au-thorities on all matters pertaining to live stock. Professor Craig was a nalive stock. Professor Craig was a na-tive of Russell Co., Ont., and was one of the members of the first graduat-ing class of the Ontario Agricultural Collego. He has been connected with agricultural work in many parts of the States and Ganada, and his beek m 'Live States and canada, and his beek the best that has ever been written on the arbitet. the subject.

The commissioner of the Cold Stor-age Branch, J. A. Ruddick, reports that the demand for cows is unpre-cedented this year. As high as \$100 has been paid for well-graded cows. larger exhibitors, many local animats contained has been paid for well-graded cows, sorned in the adjoining counties were has been paid for well-graded cows, show has several clauses poen only to States continues from Southern Que-the local counties of Northumherland, bec, along the St. Lawrence River, and Durham, Prince Edward, Hastinga, frou Western Ontario. Practically all fectories within driving distance of there-by local exhibits by amateurs are skimming the milk and selling the cream.

### Issu Each Y

Vol. XX

How Cows

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Vol. XXIX.

RURAL HOME FOR WEEK ENDING AUGUST 25, 1910.

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a Year

# THE FEED AND MANAGEMENT OF A HIGHLY PRODUCTIVE DAIRY HERD\* Edmund Laidlaw & Sons, Elgin Co., Ont.

### How Cows are Cared for on a Prize Farm. A Remarkable Record Secured from an Old Cow. Secret of Handline Cows to Get the Best Results. Profit Derived from High Feeding. The

WE try to give the cows in our herd if possible from six te eight weeks' rest before freshening. We do not expect them to live this length of time on straw. If a cow ever wants good wholesome food it is while she is dry. She has her progeny to support and also to recruit the energy expended in her last year of work and to get ready for the coming year. We do not mean that she should have a lot of heavy grain; but she should have a small ration of five to eight lbs. a day of bran and oats, equal parts, with a little oil cake, until she comes near freshening. Then we would give her mostly bran until she has gotten straightened up after calving. This ration with a good ensilage and clover or alfalfa hay will put the cow in good shape for the work of the following year.

### FEEDING THE FRESH COW

After the cow has straightened up ready for work we would increase her grain ration up to from 12 to 18 lbs. a day according to the cow's capacity. A man who starves his cow six or eight months of the year cannot afford to feed like this at any time. We always make the cows clean their mangers of ensilage and hay. If one leaves a little we give her a little less next time.

We hear on every side that it does not pay to feed as we have mentioned. This last fall we had the four-year-old cow Molly of Beyham, third under official test, eating all she could digest. We thought this a good opportunity to see whether or not it paid to feed as we had a man here to see what we were doing. In two months we fed her 1,240 lbs. mixed grain at \$1.26 a cwt. Taking her ensilage, roots and hay as they figure it at Guelph, it cost \$24 to feed her

### HEAVY FEEDING PROFITABLE

This is a lot of money in the eyes of many men. We will see what she gave us in return. The 5,025 lbs. of milk which she gave sold at the Aylmer Condenser for \$72.86, leaving a net profit of \$48.86. This is only an illustration of what can be done with a little care and feed, fed in proper quantities and at the proper time.

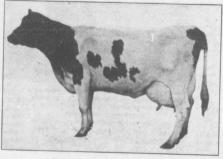
The best way to determine whether or not it pays to feed is to weigh the milk from each and every cow at every milking and keep a record of the same. At the end of the year the feeder

"This article is part of an emay prepared by Mr. Laidlaw, as recuired of him by the rules of the Datry Perma Competition in which competition Mr. Laidlaw's form secured a high standing lost vear. Part of this cases appeared in Parm and Dairy last week. Another mart illustrated by one of his grade coses, which sold for side by public auction hast spring, will appear in the Third Annual Exhibition. Number of Parm and Dairy naw web.

will know where he is at. When the only grade cew that we now have on the farm was in her prime (five years old) we decided to weigh her milk for the season. She was the best cow in the herd. We fed her fairly well and she gave 9,001 lbs, milk in 10 months. We thought this was a great record when we heard about the cows in Ontario averaging from 2,000 to 3,000 lbs. of milk in the season.

## AN INCREASE FROM GOOD FEED

We started to take better care of our cows, and in her 15th year this same cow gave us 13,155 lbs. of milk in 10 months, giving in one day, 77% lbs. of milk. At her prime she never reached 60 lbs. in a day. When this cow was



A Fifteen Year Old Cow with a Remarkable Record

During her time, the grade Holstein cow illustrated, which is owned by Ed-mund Laidlaw & Sons, Elgin Co., gave 5001 pounds milk in 10 months. This has considered to be a great record. Since them, Mr. Laidlaw has become con-solution of the state of the state of the state of the state of the feeding, in her fifted better feed for his dairy cows. As a result of better feeding, in her fifted better feed for his dairy cows. As a result of better feeding, in her fifted better feed for his dairy cows. As a result of better feeding, in her fifted better feed for his dairy cows produced 13.56 pounds of milk in 10 curtus. Read in the art, his as more cow produced 13.56 pounds of milk his cows, and become convinced that it says to feed.

young a neighbor told us she would not last to be over 10 years of age. She looks like a fiveyear-old yet. Does it pay to feed?

Of course the rations we have been talking about in this article are winter rations. In the flush of the grass we do not recommend feeding so heavy. However, we like to feed a little grain the whole season through, the amount varying according to the milk each cow is giving. It holds their flesh to tide them over a dry spell.

Water is as necessary to the dairy cow as it is to all other animals. The water should be where she can get it whenever she wants it. We have water basins in front of all the cattle and have often noticed the cows teach over and take a drink while they are eating. They never miss taking a drink when through eating at night. If they had to be turned out to a trough to

drink they would not get their evening drinks. We had an incident come under our notice regarding the water question which we will mention. The man who bought the four best cows at our sale in March, 1910, on taking them home found that they did not come up to his expectations. On looking into the matter we found that he had no water system. He said the cows would net drink and consequently would not feed well. We told him that they had been used to having the water in front of them and they missed it. As soon as they went to pasture where they could get water whenever they wanted it two of them went up higher in milk than they ever did with us. It has been a great object lesson to him.

Another necessity is plenty of salt. Keep it in a bex where the cows can get at it in summer. Put it in their feed when in the stable

Cows cared for in the way we have outlined that do not prove good should go to the butcher, and the quicker the better. The only way to

find out which ones they are is by the use of the Babcock tester and scales. The dairy business is improving, but the average of the dairy cows in Canada should at least reach two and a half to three times what it is at present. To show you that we practise what we preach we may say that at every milking the milk from the individual cows is weighed and recorded so that we know what we are doing.

NO SECRET IN LARGE RECORDS

Peeple in general think that large records are made by some secret process. On the contrary there is nothing more to it than merely what we have mentioned. Our grade cow Victoria, milked twice a day, did not give 811/2 lbs. milk a day and 16,500 lbs. in 10 months by a secret way of handling. Neither did she give it without feed. It was just a case of good care in the way we have cutlined. The sires we have used have all been good ones, and the consequence is we have not get a rough animal in the stable. All are good ones at the pail.

The dam of our first bull gave 14,000 lbs, of milk in the 10 months and was a first prize winner at Toronto. The next sire was Schuiling de Kcl, who was also a first prize winner at Toronto, London and Ottawa and whose dam was a first prize winner in the dairy test at Guelph. The next was Lord Roberts De Kol whose dam made 18.28 lbs. butter in seven days as a three-year-old and whose sire was also the sire of Tidy Pauline De Kel whose seven day A.R.O. record was 28.44 lbs. of butter. The present stock bull is Dutchland Colantha Sir Abekerk, whose dam's record is 28.44 lbs. butter in seven days and whose sire's dam is Colantha 4th's Johanna, 35.22 lbs. butter in seven days; 138.54 in 30 days and who holds the world's record for the year with 1,247.82 lbs. of butter and 27,432.50 lbs. of milk.

# The Use of Manure

M. F. Millar, University of Missouri.

The farmer should appreciate more fully the value of manure and of proper methods of handling it. He should figure it as worth at least two dollars a ton and he should get that amount, or in many cases much more than that out of it by proper handling. Just how it shall be handled will depend upon conditions. The best method where cattle are fed ir barns, sheds or lots, is to haul the manure to the fields day by day or week by week as it is made. There is the least less in handling it in this way, although this plan is not always feasible.

The next best plan is to feed under an open shed where the manure may accumulate and where it will be kept tramped down compactly by the animals. Under such a plan it will be kept sufficiently compact and moist to prevent rapid fermentation, and next to handing to the fields as made, this is the plan which gives the least loss of fertilizing constituents. One of the cheapest plans is to feed directly back on the fields but too often in this case the feeding is done on some hillside where washing and leaching constituents contained or the cattle are fed in some sheltered wood lot where the manure is lost to the fields.

THE SPREADER SAVES MANURS

In this connection it should be said that a manure spreader will pay on the average farm of 100 acres or over, and where much stock is kept it will pay handsome returns on farms of much smaller size. Most men think that the value of a manure spreader lies in the saving of labor, and while this is an important reason for its use, it is not the only one. A reason that is as important, or even more important, is the fact that manure put on evenly and rather lightly over a large area will give larger returns per ton of manure applied than the same manure put on heavily and irregularly over a smaller area. This difference in return will frequently pay for the spreader in a single season. There is one other reason why a man should own a spreader and this is that when he has his money invested in such an implement he will almost invariably take better care of the farm manure.

### Prepare the Foal for Weaning L. C. Shaw, Kent Co., N.B.

A colt should be so fed for several weeks before weaning that it will not be seriously affected by the loss of its mother's milk. The secret of vigorous from the time they are born. This cannot be done by making them depend altogether on poor pasture and what nourishment they can get from their mother's milk right up to the time of weaning. It is such care as this that produces the small, potbellice, eveneked colts which we see on too many farms in the fall of the year. A foal properly cared for will not seriously feel the loss of its mother's milk.

As soon as the foal is large enough it should be taught to est grain. If the mare is fed grain in addition to the pasture the young thing will soon be seen nibbling the grain from the same box. If the pasture is poor it is desirable to make special provision for graining the feal. Some breeders who wish to push the feals along provide a small paddeck in the corner of the field. The mares are allowed to est grain in this paddeck at first to accustom the feals to eating there. Bars are then arranged so that the feal can get under but not the mother. Oats and tran can be fed in troughs in this enclosure. The feals will soon get in the habit of visiting this enclosure regularly.

When weaning time comes, which is at five or six months old, the colt should be eating a reguFARM AND DAIRY

lar grain ration two or three times a day. This will provide sufficient nourishment to keep the cold growing when deprived of the mother's milk. If the colt has been running with its mother all the time up to weaning it should be feed four or free times a day when weaned as it is used to frequent feeding from its mother. Weaning time is one of the most difficult periods in the life of a foal. Ne great difficult will be experienced in bridging this period, however, if it has been properly caref for beforehand.

## Principles of Soil and Cultivation

A. D. McIntosh, B.S.A., Hastings Co., Ont. Soil has been described as the cemetery of all ages and the resurrection of all life. All things begin with the soil and at last all things return to it. Many agencies are continually acting upen the soil making possible the growth and development of plant and animal life; there are the heat and light of the sun, the frost and snow, the rain and wind, the floods of spring, the earthworms, the action of countless microscopic organisms, the decay of plants and animals, and se forth. Man calls on nature to assist him with all these agencies, and gives her an extra chance by exposing the soil frequently with plough and cultivator.

Soil is not plant food. It is the place where plants grow. It holds the plant firmly in one place and furnishes the material that is left in the ash when the plant is burned. It also furnishes the water to carry this material in solution to the leaves of the plant where the plant food is manufactured and stored in root, stem, fruit or . seed according to the nature of the plant. Without the sunlight and heat there could be no green in the leaf of the plant. The energy furnished to the scil by the sun is so enormous that it seems incredible. By cultivation, man takes advantage of this energy and stores it up till such times as he wants to produce a crop. Soil being opaque, however, it is not enough to merely turn the ground over occasionally. Only thorough cultivation gives the soil the best chance to store energy. If a man were to get electric power for nothing he would think he had a bonanza, but when Nature lavishes her free will offerings of countless horsepowers of energy to produce his crops he is too often indifferent about connecting up the power te his machinery so as to get the full benefit. AFTER-HARVEST CULTIVATION

Early after harvest shallow cultivation can be done at a time when there is plenty of moiature, plenty of heat and an abundance of light to cause a ready and rapid growth of countless weed seeds that have found their way into the soil. Not to mention the inestimable value of the conservation of moisture, there is a great deal of energy stored up in the soil, a great deal of soluble plant food made available, a great deal of humus mixed in, and a great deal of anxiety discelled when the crop is sown in the spring.

The Ontario farmer who is blessed with a sufficient annual rain-fall to produce a crop does not so fully appreciate the benefits of a great deal of shallow cultivation, as does the Western farmer on the arid plains where it requires two years' rainfall to produce a crop; and where the farmer cultivates one-half his land for the whole dry season to conserve the rain-fall of the year while the other half of his farm is producing him a crop. We, in Ontario, are fast coming to recognize the fact that while nature bestows on us an abundant rain-fall, there must Le something done here as well as in the West if we are to get satisfactory crops. The land must be kept loose and friable; the sunlight must get in; the moisture must be conserved; the weeds must be held in check. Early after harvest, shallow and continuous cultivation gces a long way towards filling the bill without the loss of a crop for a year.

August 25, 1910.

### Finishing the Market Hog E. F. Eaton, Colchester Co., N.S.

The rate and economy of the gains made in the final feeding of the market hog will depend on the way it has been fed during the previous three or four months and the age and weight of the heg. Hogs which have been kept on parture with enough grain feed to keep them growing and vigorous are in ideal condition to make rapid and economical gains. The green feed and exercise give the pig a good hearty appetite. Its digestive organs have been shown by actual experiment to be larger and stronger than are those of the pigs fed grain only. The feeding of green feeds, as rape, in the peas, have the same effect on the digestive system though to a lesser extent. YOUND FIG GAIN FARTER

Another factor which has a large influence on fattening is the weight and age of the hog. We have found that when hogs get to be eight or nine months cld and weigh 250 to 300 lbs., it takes considerably more grain to produce gain in weight than it would to get the same gain at five or six months. We aim to have our hogs marketed when six months old. They then weigh from 170 te 190 lbs. each.

For the final feeding which hasts about four or five weeks the pigs are confined in their pens with a small yard to exercise in. Too much excreise is not conducive to economical gains. The green feed is gradually reduced and the grain increased. At the end of two weeks we have them on full feed. A little rape or green oats is still feed once a day to keep their digostive organs in shape. This green feed also produces a firmer baeon than is straight grain ration.

### DIRECTIONS FOR FEEDING

For grain we use a mixture or shorts and cornmeal, equal parts. This mixture, with us, gives better results than either fed alone. Occasionally we feed ground oats but they are not eccnomical, as whole oats can always be sold for 45 cents a bushel on our local market. The meal is fed three times daily in the form of a thick slop. Sometimes skim milk is used to mix the feed with, but more usually water. I cannet give any set rules as to the amount of slop to feed. It varies greatly with different bunches of hogs. Feed just as much as they will eat up greedily but no more.

The time the hogs are making the money for us is when they are on pasture or when hurdled on rape. It costs almost as much te put on the added weight in finishing as it is worth. The profit for the final operations comes in the increased value of the whole weight of the hog. If the hog weighs 150 Hs. when we start to feed him and the pork is worth one and a half cents more as a result of finishing we have a profit of \$2.25 for our work in finishing.

# The Work Horse in Warm Weather

G. H. Blair, Carleton Co., Ont.

Working on the field during this hot and dry weather causes the horses to perspire, and the skin will fill with dirt and dust, which is held by the perspiration as it dries. Unless this is removed, the skin will become irritated, and it makes the horse uncomfortable. In order to remove this, and te improve the general health of the animal, he should be well brushed night and morning. It greatly adds to the comfort of a horse to be brushed in the evening after a day's hard work. The curry comb should be used as little as possible, and only to loosen dist that cannot be removed with the brush. groom the horse well after hard work, does not only clean the skin, but it prevents various partsitic diseases of the skin. It gives the horse a glossy coat and keeps him in better condition. If the horses have been perspiring when brought

If the horses have been person into the them roll into the stable, it is a good plan to let them roll in the yard and then rinse them with water that is slightly warm. This will remove the dirt and

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When tal away from 1 when the w managed win agriculture agriculture one gains a teaches him regular prace the influence sweat. The body should then be gone over with a curved, round scrape. Following this, the skin should be rubbed with a cloth to get it dry and lay the hair flat.

Farm work horses are apt to be neglected at this time of the year, because of the general rush of farm work. This should, however, not be the case; but, instead, they should have more care and attention than at any other time of the year. There are still two or more months of continued hard work ahead, and cur horses should be in the best of condition.

### What About an Agricultural College: Course?

R. B. Cooly, B.S.A., Hastings Co., Ont. Agricultural education has passed through a

period of development which has appealed to the few rather than to the many. Men of special parts have attended the Agricultural College. For such men there are always special opportunities.

Why are there not more men attending the O.A.C. College at Guelph? Over 60 per cent. of our population are engaged in agricultural pursuits, yet less than one per cent. of farmer's sons avail themselves of the opportunity.

Thirty-five years ago the Ontario Agricultural

# FARM AND DAIRY

powers of making plain to others what we have learned, is well cultivated.

DOES IT PAY TO TAKE THE COURSE?

One of the first questions a parent may ask is: "Will it pay me to send my scn to take an agricultural course? "In answer I would refer such a one to those who have taken the course. Almost without exception, the answer is given in the afirmative without the least inclination to hesitate. Parents who are anxious that their son should improve should give him a chance. The course as given at our Agricultural Colleges, if taken, will have a direct and practical hearing upen his whole life on the farm. His powers of observation will be made keener; his judgment will be developed. It will develop his creative and constructive instincts showing him the purpose and true meaning of his vocation.

Talk this proposition over with your boy. De your duty by giving him a chance to improve himself. It is not fair to start the loop in a life work on the farm without preparing him for it.

### **Top-dress Weak Clover**

J. R. Westlake, Carleton Co., Ont. The success which we will have with our clover

crop next spring depends on the care which we



# A New Ontario Farm House Built by an Early Settler, Mr. E. Wicklum

Whom Mr. Wicklum and his wife went to live on their New Ontario farm some eight years ago, they spent the first few nights in an old shack on the road. The story of Mr. Wicklum's career in New Ontario, is told in the article on page of Parm and Dairy this week.

College was established at Guelph. In the early years of its inception it struggled against severe prejudice and an almost overwhelming hostile public sentiment. As time went on, however, such sentiment changed until to-day the College is admitted by all fair-thinking, brcad-minded people to be a practical necessity, far-reaching in its influence and invaluable in its work.

### DOES IT EDUCATE AWAY FROM THE FARM ?

It has been asked how it is that so many who have attended the Agricultural College, never return to the farm. But, the great majority do return to the farm and with a far brighter and happier future facing them than those less fortunate fellows who did net take the course. The large number who have returned to the soil, gives the quietus to pessimist's assertion: "The Agricultural College educates the boy away from the farm."

When taking an Agricultural Course one is away from home only in the late fall and winter, when the work on the average farm is readily managed without him. The benefits of a course in agriculture are manifold. One's appreciation of agriculture is strengthened and the very fact that one gains a knowledge of agricultural science teaches him its true significance. By means of regular practice in public speaking and through the influence of the college Litterary Society one's give it now. The first point to be observed is to leave quite a long stubble, say five or six inches when cutting the grain. This stubble will hold the snow and protects the young and tender plants. On no acccunt allow cattle to be pastured on the clover stubble. When we see a fine growth of clover, the temptation to turn on a few of the young stock or the milk cows for a few hours a day is strong, but if we hope for good results next year, we must be content to lose a present profit for greater returns in the future.

While we do not believe in top dressing of meadows as a general practice, nevertheless there is no manure applied on the farm from which we get greater returns than from that which we apply in the fall to help along the yeung clover. When the grain is cut and the clover well started, it is easy to detect where the catch is poor or where the clover is not doing well, due to lack of plant food. A thin application of manure at the rate of seven tons to the acre to these backward spots will bring them along nicely and very little if any difference from the rest of the field will be detected the following year. This manure should be applied with a spreader.

Where sheep are kept on a farm more rape is sown on which to fatten them, and rape wher sown in drills makes a splendid cleaning crop.-T. G. Raynor, B. S. A. Seed Branch, Ottawa.

# Harvesting the Corn Crop

N. B. Stuart, Oxford Co., Ont.

We regard maturity as the most important point to be taken into consideration in deciding the date on which the corn will be harvested. Many of our neighbors are always in fear of having their corn frosted. We would rather run the risk of frost than put the corn in the silo before it is properly matured. Corn which is cut very green and put into the silo is very apt to sour, has too much water in it and does not make a nutriious feed. Corn in which the ears are starting to glaze if well tramped down will keep well and makes an ideal feed for all kinds of cuttle.

The importance of maturity in corn is well illustrated by some experiments which were carred on by a New York Experiment Station, the results of which I have before me. From the time the corn tassilied until it glazed, the dry matter increased 350 per cent.; the ash 125 per cent; proteins, 180 per cent.; arbo-hydrate, 570 per cent; and the fat 260 per cent. This shows that between the tasselling and the glazing stage, the corn extracts from the soil, almost all of the nutrients which make corn our cheapest feed. This experiment also explains why the cows often fall off in milk when we start to feed green corn in the fall. We are really feeding them little more than water.

### SILOING THE CORN

All of the silo owners in this section cooperate with several of their neighbors for the silo filling. We have 25 acres of corn and to get this crop in without delay. I have my own team on the corn binder, four teams hauling in from the field and two men in the silo. The owner of the engine and cutting box supplies a man to feed the corn to the machine. Two cr three men are needed in the field to pitch the corn onto the waggons. The corn binder is started to work at noon the day before the engne arrives.

The cutting box which we usually have cuts the cern in from one half to three-quarter inch pieces. A small boy can operate the hood at the top of the blow pipe so as to distribute the corn evenly in the silo. To put two men in the silo may seem like a waste of labor but we believe in having the cern thoroughly tranped. It should be particularly well tranped around the outside.

### TO MAKE DOORS AIRTIGHT

We have a continuous door in the silo which is filled up by staves cut to the proper length. This door is not quite air tight. As the silo is filled, a roll of building paper is gradually unrolled between the corn and the door, thus making it perfectly air tight.

The layout of the farm has an important bearing on the amount of labor necessary to harvest the corn crop as well as all other crops. Our farm is not properly laid out. The farm is divided into four fields of 25 acres each, and the buildings are situated at one end. While four teams is quite sufficient when the corn happens to be in one of the two folds next to the barn, we find that seven are needed when the corn is in the more distant fields. Properly matured corn, well tramped in an air tight silo are essential if we wish to get the best possible returns from the corn crop.

If the implement shed is not located too far from the main buildings it is convenient to have the workshop in conjunction with it, so that all the machinery can be inspected and readily mended lefore work starts in spring.. Doing this preventive work in the idle winter months will save a great deal of anuoyance and delay during the busy season. Every implement should be gone over and repaired before it is taken out for the season's work, and many idle and stormy days can be put to profitable use in this way.—Mac C. Cutting, St. Paul, Minneseta.

### A STORY OF SUCCESS IN NEW ONTARIO

### The Seventh Letter from Farm and Dairy's Editorial Representative in New Ontario.

sometimes privation, cannot be found in the province than Mr. Ed. Wick-lum. At present Mr. Wicklum is farming near Charlton and has a beautiful farm with good buildings and steak and stock.

6

Something over six feet in height and upwards of 200 lbs. in weight with square shoulders and flat shoulder blades, he is the picture of health and strength. Behind these, even the casual observer, can read courage, energy and perseverance as the prominent characteristics of a pleasant optimistic disposition.

Mr. Wicklum's career in New On-taro is remarkable in so much that when he came to the country he had

# Land For The Settler

100 acres of land convenient to Railways in Northern Ontario's great Clay Belt for each settler. The soil is rich and productive and covered with valuable timber. For full information as to terms of sale and homestead regulations, and for special colonization rates to settlers, write to

DONALD SUTHERLAND,

Director of Colenization, Toronto, Ontario.

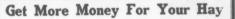
HON. JAMES S. DUFF,

Minister of Agriculture, Toronto, Ontario.

In New Ontario there are many not a cent and now after a residence successful men. Perhaps a more of eight years is worth 10 or 12 theus-striking example of a self-made man, and dollars. However that fact in who has persevered through hardships, itself is not enough. We must know sometimes privation, cannot be found that be made every cent of it in hard that fact in work. That he did not go into mining and "strike it rich" as the people of and "strike it rich" as the people of the north say, like many, perhaps most of the wealthy men in Northern

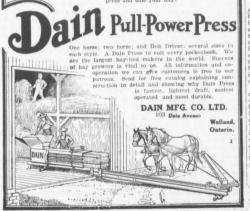
I had always followed the bush for a living," Mr. Wicklum began, after we had done justice to a meal, such as only farmer's good wives ever learn to prepare. "In the winter of 1901 I was laid up for some time with a bad foot and in the spring decided to start root and in the spring decided to start. cut in search of something better. At the time I had just \$175 in the world and of that I left my wife \$100 and took \$75. When I left my home in Centre Simcos I did not know where I was going but was satisfied that I would find something better or not return.

"I took the boat at the fcot of Lake Temiskaming. There were several others on board going into New Onothers on board going into New On-tario in search of a home. As it was early in the spring the ice was still in the Lake above the Old Mission, about 20 miles from New Liskeard. The boat ceudid go no farther and we had to go back or walk the 20 miles to a start of the start of the start returned to the foot of the Lake. With my make to my sheulder and only a pack on my sheulder and only a ll lunch and whatever animals I ld shoot to live on, I tramped small tunch and whatever allimats I could shoot to live on, I tramped through the lush for six days, finally arriving at New Liskeard. Sleeping outside so early in the spring brought back the rheumatism



Because of the light hay crop there will be a big demand for well cured and neatly baled hay. Dain-haled hey is preferred by City Dealers, and brings topnotch prices, because the Dain All Steel Pull Power Press compresses hay into smoothest, most compact bales-straight-edged and dust-proof. By selling direct to City Dealer or Exporter you save Middleunas-proof. my seming direct to City Dealer or Exporter you may Middle-men's large profits and expenses. You are freight, too, because perfectly-shaped Dain bales load the car to full capacity—10 tons or more. Only about 3 tons of irregular or ragged bales can be loaded on average car, but railway never charges for less than 10 tons per car.

Write to-day and learn about our co-operation plan, free to users write to may and tearn about our co-operation plan, free to users of Dain H.Jy Freesch, by which you can secure maximum profits from your hay. Answer following questions so we can advise you intelligently: 1— How many tons of hay have you, and in what condition? 2—How far from railway? 3—Would you like to own Dain Press and bale neighbors' hay as well as your own, or would you prefer some one else to buy press and bale your hay?



and I was again laid up for a few cays. The accommodation was bad and the cest great. I spent a short time in looking around and then loand the looking around and then re-cated a place north-east of the town but found out soon after that it was of no value and had it cancelled. I then followed the road to Millerta and then only the bush the this came on through the bush to the place, 30 miles from New Liskeard. WITHOUT A CENT

"By this time I had not a cent left. "By this time I had not a cent left. I could not buy a postage stamp and when my stuff came later' I had to borrow \$1.50 to pay the freight. I got work on the road. I would work on my house in the morning before seven and in the evening after six. By the time my wife roams a month

By the time my wife came a month later the house was ready. We had the house was ready. no bedding as our 900 hs. of goods had not arrived so 1 paid 85 cents for a flake of hay and a good neigh-bor loaned us a quilt. For three weeks we had only the hay and one wilk for a bod quilt for a bed. "Our first house was in Milberta

but at odd times I would come in here and chop on my own place. At that but at odd times I would come in here and chop on my own place. At that time and until two years later there was only a trail through the bush and I had to carry my living on my back miles

"In October of that year I took the typhoid fever and for six weeks lay on the broad of my back. However, we



### Clearing Land in New Ostario-Mr. E. Wicklum's Farm

The first task that faces the settler in Temiskaming is that of clearing his farm, is land is much more readily cleared than was land in older Ontario in days gone . Mr. Wicklum has over 64 acres cleared. He has been in the district for eight This land by. ars. Mrs. Wicklum may be seen in the pictur-

got through the winter. In the spring This year he put out 20 fruit trees. I purchased a team. I cculd only afford to pay \$25 down but paid the balance in instalments. With the balance in instalments. With the team I worked clearing the townsite of Milberta.

### A HARD STRUGGLE

"We continued this way for two years, living, but never knowing for years, hving, but never knowing for how long. Starvation dogged our every footstep, but we were all neighbors and those who had gave of their living to those who had not. In 1904 we noved to our farm. All arcund here for miles and miles was a dense for-ence of the back Theorad fram Mil. through the bush. The road from Mil-berta could be travelled with a horse in winter but usually there were paths or merely a blaze on the trees.

"The first few nights we spent in an old shack on the read. Our bed we made from our potatoes that had Eight years ago not able to post a letter and to-day worth \$10,000 or more is in short the story of Mr. Wicklum's life in New Ontario. He has triumphed over difficulties and disbeen brought in during the winter. But as the snow melted, the water rose in the show merced, the watch rose in the shock, forcing us to move. We had started work on our house but it was without a roof. However we couragements and has malle of himself a farmer that nct only Temiskaming but the whole of Canada may well feel proud.—COLIN W. LEES. We had started work on our nouse out it was withent a roof. However we slept in it before the chinks were filled or there was a single board as a roof  $\Pi_n$  a few days we got the house in better shape and in the summer finon horses that are being worked in an orchard, otherwise much damage will be done to low branches of the trees by knocking off the bark.--W. F. Kidd, Elgin Co., Ont. ished it.

### THE END OF HARDSHIP

Here an expressive smile spread across Mr. Wicklum's face and his wife sitting near also smiled. Evi-dently the thought of finishing that the thought of finishing that Lrings to them pleasant mem-subscription to Farm and Dairy? house

August 25, 1910.

ories of a life of hardship and privation finished, for Mr. Wicklum con-tinued: "With the finishing of that house our hardship was practically at an end. "From then on we have suffered no

"From then on we have supera in real hardship of any kind. Of course we have worked hara but work is never a hardship. Little by little we became better off. First our build-ings were small but as we got more land under cultivation the revenue became larger. In order to make ends meet I was compelled to work on the road and at other jobs but put as much time as possible on my farm."

THE FRUITS OF MUCH LABOR To-day Mr. Wicklum is reaping the replaced last year by a new and mcd-ern one. It is well equipped, has tele-phone connection to Englehart, is large and comfortable. He put up a new barn a year ago, 40 x 60 feet with 20 foot posts. Two years ago he erected a sawmill at a cost of \$2,245 and when seen by Farm and Dairy had 450,000 feet of lumber awaiting shipment, all of which was taken off own 160 acres.

his own 160 acres. At the present he has 20 acres under crop and 70 chopped and burned which he expects to have logged th's year and under grain next. He grows no hay—onst, wheat and peas, with an acre of vegetables constitute his crop.

A WEALTHY MAN TO-DAY

A WEALTHY MAN TO-DAY He has five horses, 18 head of cattle and nine pigs, besides poultry. Five of his cattle are pure bred Herefords which he purchased at the Toronto which he purchased at the John

Exhibition in 1908 from the late John Govenlock, of Forest.

The success that Mr. Wicklum has made of farming in the Great Clay Belt stands cut a striking example of

what courage and a determination to win can do in Temiskaming. "To-day I am the richest that I have ever been and also the property

been and also the poorest because when

I make a dollar I put it back on my place. But I feel satisfied that I could sell out and show in cash a sum con-

derably over \$1,000 for every year I

High hames should never be

used

have been in this country.

from 1,40 average d larger, a build, and legs must In breed large amo should loin, and feet, and greatest in add to the that, expre in securir the right though the prices for

In cities coming fr certain ty sidered bes

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### The General Purpose Horse\* Prof. W. A. Peters, M.A.C., Winnipeg

This term is used to cover a class of horses which may be and are used for a variety of different kinds of work, all calling for a horse of some-what the same type. While on the what the same type. While on the farm the general purpose horse may be called upon to do almost any kind be called upon to do almost any kind of work depending upon where he is most needed rather than upon his real adaptability to any particular line of work. The advisability of treeding general purpose borses with which to do farm work is doubtful as it will usually pay the farmer better It will usually pay the farmer better to breed or buy the heavy ones for his field work and heavy hauling, and then keep one horse or a pair of horses of the carriage or roadster type for his road work. Upon reaching the city this class divides itself into three sub-classes or types based acai, ce the to breed or buy

types based again on the work to which each is best suited, namely, delivery wagon, express wagon and

l

### THE DELIVERY HORSE

The demand for good, stylish, showy delivery and express horses is always brisk and the prices paid for them are high. There are, however, many "weeds" among the horses used delivery wagons which sell very eaply. The best of the delivery cheaply. wagon horses are produced from stan-dard bred or coach stallions on meddard bred or coach stallions on mea-ium sized, clean limbed mares. Some may be pure blood coach er standard bred horses lacking sufficient finish, quality, style and action to be suit-able for driving purposes. They

bred noises meaning enterior to be suit-able for driving purposes. They should stand from 15 to 16 hands high and weigh from 1,100 to 1,400 hb. A neat, clean cut head, sloping shoulders, a deep, strong middle with strong coupling and smoothly turned full hindquarters, are important con-siderations in form. Leag and pas-terns should be of good length to allow of a long stride. In yoing the fact that most of their work is done at the trot on the hard city atreets, strong knees and hocks, long aloping pasterns and sound feet of the tough-est quality are of prime importance. pasterns and sound feet of the teigh-est quality are of prime importance. The canons must be free from long feather. The action is important, particularly at the trot, the stride should be straight, long, free and springy. A reat head, sloping shoulders, style, quality and finish add greatly to the value of the de-livery wagen horse.

from 1,400 to 1,450 lbs. The express horse differs from the average delivery horse in that he is little more muscular in average delivery horse in that he is larger, a little more muscular in build, and heavier honed, though the legs must be free from long feather. In breeding they used load load of the large amount of draft blood. Slope of shoulders, strength of back and feet, and strong limbs, large tough feet importance. Style and finish add to their value. It should be noted add to their value. It should be noted that express companies have difficulty in securing enough good horses of the right type to do their work even though they are willing to pay high prices for them.

THE FIRE HORSE

In cities there is a limited demand In cities there is a limited gemann coming from fire companies for a certain type of horse which is con-sidered best suited to fire department fcllowing advice: "Go over to those

work. In form the fire horse must be a little more rangy, stand freer in the hind flank than the express horse, yet must have a strong constitution and short, strong back with a straight loin. Only geldings are used. In-telligence and obedience to command are factors that enter into the select-

Two types of fire horses. Two types of fire horse are in de-mand. One standing from 16 to 17.2 mand. One standing roln 10 to 17, hands high and weighing 1,500 to 1,700 lbs. for heavy truck and engine purposes. The other is a smaller horse standing from 15 to 16.2 hands high and weighing from 1,200 to 1,400 lbs. All must be without feather on the legs. While the demand is very limited good fire horses are so scarce that they will be picked up by a fire department at good prices almost any All must time of the year.

# Late Potato Blight

Farmers are advised to Le on the Farmers are advised to be on the watch for petato blight this month. August is the month when the blight does its most disastrous work. It is doubtful if spraying will now be begaficial on the early varieties, but it can do no harm to try it with Borit deaux mixture. The late varieties are in

The late varieties are in greater danger now, and spraying with Bor-deaux mixture is the culy remedy. Use from 60 to 75 gallons an acre. This has proven effective in Minne-sota the past two years. If blight acta the past two years. If blight appears on the potatoes anywhere in the neighborhood, spray at once, and continue spraying every ten days, in good weather, whether a field is at-tacked or not. Spray more frequent-ly in hot, humid weather.

### Neglected Machinery

A. Hector Cutten, Colchester Co., N, S.

When harvest is finished how many

When harvest is finished how many of us clean, oil and pack away our machinery? We know how much wo have to pay for implements. For-merly a wagon, sleigh, plow, harvor, scythe, cradle, axe, grindstone and a long chain would be an outfit. Now we must have drills sulk-plows

long chain would be an outfit. Now we must have drills, sulksyplows, binders, straw-cutters, pulpers, ted-ders, horse-rakes, pitching gears for unloading hay, and so forth. After investing in an outfit of this kind there is negligence if a suit-able building is not previded for their reception when not in use. It is safe to say that more machinery is pusted THE EXPRESS HORSE EXPress horses are used by express companies in the collecting and de-stations. They vary somewhat in size, depending on nature of their works. the range of from railways the state of the state to any that more machine is estimated at 1,000 companies in the collecting and de-to any that more machine is estimated at 1,000 companies in the collecting and de-to any that more machine is estimated at 1,000 companies in the collecting and de-to a state of wagon they are hitched to any that more machine is estimated at 1,000 companies in the collecting and de-to a state of the state of the state of the state of the state the state of the 16.1 he is a horse that winter? The express horse differs from 1.1 this end of the state of

One may drive in any direction as this season of the year and find ma-chinery of all kinds, wagons, sleichs, and so forth, standing just where they were last used. The writer has seen plows left frozen in the ground all winter by good famore. Others, however, when done mowing a field of hay drive their the barn out of the sun ever kind of weather whatday might bring forth

Main are workshops are and with tools kept in order? In sufficient number of bolts, nuts, copper rivels, wire and so forth kept on hand so as to repair any little breakage in-stead of having to go to a blacksmith shop, perhaps in the midst of harvest?

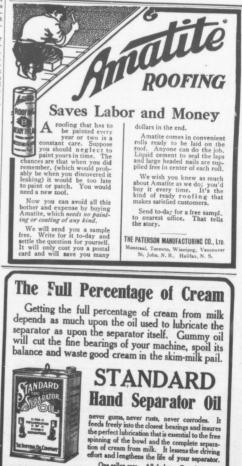
that have had pigs the present year and ask them the following questions: How many pigs did you have this year? Were they even in size and form? Were they all good ones, or did you have two are three choice pigs, and form? Were they all good ones, or did you have two or three choice pigs, and were the rest quite inferior? How did you take care of these pigs? Are you a good suckler? Are you good natured? Are you a good mother, or are you one of the nervous, folgety always worrying and fretting for kind fear somebody will hurt you and your precious piglets? If the brood scw on being interrogated, cannot give satisfactory answers to these questions it is not worth while to scold her cr give her a moral lecture. Just her or give ner a motal lecture. Just turn her into the fattening pen; for there is where she belongs."-From Colurn's "Swine in America."-Price through Farm and Dairy, \$2.50.

fective spray for the turnip louse. applying this mixture.—A. S. Mini-olly, Lambton Co., Ont.

Young Calves Need Whole Milk the first few days. The calf should al-ways have the first or colostrum milk ways have the first or colostrum milk of the cow and be allowed to nurse the cow until the eighth or ninth milk-ing, when the milk is suitable for hunan food. Feed often with small amounts to avoid over-feeding. Teach the call to drink and feed whole milk on skim milli die gradually.--D. H. Otis, Madison, Wis.

enclose \$2 for my renewal for

there is where she belongs."-From two years, to Farm and Dairy. I Colum's "Swine in America."-Price am well pleased with the paper and through Farm and Dairy. 82.50. Spray for Turnip Lice.-I have well as agriculture and think it is found that a spray of one pound a paper that should be in every far-in one barrel of water makes an ef- Ont.



One gallon cans. All dealers. Or write to The Imperial Oil Company, Limited Ontario Agents: The Queen City Oil Co., Ltd.

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

# The smaller crop will in all proba-bility be harvested and attention will HORTICULTURE \*

8

### A Poorer Fruit Crop

Reports from various parts of Can-ada, Great Britain and European countries indicate that this year the world's fruit ercp will be decidedly short. British Columbia is reported to have the largest crop in its his-tory; Ontario, Quebec and the Mari-time provinces, however, all report

The provinces, we asked to provide a short crop. The outlook for the orchard men would seem to be poor. But as it often happens, in years of short crops, higher prices are likely to prevail.



ARTHUR CAMPBELL L'Orignal, Ont

and crop in many sections. In spite of the crop failure, it is pleasant to learn that orchards are being pruned and sprayed more than formerly, sc that what crop there is will be of good ounlike plum crop in many sections.

> Conditions in Western Ontario are nuch the same as in Eastern On-ario. There will be a light apple much tario.



127 Stone road, GALT, ONT. Look for our Exhibitat Toronto Exhibition under the Grand Stand



be given to preper packing and

be given to preper packing and storing. The foliage on the trees is excel-ient, wood growth has been good, which would indicate a humper crop for next year. If this year of shorter crops teaches us the advantages of preper harvesting and packing, the short crop will be a blessing in dis-ruise guise

## **Our Fruit Crop Report**

Latest reports from all the fruit rowing districts in Canada received y Farm and Dairy, indicate that the total crop this year will be much smaller than last year's. Of all the provinces, British Columbia alone re-ports a full crop. They expect to ports a full crop. They expect to harvest the largest crop in their his-

tory. Prof. M. Cumming, Secretary of Agriculture for Nova Sectia, writes: "The fruit crop is the most signal failure since it became commercially taintre since it became commercially established in the province. Frosts in the latter part of April followed by cool, wet weather and severe frosts on June 5th and 6th explain the

on June oth and oth explain the shortage in fruit." Theodore Ross, Secretary of Agri-culture for Prince Edward Island, writes us that they do not expect more

writes us that they do not expect more than a 30 per cent, crop for that pro-vince. The fruit crop in Prince Ed-ward Island was injured by heavy frosts on June 4th and 5th. Mr. Aug. Dupuis, director of ex-periment stations, reports that the apple crop in the prevince of Quebec is light. The fruit set well but the drop has been heavy. Cherries failed completely and plums will be an average average. EASTERN ONTARIO

EASTERN ONTARIO Reports from five of the principal fruit sections in Eastern Ontario would irclicate that early apples are plentiful but little effort has been made to market them profitably. Fall apples will be a medium crcp but winter varieties are estimated at only one half to one third of a crop. Some correspondents report a complete fail-ure. Pears will be a good crop. The plum curculio has sericusly injured the In spite

quality. WESTERN ONTARIO

crchard practice is on the increase. The plum curculio is also very much fun evidence, though correspondents who spray, report that it can readily by controlled. Apples in the Geor-gian Bay District are almost a complete failure.

The reports of our correspondents include the following :

include the following: Small fruits are a good crop : cherries good : pluns light. Fameuse apples medium to full crop. Spot developed rapidly but is at a standstill now. Wealthies, Scarlet Pippin, and Mc-Intosh Red, medium crop; winters, light.—Harold Jones, Grenville Co., Ont

Apple crop is very poor. The bas been a lot of spraying do H. F. Retterson, Grenville, Ont. There done.

Apples are not more than half crop. Spraying is not practised and bark lice and codling meth are bad.— Chas. Thompson, Northumberland Co., Ont.

The fruit crop is fair this year but not so good as last. Apples will be as good as last year but the quality will be poorer. Most of the growers are practising spraying and pruning. --W. J. Wood, Durham Co., Ont.

--W. J. Wood, Durham Co., Ont. I would estimate the apple crop at one third of what it was last year. Quality will be good. Plams are light. Insect pests have not given "uch trouble. Quite a number of Quite a number of curl.—Cecil Walsh, have leaf Durham Ce., Ont.

Apples are not as good as last year. Apples are not as good as last year. Early varieties are very small. Win-ter varieties are deing very well now are well pruned but spraying is not practised.—J. A., Ontario Co., Ont. The apple crop is very light. Bloom was good but dark, damp weather pre-vouted setting. Clapp's Pavorite paer is well loaded but all others light. Plums are a failure: twork of the plum-curculic is in evidence.—D. B. Heve er York Co., Ont. The apple crop is a failure. There are hardly any winter varieties and not general. Plums and cherries are light. Plums respectively and the set not general. Plums and cherries are light. Plums respectively and the set of general. Plums and cherries are light. Pears good.—Geo. W. Mahon, H. Orderdo, whill hare a very short lower the set the set of the set set of the Apples are not as good as last year

large crops will have a very short crop this year. The plum crop is all very small. The pear crop also. Wm. Sharp, Halton Co., Ont. The plum crop is also

Apples are a very short crop. Most the orchards have been pruned and of the orchards have been pruncd and had three sprayings, so that what fruit there is will be of good quality. -J. C. Foster, Norfolk Cc. Ont. In the north part of Norfolk, the apple crop is not as plentiful as last year. There is very little spraying done here. Sprayed plums are a fair crop; the rest have suffered from the curculio .- Albert Jull, Norfolk Ont.

Astrachans, Duchess and Wealthy Matrachans, Duchess and Wealthy will be a full crop. Fall varieties about half a crop; winter varieties can third of a crop. Pears are a fair crop. More spraying is being done every year.—Frank Barber, Norfolk Co., Ont. The outlook for fruit is very poor.

No apples worth speaking of —Geo. Pitman, Nerfolk Co., Ont. The apple crop is almost a complete

The apple crop is almost a complete failure, not more than one tenth of what they were last year. There is not much spraying done.—N. A. Bry-ant, Middlesex Co., Ont. Small fruits are less than half a crop caused by early frost and drought. Apple crop is very light. Orchards are not well pruned or syrayed and the codling moth is pre-valent.—Wm. Dawson, Middlesex Co., Ont. Ont

Apples are a very poor crop. Pear trees are well loaded.—Geo. Hill, Mid-dlesex Co., Ont. The fruit crop is almost a complete failure.—R. R. Stean, Huron Co.,

Ont.

Apples are almost a total failure.-D. G. Salkeld, Huron Co., Ont.

August 25, 1910.

### New Market for Tomatoes

Three boxes of tomatoes packed in Three boxes or tomacoes packed in peat and sawdust were shipped to Covent Garden Market last week. "It is expected that they will find a ready market," said Mr. J. Lockie Wilson in an interview with the Toronto Globe. "The northwest is Wilson in an interview with the Toronto Globe. "The northwest is now a good customer for Ontario fruit but if any falling off in the demand from there should come it is as well to have an English market cultivated.

to have an English market cultivated. In any case a brisk trade could be developed with the old country.<sup>7</sup> That this would be to the advan-tage of Ontario grewers is evident from the fact that whereas the Prince Edward county farmers get 25 to 30 cents a bushel (60 pounds), the price in Landon is from five to 10 cents a merced. pound.

### DEMAND IS GOOD

The demand in England for Cana-The demand in England for Cana-dian fruit generally is good. The peaches, for example, coming to Covent Garden from the continent are yellow, thick-skinned, and juiceless, being grown in hot, dry countries, like the southern California apples, which are punky and juiceless, es-pecially those grown on irrigated land. The juicy, well-flavored Can-adian fruits should, therefore, com-mand a ready sale at good prices. That cur tomatoes would reach the British market in good condition Mr.

That cur tomatoes would reach the British market in good condition Mr. Wilson thinks is certain, as there were shipped last year nearly a mil-tion dollars' worth of tomatoes from one of the Canary Islands. It takes seven days by steamship for their fruit to reach Liverpool. A box of Kent consty tomatoes came from Lon-Toronto last week in six and uarter days. Mr. Wilson ex-the Canadian product to do as well as the Canary Island don t three ments.

### Successful Cooperation

E. Wait, Northumberland Co., Ont. The Grafton Fruit Growers' Asso-ciation was formed for the better handling of our fruits and to aid each nancing of our fruits and to aid each member in taking better care of his crehard in the way of spraying, pruning and cultivation. All spray materials are given to the members at cost price. The aim of the association is to put

up an honest grade of apples, the face giving a fair representation of the entire contents of the barrel. All the fruit is picked at the proper time. When buyers are handling the fruit a large amount of it is often picked either before maturity or long after when the best of the fruit is on the ground.

In the past the average buyer has made practically no difference in price between the classes of apples price between the classes of apples he got. He would pay the same price for an orchard that graded 60 per cent. No. 2 and Nc. 3, with poor wari-eties as for an orchard that ran 60 to 75 per cent, No. 1, of fruit of the very best varieties such as Spies, Kings, and Russets. This was unfair to the grower.

### THE REMEDY FOUND

Our association was formed to over-come these evils. Each member is compelled to properly spray his or-chard together with thorough pruning and cultivation. When so treated his orchard will return at least 75 per cent. No. 1 fruit for which he gets a

cent. No. 1 fruit for which he gets a fair price. Sc far we have gotten a good price for each car shipped. Last season Greenings averaged 19 shillings, Snows 20, other varieties 15 to 20 shillings. For the present season we have a large nurber of inquiries asking us to quote prices on our fruit. All our members are well satisfied with our cooperative society. They feel that it is the only satisfactory way of handling our fruit.

Renew your subscription now.

# Augus Recee

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Provisio ble, for the of doors of ing a skele simply a r off the rai kind area kind are fested with than the Where thi dows sheu doors take dews and the mites of the num the аге pied to the roosts plan is to s a week wit

If the fe yards, the r with as the 1 SUCCESS leaves that haps the n dispense baths shoul pen, or the with vermin ground sulp be beneficial BREAT

As usual, son is over, broodiness a nally if they pingtons or numerous pr iness advocat such as plu water, and u standing up troublesome

troublesome. effective way for two days of food and hens in the them and aff been fed. Th looking for t will forget al for another to as before. T as before. for the worst been fed they five days.

FEED A careful in

the chickens to clean and are satisfy them. ncrease Everything pos keep them gro mature early a or first-class or first-class should be allo garden or on t not old enough by scratching, f of good by eating and carthworms erous enemies getting the be variety of food ries and curran chickens will ha the garden for taste for these

JITN Another word chickens hatchee instification for inability to hat chickens will may if there are no them out. Wh chicks, it is bet to them and msk to them and msk number than to b care of small chi trampled on and Another word

# Beeseseseseseseseseseses by the larger chicks, which stunts their growth and causes numerous fatalities

The Moulting Period for Hens A. G. Gilbert, Poultry Manager, C.E.F., Ottawa.

It is best to have the moulting per-It is best to have the moutting per-ied in the summer months. The sum-mer moult usually lasts from eight too 10 weeks. Mr. James Shackle-toon, a well known authority contends that by feeding specially prepared rations this period may be shortened. The following treatment has been

The following treatment has been successful in our department for several years. During the early part of July-after the breeding season is ever-the fowls were placed on half the usual quantity of rations for 15 the usual quantity of rations for 15 The usual quantity or rations for an or 20 days. The effect of this treat-ment was the stoppage of egg pro-duction and the loosening of the old feathers. At the end of 15 or 20 days the full rations were resumed. A little linaeed meal may be added to be easily with banofit on the resumpthe mash with benefit on the resump-tion of full rations. Before the beginning of operatio

to bring on the moult the cock birds were removed from the breeding pens and placed in compartments by themand placed in comparisons by call-selves. The hens were then allowed to run in small fields where they could find insect life, clover, grass,

and so forth. In the feeding of fowls during moult care should be observed that they do not become too fat. The fowls are more apt to become overfat, from too generous feeding dur-ing the moult than after they have got over it and recommenced laying. It may be interesting to note in relation to the annual moult that exlation to the annual mount that ex-perience of many years has shewn: 1. That yearling hens usually moult earlier and easier than older ones. 2. That moulting is more some cases than others. more gra thers, 3. 7 dual in That the progeny from parent stock which have ulted during summer, in the ma-ity of cases, have usually mculted jority of cases, at the same period. 4. That moult ing hens are much benefited by a run in a field where clover, grass and insect life may be found. 5. That in a neid where clover, grass and insect life may be found. 5. That where moulting fowls are confined to limited quarters, meat in some form and green food should be regu-harly supplied.—Evidence before Committee cn Agriculture

### Feeding Dry Mash from a Box

In feeding a dry mash from a hopper box there is apt to be some wa unless the hopper or box is especially constructed to prevent it. Hens will hook the feed out with their bills if nook the feed out with their bills if they can, and when this is prevented they sometimes scatter it by getting large mouthfuls and drawing their heads away from the hopper. There are hoppers which effectually prevent wate. Many of the

prevent waste. Many of these hop-pers are expensive and, as I keep hens principally in small flocks which would provements a large method for suppresen-I use instead a feed lox for suppresen-dry mash. This is a box five incluse deep.10 incluses wide and from four to eight feet long, according to the size eight feet long, according to the size of the flock. I cut four pieces of 122 of the flock. I cut four pieces of 122 of the flock. eight feet long, according to the size of the flock. I cut four pieces of 1x2 inch stuff 10 inches long; nail one of these to the side of the box at each corner, so the lower end is even with the bottom of the box on the outside the bottom of the box on the bottside, and extending above the box five inches. I cut two pieces of the same material two inches longer than the width of the box and nail them to the upright corner posts, the top of the strips being 8 1-2 inches above the bottom of the box, or 3 1-2 inches from the top of the box. This makes a rest for the cover. The cover can be made of one or more boards and should be just wide enough to fit in snugly be-Lust wide enough to fit in snugly be-tween the corner posts and rest on the cross pieces. If the cover is made of two or more boards the cleats hold-ing them together are nailed to the under side, so as to come close to and

The box will prevent the hens from oiling the feed or getting into it with feet. their feet. To prevent waste when feeding dry mash I make a frame of lath about one-fourth inch shorter and narrower than the inside of the box, so it will work up and down in hox, so it will work up and down in the box easily. I cover this frame with two-inch mesh poultry wire. The frames may be made of better ma-terial hash if desired, but it should be of about the width and thickness of lath. When lath are used I soak them over night in water to provent splitting when nailing on the wire. Double-headed tacks can be used to fasten the wire or small The wire. Double-headed tacks can be used to fasten the wire or small naite and driven almost through the label and beni over. I fill the box about two the farme on top. The frame or follower with site is called will prevent the beens from hooking the mash out of the box with their bills, as they would do if the follower were not used. The follower will sink down as the feed is eaten from under it.—L. E. K.

# Hens Eating Eggs

My hens have formed the habit of eat-ng their eggs How can this he stopped? ing their eggs Ont.

The habit hens have of eating their The habit hens have of eating their eggs may be started by having an egg broken accidentally or it may be due to the flock as a whole laying soft-shelled eggs. From either cause persistent egg eaters may be develop ed. When it is due to soft-shelled eggs, an abundance of grit and oy-ster shell should be provided and the habit will be checked in the course few days.

When the habit is started by eating eggs broken accidentally dark nests should be aranged to privent direct light from coming into them. I would also suggest changing the flock and putting them into new pens. Change and range are the most effectual rem-edies.—M. C. Herner, O.A.C. broken accidentally dark nests and

### Shade for Ducklings

It does not seem to be fully ized that ducklings are very liable to suffer, and even die, from exposure to the heat and glare of the sun. Thousands of them are lost every year The Thousands of them are lost every year through ignorance or carclessness on this point, and many people who raise duckings are surprised when they find some of them every day turned on their backs, dying or dead, in the open fields, from no apparent cause.

inside the cross pieces which support the cover. This will prevent the cover from sliding out of place. This leaves a space 3½ inches between the sides of sun's rays, and when this is done the be box and the cover for the hens to birds cannot fail to suffer some ill which their heads in the states of effect. This plan is even more here This plan is even more hurteners. This plan is even more nur-ful than allowing them to run in a field, for if they are confined to a small space under wire, there is no possibility of their obtaining any shade by one of the fences

In summer the most suitable place for rearing ducklings is under cover of a shed or in the shade of a wood. of a sned or in the shade of a wood. Or the runs may be placed under the boughs of a large, well-leaved tree. Those who have neither trees ner hedges in their fields might set up shelters of canvas stretched on a light frame, with a strip of netting round the sides to keep the ducklings in. In many large duck farms these arti-In many large duck farms these arti-ficial shelters may be seen, and the ducklings always rest under their gen-ial shade during the warmer hours of the day.—I.H.E.

# Lime for Poultry Houses

L. K. Shaw, Kent Co., N.B. Those poultry houses which have not already been line-washed should be done now. The unslaked lime should be put in a pail or bucket with a little water in, just to slake it so that it all rises up like hot steam powder, then the water should be mixed with

it ready for line-washing. It can be put on hot. In this way it kills all the germs, whether of insect life or Many people use lime which heen slaked for a long time, but new lime is far better. By this we mean the unslaked lime, as when once it

has been slaked it en slaked it never gets hot One dressing when the lime is again. again. One dressing when the times as hot and new is worth three times as much as when it is cold and slaked.

Warm Houses Affect Fertility.—Re-sults in fertility of eggs, as shown by treating cn the sixth or seventh day after being put in incubators is in favor of the cotton front houses as compared with eggs laid by hens in a partially warmed house. In one instance, of 98 eggs laid by Buff Orpington pullets in a action front house, on heing tested only eight were untertile. In the case of 38 eggs laid by Barred Plymouth Rock pullets in a artially warmed house, when test-ed mortile. A. G. Gilbert, Poultry Manager, C.E.F., Ottawa. Warm Houses Affect Fertility .-- Re-

I have been a subscriber to your paper for a great many years and appreciate it very much.-W. A. Casselman, Simcce Co., Ont.



# \* **Poultry Notes** S. Short, Carleton Co., Ont.

**POULTRY YARD** 

Provision should be made, if possi-ble, for the laying steck to roost out of doors during the summer by erecting a skeletor roosting house which is oly a roof of four uprights to keep off the rain. Roosting quarters of this are much less likely Kind are much less likely to be in-fested with red mites and other vermin than the closed stuffy winter houses. Where this cannot be done, the win-dows sheuld be taken out and the to be indows should be taken out and the doors taken off and wire-netting win-dows and doors substituted. Should the mites put in an appearance, any of the numerous inseticides for ing to the roosts will be effective cides for applythese are not available, coal oil ap-pied to the under sides and joints of the roosts are excellent. Another plan is to scald the rocst at least once Another with boiling water. If the fowl are confined in small

yards, the males may now be dispensed with as the hatching should now b over, for late chicks are not usually a success. The removal of the male a success. The removal of the male leaves that much more room and per-haps the neighbers will not be sorry to dispense with his crowing. Dust baths should be provided in every pen, or the fowl will become infested with vermin. The addition of a little ground sulphur to the dust bath will be humfield be beneficial.

### BREAKING BROODY HENS.

As usual, now that the setting sea-son is over, there is a tendency to broading over the search of the search of the indy if they are type to the search of the index of the search of the search of the index of the search of the search of the index of the search of the search of the index of the search of the search of the index of the search of the index of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the index of the search of the search of the search of the search of the index of the search of the search of the search of the search of the index of the search of the search of the search of the search of the index of the search of the As usual, now that the setting seaeffective way is to confine the hens for two days in a ccop, provide plenty of food and water, and release the hens in the morning before feeding them and after the other fowl have been fed. They will usually be so husy looking for their breakfast that they will forget about the nest. Should a hen resume her nest, confine her again hen resume her nest, comme her agars for another two days and release her as before. This is usually sufficient for the worst offenders and having been fed they will lay again in four or

### FEED CHICKS WELL

A careful inspection should be given the chickens to see that they are kept clean and are being fed sufficient to satisfy them. Growing chickens re-ution investigation around proton and the Everything possible should be done every week keep them growing so that they will mature early and make winter layers or first-class table ords. Chickens should be allowed tc forage in the garden or on the lawns for they are not old enough to do much damaee. t old enough to do much damage scratching, but will do a great deal good by eating up cut werms, bugs and earthworms, thus destroying num erous enemies of the garden while erous enemies of the garden getting the benefit of an er while when the strawberariety of food. ries and currants Legin to ripen, the chickens will have to be removed from the garden for they soon acquire a taste for these fruits.

### JUNE CHICKS

Another word about late chicks or chickens hatched in June. The only instification for hatching in Jun instification for hatching in June is inability to batch before, and June bickenas will make sphendid progress if there are no older ones to crowd them out Where there are earlier chicks, it is better to give attention to them and make a success of a small number than to have the worry or the care of small chickens that are being trampled on and crowded to the wall

# FARM AND DAIRY AND RURAL HOME

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FARM AND DAIRY PETERBORO, ONT.

### DAIRY TESTS AT FALL FAIRS

Dairy tests, or milking competitions, where they have been conducted at fall fairs have provoked great interest among exhibitors and have given a great impetus to the showing of dairy cows for milk production-not cows simply conforming to the special show points of any one particular breed. Sherbrooke Fair (P.Q.), August 27th to September 3rd, are making a special feature of the dairy test. In class No. 131 a silver medal and a bronze medal are offered for the best cow under test for butter fat. The rules governing the test will be similar to those in connection with the Woodstock fair as published in Farm and Dairy last week.

It has probably now become too late to organize more of these dairy tests for the fall fairs of this year. Another year should see dairy tests more common at the fall fairs of Ontario and Quebec. The extension of these competitions should speedily awaken interest in a greater milk production and result in a far better class of dairy cattle among factory patrons.

### WHAT GOOD FEED DID

It is not often that such strong testimony in favor of good feed for dairy cows is brought to light as is given in the article on page three of this issue. It is remarkable that such a phenomenal increase was secured from a cow past her prime as was the case with the grade cow owned by Edmund Laidlaw & Sens. A record of 9,001 pounds of milk in 10 months would satisfy many owners of dairy cows. In fact only a comparatively few ever attain such a record. But this same cow in her fifteenth year, under Letter care, gave 13,155 pounds of milk in 10 menths and nearly 78 pounds of milk in one day; the record is marvellous when it is considered that in her prime this cow was never known to give as much as 60 pounds in a day. The results secured by Mr. Laidlaw with this cow are in accord with the experience of good feeders the country over Progressive dairymen have long known that you cannot fool a cow and that it pays to feed cows well.

### THE GAIN FROM GOOD SEED

It is a mere platitude to say that on the farm, as in other pursuits, the effectiveness of a man's labor depends on the intelligence with which it is applied. Net at one point only, but at all points. We may bestow infinite pains upon the plowing and the preparation of the seed bed. Then we may lose half the reward which might have been ours, because we have not taken the same pains in the selection of the seed. Perhaps we have grown up in the belief that "corn is corn," and that it makes little difference what seed we plant, so long as it comes from an ear apparently "sound." So we plant as father planted, and harvest 30 bushels an acre, where a small fraction of the time spent in plowing and cultivating-if given to the selection of seed ears according to the ideas which have been thoroughly tried out at our experiment stations -would have given 40 to 50.

The "new farming," thich is transforming agriculture from a merely manual to an intellectual and business pursuit, differs from the old chiefly in this: that it directs attention to a thousand before unobserved details, the study of and attention to each of which counts heavily in determining whether a crop shall be large or small, of good or of inferior quality. And of these details those which relate to the securing of the best seed are manifestly among the mest important.

### WEED INSPECTORS NEEDED

Under the present legislation in Ontaric it is impossible for good farmers to keep their land free from noxious weeds. Some weeds can be kept off the farm by proper care in the buying of seed and by proper cultivation. There are many weeds, a greater extent of this information. however, over the distribution of By taking full advantage of what is control. Seeds of the perennial sow often save what would otherwise rethistle and of the Canada thistle are sult in heavy loss.

the farm of one slovenly farmer in a district may be a constant source of contamination to the farms of all his neighbors.

The best way to selve this problem is by cooperation among all the farmers in a district for the eradication of such weeds. But some farmers cannot be induced to join in such a movement. To meet this exigency legislation is necessary. It is not right that the sleth and indifference of one man should be allowed to interfere with the prosperity of his neighbors.

There is a law in Ontario which pretends to deal with these cases. But it is not satisfactory. One man in a neighborhood is appointed by his neighbors to centrol the spread of noxious weeds. Often he is not independent. Independent inspectors appointed by the Provincial government, inspectors who are well acquainted with all our weeds and having certain parts of the province assigned to them as in the case of cur dairy inspectors, is the proper way to deal with this evil.

The rapid gains that thistles are making all through the Province indicates the necessity of some stringent system of inspection.

### TESTING NEW VARIETIES

It is always well to go slow when it comes to paying exorbitant prices for new varieties of gran. From time to time such are placed on the market and widely heralded as being superior to all others.

As a general rule, these novelties do not turn out well when tested. It would be wise to wait until the excellence of these new grains is thoroughly proved before investing heavily in seed of this kind.

All new varieties of grains as they come out are tested on the experimental plots of the Ontario Agricultural College and at other similar institutions. By keeping informed on the work of these institutions. through the annual reports they publish we are able to tell accurately how these novelties compare with old standard varieties commonly grown.

The folly of going after these new grains too soon was well illustrated two years ago in the case of the famous Alaska wheat. In the United States, also in Canada, many were induced to pay tremendous prices for this new wheat, which was represented as yielding easily 60 to 100 bushels to the acre. Had these same men taken the trouble to write to their nearest experiment station enquiring about this new grain, they would have found that it had been grown in an experimental way for a sccre of years and was one of the poorest varieties of wheat ever tested. The information about varieties of farm crops gained through the work of experiment stations is most valuable. We should avail ourselves to which the farmer has little if any known about these things we might

### carried long distances by wind. Hence FACTORY METHODS ON THE FARM

The development of manufactures has reached its present vast proportions through a careful study of methods and machinery, and the sifting out and adoption of the best: through a close husbanding of material, and the use of every available shred thereof; through the conversion of much that was formerly considered valueless waste into valuable revenueproducing by-products; through such a systematic drill and specialization of labor that, aided by improved machinery, one skilled workman now accomplishes from two to a hundred times as much as formerly. The marvellous abundance and cheapness of manufactured products is the result of these methods.

What reason is there that each and all of these "factory" ideas should not be adapted to the processes of the Farm? In a sense every farmer is a manufacturer: the only essential difference between him and the factory owner being that the farmer works in partnership with Nature. And Nature shows her approval of factory methods by showering her largest rewards on those who give her the opportunity to demonstrate what she can do as a business ally.

Factory methods in their perfection, however, will demand in agriculture the same specialization of industry that is seen in the cotton mill or the machine shop. The men who can combine, with the possession of the most advanced theoretical knowledge, the manual skill and dexterity essential to the most perfect success in each department, are few indeed. The specialization seen in the factory is the outcome of an evolution which has been going on for more than a hundred years. A similar evclution is now going on in agriculture. It will not probably take so long to reach, here, the perfection now seen in the factory; since the factory has done a great amount of pioneering of which the farm may share the benefit. But when farm management shall have been placed on the same level, in attention to detail and in business-like procedures, as the factory, then every acre of land will be made to produce many fold as much as to-day. He who secures the very best results from every one of a hundred acres ranks with the "captains of industry" in

# our great manufacturing centres. **Elgin Leads in Farm Competition**

(St. Thomas Times.) n county has attained the distinction of being the fore-Elgin the proud most dairy centre in the entire pro-vince of Ontario. "Farm and Dairy," a leading agricultural weekly, has conducted a dairy farms competition for the past two years to determine the best dairy farmers in Ontario Six farmers have been awarded the foremost places, and the list is head ed by Mr. R. A. Penhale, whose farm is on the Edgeware Road, in Yar-mouth township, just northeast of the city. Mr. Penhale was awarded the first prize with 777 points to his credit. "Farm and Dairy" says "The honors these six men have wor are high. They and the members of their families will have reason to be proud of them as long as they live." And likewise the township and August

county has in the data monstrat all Ontaria oficiency The report highest tri taste, refi exhibited successful of ing illustra farmer of convenience combined vessentially

A Ne J. E. I.

Rocket of aric. It tarie. here in alfa sembles Wi guished fro tinct dark petals. The as sent to College abo year a num

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### Rocket o and this yea

n received As the pla recently t as to whethe prove a bad sidered a bac country but ground for us our worst portance in origin. So fa tion as to the after the brea and the putt We should b attention is would make o and so extend the habits of Since it is Wild Mustard seeder we thin

mers should gainst hand pulling if it is present in grain. Whe more numerou cutting the al of the Rocket is an annual a ing must rapid cannot be seed free from Farm seed sho under a writte or a sample of for purity at ment at the O

ccunty has much reason to feel pride the Seed Commissioners' Laboratory, in the distinction achieved for this Ottawa. Such tests are made with-section by Mr. Penhale. He has out charge. demonstrated that Eigm county leads all Ontario in dairying segmeral proficiency in agricultural methods. The report of the judges and the second highest tribute to the evidences of taste, refinement and management exhibited on the farms of the six successful competitors, and is a strik-ing illustration of the fact that the farmer of to-day may possess all the conveniences and luxuries of the eity combined with those pleasures which essentially belong to a rural life.

### A New Weed in Alfalfa

J. E. Howift, M.S.A., O.A.C. Rocket or Salad (Eruca sativa) is a weed recently introduced into On-taric. It is a native of the Conti-ment of Europe and has been brought bere in alfalfa seed. In habit it re-sembles Wild Mustard but is distin-guished from this plant by the dis-tinct dark purple veining of the petals. The first specimen of the weed was sent to the Ontario Agricultural College about two years ago. Last year a number of specimens were sent J. E. Howitt, M.S.A., O.A.C. a number of specimens were s

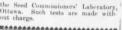


### Rocket or Salad (Eruca Sativa)

and this year many enquiries have received.

been reconved. As the plant has been introduced so recently three is little indication as to whether or not it is likely to prove a bad weed. It is not cor-sidered a bad weed in its native country but that is not very safe ground for us to go upon since some country but that is not very safe ground for us to go upon since some of our worst weeds are of little im-portance in the country of their origin. So far we have no informa-tion as to the persistence of the weed after the breaking up of the alfalfa and the putting in of a hoed crop. We should be glad if those whose attention is called to the matter would make observations to this end and so extend our exact knowledge of the habits of the plant.

the habits of the plant. Since it is a close relation of the Wild Mustard and is evidently a free seeder we think it advisable that far-Wild Mustard and is evidency a free seeder we think it advisable that far-wild be sufficient cause for the ex-clusion of his produce from the City against it. We would recommed hand pulling lefore it goes to seed if it is present only in small quarity in grain. When in the bay grop and more numerous we would recommed for the sufficient cause of the seeds of 0 thava. The numerous we would recommed war (1900 has just Leen issued. Much valuable information is con-tig and are matter. The plant is an annual recommed in segress industry, the education of profes-sional foresters or forest engineers and many other aspects of forestry. Seed the be there hough under a written guarantee of purity or a sample of itsent to be examined for purity at the Botanical Depart-ment at the O. A. C., Guelph, or at Otawa, Ont.



CITY MILK SUPPLY DEPARTMENT Ottawa Milk Supply

Robert Law, Medical Health Officer, Ottawa

That the city of Ottawa has the cleanest and healthiest milk supply of any city in Canada is the decision of the Ontario Milk Commission. of the Ontario Milk Commission. This is due so small measure to the strict enforms on the rules had down by the city be of the rules be observed by dairymen in the mark-of cows and handling of milk de-livered in the city are as follow: THE COWS. 1. The cows must be kept clean. 2. Manure must not be permitted to collect upon the tail, sides, udder, and belly of any milch cow.

STABLES.

1. Cow stables must be well lighted and ventilated.

2. Floors must be tight and well drained.

Manure must be removed from the stalls and gutters before the morn-ing and evening milking where the cows remain in the stables all day.
Walls and ceilings must be kept clean

5. The ceilings must be structed that dust and dirt there-from shall not readily fall onto the

from shall not readily fall onto the floer or into the milk. 6. Stables must be whitewashed at least twice a year. THE WATER SUPPLY. 1. The water used in the barn and for washing milk utonsils must be free from contamination. free from contamination.

free from contamination. THE MILK HOUSE. 1. A milk house must be provided, which is separated from the stable and dwelling house. 2. It must be kept clean and used for no other purpose excent the

for no other purpose except the handling cf milk. THE MILKERS.

1. No person having any communi-cable disease, or cne caring for per-sons having such disease, must be allowed to handle the milk or milk utensil

2. The hands of the milkers must e carefully washed immediately before milking.

THE UTENSILS

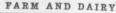
THE UTENSILS. All milk utensils, including pails, cans, strainers, and dippers, must be kept thoroughly clean, and must be washed and scalded after each using. THE MILK.

1. Milk from diseased cows must not be used. 2. The milk must not in any way

be adulterated.

be adulterated. 3. The straining of the milk must be done in the milk house only. 4. All milk must be cooled to a temperature not above 50 degrees F.

temperature not above 50 degrees F. within two hours after being drawn, and kept thereafter below 50 F de-grees or less if not delivered. 5. The use of any preservative or coloring matter is an adulteration, and its use by a producer or shipper will be sufficient cause for the ex-clusion of his product from the Gity O therea





PETERBORO, ONT.

Researceseeseeseeseeseese the company. Creamery Department The second second

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### Co-operation in Australia

In cooperative enterprize Australian d airymen are decidedly ahead of Canadians. Although our home mar-ket for butter and cheese is developing rapidly, Canadian dairymen must depend for a long time to come on Old Country markets for the disposal Old Country markeds for the disposat of a large part of their produce. Among the colonies, Australia is the chief rival of the Dominion in the markets of the world. It behaves us, therefore, if we wish to successfully compete with them that we keep up to date in all methods of producing and among the successful of th

to date in all methods of producing and marketing. In the state of Victoria with an area of less than 88,000 square miles, are 211 butter factories. More than half of the factories are conducted upon a cooperative basis. In establishing a factory, the farmers in each district naccory, the larmers in each district meet together and subscribe the re-quired number of shares and capital meessary to erect a building and in-stal the plant. A board of officers and directors is appended for the shareholders. It is usual for each patron to nurchase disconsidira patron to purchase shares according to the quantity of milk delivered. By following this method, the farmers maintain control over the manu-facture of the butter and its dispesal.

COOPERATION IN SELLING For many years the practice of co-operative butter factories was to trust the sale of their produce to agents in Melbourne. These agents were not always honest and the sys-tem preved unsatisfactory. The far-mers decided that if they were to get full returns they must extend the system of cooperation to the market-ing as well as the producing end. As COOPERATION IN SELLING ing as well as the producing end. As a result, the cooperative factories in Victoria formed themselves into two cocperative companies for the market-ing of their butter. The companies The ing of their butter. The compan operate in different territory and not interfere with each other. Each factory has shares in the distributing Each company proportionate to the output

Distributing centres were established in various parts of Australia and in the United Kingdom. Since cooperative selling has been established, the factories have received for their butters one penny to twopence a pound more and the cost of marketing has been decreased. The producers have the satisfaction of knowing that they obtain full value for their produce.

RUN ON BUSINESS LINES.

These companies are run on strictly business lines. Last year they handled produce to the value of \$15,000,000. When shipments are made to Old Country markets, cheques based on Melbourne prices for these shipments are sent to the factories supplying the butter, and these are negotiable at the banks. As soon as the produce at the banks. As soon as the produce is sold in London, the prices realized are called to the selling company in Melbourne. Subsequently cheques are forwarded to the factories for any surplus due to them over and above the advances already made.

As well as marketing their produce the Australian cooperative societies are starting in to manufacture boxes for packing butter. Creamery supplies, such as parchment paper, are bought in large quantities from the lowest bidders, Mr. H. W. Osborne,

manager of one of the most successful Australian cooperative concerns, says: "I do not know the conditions existing among the cheese makers and dairymen in Canada, but I see no reason why they should not cooperate successfully on the same lines as we have done. In order to make distributing compani successful, however, it is absolutely necessary that the shareholders for-ward all of the butter or cheese to to their own company."

### A Successful Creamery

The Adams Greamery Association started two and one-half years ago getting the cream from 250 ccws, and are now handling the cream of nearly 3,000 cows. They have nine collecting teams, each team bringing in from 250 to 300 gallons of cream date.

The success of the creamery has been due largely to the hearty co-operation between the creamerymen and their patrons. An instance of the method they use to "get next" company proportionate to the output of that factory. The association were carefully drafted to prevent specula-only for pleasure but for instruction tors from obtaining any interest in [as well. This year, an address on cow testing was given by Mr. C. F. Whitley, of the Department of Agri-culture, Ottawa. Mr. Whitley is already beginning to see the fruits of his labors in the increased num-ber of farmers joining the cow test-ing associations and taking more interest in this work.

# **Points for Creamery Patrons**

J. B. Lowry, Creamery Instructor, Hastings Co., Ont. Cream delivered to a creamery should be cooled down immediately should be cooled down immediately after it is separated. Then do not nix the warm cream with the cold until it is cooled down to at least 550. Keep it cool until it is de-livered at the creamery. The cream should be delivered three times a week. The separator should be regulated so as to skim a 30 per cent. cream. The separator should be washed every time it is used.

### Factors in Producing Good Cream

W. A. Wilson, Supt. of Dairying, Sosk Every dairyman should use a ther-mometer because without it one must guess at the temperature of milk or cream. The practice of using one's forces to execute it is in the state of the sta cream. The practice of using one's finger to ascertain this is not modern or reliable. The cost of a thermometer is about 25 cents. Its accuracy can be determined by placing it under one's tongue for about two minutes when it should register 98 degrees. This is the approximate temperature of a person in good health. Whatever the thermometer may vary from this may be noted and subsequent readings corrected accordingly.

A factor which will assist in produc-ing good flavored cream is to skim it rich so that it will test at least 35 per

cent. Germs feed on the ingredients of the milk serum, or the substances (contained in the skim milk. Butter fats of ar as is known is of little value as germ food. Between a 20 per cent. and 35 per cent. cream there is in every 100 pounds of each 15 pounds more of the milk serum in the former than in the latter. In consequence of this it is massible for more organs to he Germs feed on the ingredients milk serum, or the substances this it is possible for more germs to be in the thin cream where there is more food for them, and deterioration is more rapid. Reduce the germ and food content and the cream will keep Resides. food content and the cream will keep sweet for a longer period. Besides, the farmer retains more skim milk at home for feeding purposes when a 35 per cent cream is skimmed. Space for holding cream and cost of hauling is

August 25, 1910.

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Chees

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the patrons.

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reduced. To present a summary of advantages: The cream will keep avect for a longer period. There is less skim milk sent away from the farm. The space for storing cream is saved. Cost of hauling is reduced. PHBQUENT DELIVERY TO CREAMERY. Still another means which will add

PREQUENT DELIVERY TO CREAMENT. Still another means which will aid in producing first-class cream and but-ter, is to have the cream made into butter before any strong odors devel-ment of the second strong second second butter before any strong odors develop. The common practice is semi-weekly delivery and sometimes once a week. Three deliveries is much preferweek. Three deriveries is much prefer-able where arrangements can be made to this effect consistent with economy.

In the conduct of their work, farmers, cream haulers and creamery agers should bear in mind that 'qualis the important factor in exte ity" is the important factor in extend-ing and securing the markets for but-ter. The quality of the cream de-pends upon the man, the flavor and the quality of the butter depend upon the flavor of the cream, and the price depends upon the quality of the but-depends upon the quality of the but-wants most is a large market that wants most part of the second should be to production, development, extension of markets, and, to a large extent wea-tor of the sect. The wave extent wea-to and the sect of the sector of the sector of production, development, extension of markets, and, to a large extent wea-tor. nd. production, development, extension of markets, and, to a large extent, pro-fits may be summed up in the one word "quality," and this in turn rests with the "man."—Extract from Bulletin No. 15.

### **Dairy** Notes

Mr. G. J. Bonchard of the Dairy Commissioner's staff, Ottawa, will demonstrate butter making at the Sherbrooke (P.Q) Fair.

Mr. I. Trudel of the Dairy and Cold Storage Commissioner's Depart-ment will judge dairy products at the Bedford (P.Q.) Fair which is to be held on August 23rd-25th.

The leed Refrigerator Car Service for the carriage of butter to Toronto and Montreal from the Owen Scund Subdivision will, for the balance of the season, be operated fortnightly, instead of weekly, as heretofore. The next car will leave Owen Sound on Tandya August 16th. Tuesday, August 16th.

At a meeting of the executive com-mittee of the National Creamery Butmittee of the National Creanery But-termakers' Association, held in the office of the secretary in Chicago last Wednesday, Aug. 17, it was unani-mously decided to accept the offer of the National Dairy Show Association of \$2,000 in cash, with free meeting room, also free admissions for all buttermakers, creamery managers and secretaries, members of the association secretaries, memoers of the association and hold the next annual convention of the National Creamers Buttermak-ers' Association in Chicago, Oct. 26, 27 and 28, during the dairy show.

might happen t from the better factory when it i to the test, we ca and more cheese The only expla-ve for the meth not being univers: testing makes a A man n t before he giv

### FOR SALE AND TWO CENTS & WORL

WANTED-Good farr Good, Brantford, 7

WANTED.-Herdsman State Cummings Bdg., Ot

FOR SALE-Iron Pip Bails, Chain, Wire etc., all sizes, very stating what you Whate and Metal treat



# Cheese Department Makersare invited to seed contributions **Cheese Department** Index are invited to and contributions this department. See a set of the set of the set of the matters relating to cheese the set of t

possible to instant reprint the possible to instant provided to take one of these small and poorly equipped fractories. The *B. McDonold, King's Co., P. E. I.* following letter received from a Farm J. *B. McDonold, King's Co., P. E. I.* We have 75 patrons sending milk. The *Start Start S* "In 1899 I engaged with the Bogart Cheese Company, sheat Last year we made 20,000 lbs. of cheat Last year is will be still less. For three year is years I engaged an assistant. Now I have to run the factory alone in order to make ends meet. The reason for our large failing off in make is that another factory was built three miles away since this one was tratted. This factory is just one mile distant from a third factory which was built three years previously. There are three years previously. There are three factories where there should be only two."-L. Rutter, Hastings Co.,

scribed by this maker is discouraging not only to the maker, but also to the patrons. With large central facthe patrons. With large central fac-tories, properly equipped and well-manned, better cheese would be made, higher prices received, and there would be more satisfaction ell

there we contralization of factories round. The contralization of factories would probably put several poor makers out of a job and make it necessary to haul the milk a greater distance, but the higher prices and ready demand would put the cheese industry on a firmer basis with industry on a firmer greater profits to all.

# Pay for Milk by Test

M. Rothwell, Frontenac Co., Ont. The advantage of paying for milk coording to the fat it contains is M. Mothwett, prontenac to, that. The advantage of paying for milk according to the fat it contains is that the patrons take better care of their milk since milk which is not cared for will not test as high as milk that has been given proper care. Where pay by test is in vogue, we are sure to get pure milk for under that you dividing the proceeds it is not worth while for anyone to be you do a for the crean they might happed or for the sram they will not get paid for the wa-ier they will not get paid for the wa-ter they will not get paid for the wa-might happed or for the state of milk. The null evaluation that I can

The only explanation that I can give for the method of paying by test not being universal in Ontario is that testing makes a terrible lot of extra A man must have the test efore he gives it out. We have

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

WANTED-Good farm hand-single.-W. C. Good, Brantford, Ont. y

Makers are invited to end contributions. Another reason why there is not be the department, to ask questions on the the set of the department, to ask questions of the department, to ask questions of the department to ask questions of the department of the departm

### Gassy Milk

Our milk seems to be in good condition when it arrives at the factory, but I am having great trouble with the cheese. There are long holes in it. What is the cause of this?-K. C. Dundas Co., Ont

cause of this-K. C. Dundas Co., Ont This is a difficulty that many makers are experiencing at the pre-sent time. The trouble is due to a yeasty or gassy condition of some of the milk. The remedy lies in having the milk produced under sani-tary conditions, cooled to 65° im-many conditions, cooled to 65° im-due to the defective milk cannot be detected the defective milk cannot be detected the defective milk cannot be detected its givinely determining what milk is givinely determining what milk is givinely determining the set once. Where makers are ex-periencing this difficulty, I would ad-vise them to set the milk savet, cut the curd fine, draw the whey with a light acid, shir the curd out reason-ably dry before packing and shrink i the word well after miling and be-fore salting. Where it is possible, the ourd well after miling the hease in two days, turning the heases in two days, turning the heases of the dare the dark for the dark Salling Channel. This is a difficulty that

# Selling Cheese Cooperatively

Ovide Lacoursiere, Champlain Co.,

Orde Lacoursiere, Champlain Co., Que, Our society for the cooperative sell-ing of cheese was formed last spring by the Department of Agriculture of Quebec at the demand of the Dairy-men's Association. Thirty proprietors of factories agreed for the senson to sell their detra connectively. They sell their cheese cooperatively. Th seil their cheese cooperatively. These factories receive on an average 4,000 lbs. of milk a day. They have goed curing chambers in which the tem-perature can be controlled and a good system of making cheese. The cheese

MATED.-Hierdeman: must be good milk.
WATED.-Hierdeman: must be good milk.
State wages. Apply Charles Proper, has to be at least 10 days in the cur-ing chamber before shipping.
TOR SALE-Iron Pipe, Pullers, Beiling.
TOR SALE-Iron Pipe, Pullers, Beiling.
The government appointed as gener-al insector and judge of the cheeses, sincetor and judge of the cheeses, det. all size, very cheas. Bend for its, Wr. Ell Bourbeau and Mr. Aug. Tru-utating what you wast. The Imperia Waste and Metal Co. Queen St., Mon treal.

and sold to the highest bidder in the Montreal Board of Trade rooms at four p.m. each Thursday. The decis-ion of the judge is final.

RESULTS SATISFACTORY Although the society has existed only a few months it is already giving very satisfactory results to the 30 makers who first started in the move-ment. There are new 41 members. Every day requests are received for RESULTS SATISFACTORY makers who nrst statted in the move-ment. There are new 41 members. Every day requests are received for admission to the society. To be ac-cepted as a member of the society, however, the applicant and his fac-tory must come up to the standards called for.

At the outset the buyers did not look favorably on the existence of the look havorably on the existence of the society. At present however, seeing the uniformity in the quality, ap-pearance and packing of our cheese, they seem to be more favorably im-thread in an an index horably imseeing pressed if one can judge by the prices which they pay us. The cooperative

pressed if one can judge by the prices which they pay us. The comparative society buys the cheese boxes, mulin, and other supplies for its members. The society has the approval of all persons seriously interested in the betterment of our dairy industry. In the future it will render great services to our province.

### **Dairy** Notes

Dairy Notes Attention has been drawn, by an important had been drawn, by an grocery trade, to a resolution passed borth, et al local branches in the borth et al local branches in the worth et al local branches in the ported detrie quality of the muslin used for wrapping many Canadian checkes, and the second state of the muslim the second state of the sting of second the local muslim the result being an undue loss in weight when the checkes were strpped. This point would appear, howver, to weight when the cheeses were surpled. This point would appear, however, to relate principally to the inferior char-acter of the cloths utilized by a limit-ed number of Canadian cheese manu-

It is stated that complaints are be-ing made in regard to recent consign-ments of cheese, that these have been ripened too quickly, shipped out in a green stead, and waxed with parafin a green stead, and waxed with parafin ter practice is said to have a distinctly detriorating effect. It was also permt-ed out that the cheese when unboxed and divested of its cloth shows a rind as soft as when it was first made and It is stated that complaints are beand divested of its cloth shows a riad as soft as when it was first made and that when cut it exhibits cracks. It that when cut it exhibits cracks. It seems desirable to again draw the attention of cheese exporters in Can-ada to the necessity of providing boxes of suitable wood and of proper size to prevent breakage.

We are paying by test this year and it improves the quality of the milk wonderfully.—R. J. Hoople, Stor-mont Co., Ont.

Renew your subscription now.

IDEAL

SILO



13

Canadian Dairy Supply Company, Limited

# "You de the city, ' you get yo just callin you. I at you, 1 a. worm," h the teleph

"It isn" a man." "Too ea want a br "Anythin

rou remen that perfect Washington Which a

"There w know, it w I told you and what thought it Den't you about him whole thin your heart

"Really ?" tried hard tried hard pected of it "Yes, I s night, and old stop th we couldn't where. Isn'

of that gor in the street the summer men at the and they y tioned to de there for it

"Are you tured Miss C a polite show Sure? We too distingu forget. My tive—and it father and humber king thing to do paints. And long and along and p thousand-doll uild halls to Where do yo had Harold and he is not have him at twentieth, dea dread his m

sion I made w a risk. I deu "I am sure me at all. I ested—" "Dearest, I

> At Last The Perfe Washer



Our "Champion of all washing r All cogs and r Lever and His vashing to th

Don't think of i SAVID MAXWELL &

hard as she gazed on the picture in Miss Selina Lue's hand. It was a bit of the river road with the forked tree of the river road with the forked tree in the distance, and retreating down the visa a back view of herself, skirts switching, ribbons flying, and Course of the hat as stiff as possible. Every line in the figure breathed sniff-ness and subbery, and it was the clearenest bit outbory, and it was the clearenest bit outbory, and it was the clearenest bit outbory. The second scene Oh, why had she passed him stenily there in the lane, only to give him such a chance? The wretch! And under the picture was a line that added injury to insult—"What care I how fair—" Her face burned and an explosion was imminent, lut was

ladied injury to insuit—"was care i how fair—" Her face burned and an explosion was imminent, but was cut off in the fuse by Miss Selina Lue. "If think the writing under it is so sweet and good, and like him; for of course he means he likes you jest as much with your blue eyes and yellow hair, even if it ain't the style he meely admires. Looks don't make no difference in his liking; though a beap of men is all for looks, and rice goodness in women don't interest them noways. Not that you ain't got looks in plenty of your own kind. Dearie me, if I ain't left the grocery to mind likelf I must hurry on down, but you come along when you're done itself! I must hurry on down, but you come along when you're done looking. He says his friends are al-ways welcome to come up and look and I know he means you more'n

and I know he means you more house anybody." Miss Selina Lue paused as she iton, and now ahe felt impelled to gathered her stiffly started gingham isce Miss Selina Lue and Biossom-and skirts about her preparatery to de-seending the ladder. "Honey," she pictures! said, "I've jest got to tell you what he's agoing to do for me. You know cautionsly in at her mother's door and found her awake and in the act of



She was Wonderful to Behold, was Miss Selina Lue.

that little, old, faded tintype I've University Avonue. If I have to got, what is all that's mortal left to leave my ancestral home I want me of Adoniram Milapse? Well, he's plot of shock suitable to our ness of it, all colored according to Mr. I am afraid, will not be for long Dobbs, who do faver Adoniram some. She raised is ind after I am gone... I knew you'd love him too for being yers and left Misan Gynthia in doubt so feeling towards me, on 'count of a sto whether ahe Gynthia in doubt Adoniram being snatched as sudden- prospect of her dauge the so-like from this world. You know better dition on University are bereft com-like from this world. You know better dition on University are bereft com-

August 25, 1910.

# CHAPTER V

"When I see a curl of religion sprouting up, I think it's best ter kinder shine on it pleasant-like, but not to take too much notice until it roots good." —Miss Selina Lue -Miss Selina Lue.

and in the act of taking her morn-Everything Mrs. Jackson Page did was in the way of a ceremony, and she received Miss Cynthia Miss Cynthia graciously in a point-lace treak-

fast-cap. "How are you, mother, this love-ly merning?" she nquired gently. Jackson Mrs. Jackson Page preferred to be spoken to in cadences of deep-

est symp. all times. "As well as I wer hope to can ever hope to be," she answerlanguidly, though she sip-ped with a de-gree of relish the second cup of coffee and began business - like attack on a sub-stantial tray of breakfast the maid had set fore her. " Are yeu going town to-day? into hoped had you would that at

prospect of her daughter's bereft con-dition on University Avenue or her own on one of the streets said to be payed with gold.

After a proper degree of concern and consolation, Miss Cynthia bear a hasty retreat down the steps. The telephene stopped her on her way to the outside world and an animised conversation ensued, conducted by Evelyn Branch, who was up and doing far earlier than was her wont.



F we are not responsible for the thoughts that pass our doors, we are at least responsible for those we admit and entertain. -Newcomb

A NOVEL OF GOOD CHEER, BY MARIA THOMPSON DAVIESS

### (Continued from last week) SYNOPSIS OF FORE GOING INSTALMENTS

Miss Selina Lu, generous and tender of heart, and suddered with what is called "faculty." keeps the grocery at River Ninf. One day Endowed with what is called grocery to ask her to come and unsew his slatter's thumb which dhe heart in our boxes by a summy window in the rear of the sites." A thumb which dhe cares for in eary boxes by a summy window in the rear of the store. Her friend, Ornhia Page, a young man's apparent assumption of instructions, and learer abruptly. Miss Selina tells the young people at a later wint of heart man, or down or wan, and how she came to he Buird. Cynchia, alone with Miss Selina tells the young factor with a mage. The site of th

-HAT'S it! I knew it had some- line I was a-telling her about, 661

know t know t when I see it, like out the back door at early sun-up when I take in the Flarity twins. It seems like all the men in the Painters' Union tries to paint with it. Once along come a man named Singer and painted it better'n any cf 'em 'cause it's borned in some folks. like the making or pice ared with it. Once along come a man named Singer and painted it better'n any cf'em 'cause it's borned in some folks, like the making of pies and cake and sich. That's a copy of the picture the man done of his own nam siways takene by the cot. Mr. nam siways takene by the cot. Mr. nam siways takene by the cot. Mr. and the sime of the source of the entry of the source of the source mother, who had the misfortune to die when he was borned. He says the picture means everyhody's mother anyway-and I think tdo." "Oh, Whistler's mother! How beautiful I wonder if he made the copy himself?" "Yes, he done it over across the occan-in Jerusalem. I think. And it he man's name is Whistler instead of Singer. I remember it was some kind of a musiciner. He talks and tells me all about every kind of art-thing catching on, but I liking a pown come like I was a-hearing a person come

where the state over a solution of the cost of the state state of the state state of the state state of th

dHAT's it: I knew it had some-thing to do with the weather, the child let the bacon and chabage Anyway I am learning to burn and then tasted 'enn! When t when I see it, like out the her mother got back she ran screech-docr at early sun-up when in the Flarity twins. It tongue. Mr. Alan put some of his like all the men in the own tooth-weah on it to make her rs' Union tries to pain thus, he's such a hand with children t. Once along come a man as I never saw often."

a man a man setter in As Miss Solina Lue talked, Miss As Miss Solina Lue talked, Miss of the rough sketches of men and draft sown big sketches of men and draft horses and great loaded carts and . Mr. straining mult easms were awe-in-'eause of landscape and quick aketches in our bits of landscape and quick aketches of the collidren in charming charac-to find them hanging on the walls of the coll Buff barn! And yet per-How haps no stranger than to find the et he panter himself coming and going among the Bluff people in perfect as the ympathy and friendship. For a And moment her heart was abased before

"You dear thing," she hailed acre "You dear thing," she hailed across the city, "to be avake so carly! Did you get your worm all right? Did just calling to leave up nimber for you. I am so excited \_\_i..."mher for "Then I infer you did catch your worm," laughed Miss Cynthia into the telephone.

worm," laug the telephone

"It isn't a worm I am after; it's a man

a man. "Too early then, dear, unless you "Anything but, cherie! Listen! do you remember my telling you about that perfectly delicicus man I met in W Mington last winter?" ""Thick one?"

"Which one?" "There was only one—like him. You know, it was Alan Kent, the artist! I told you about going to his studio and what a compliment Aunt Kate hought it was to have him ask us. Den't you remember my telling you about him? My dear, he was the whee thing all winter. Well, grip your heart tight—he's here in the city?"

"Really?" Miss Cynthia's voice ed hard to be what Evelyn excted of it.

verted of it. "Yes, I as him on the street last night, and before I could make Har-old stop the auto he was gone and we couldn't find a trace of him any-the streets and times so dull in the streets, and times so dull in the summer? There were only three men at the Country Club last night and they were groupp and attenand they were grumpy and atten-tioned to death. So glad you weren't there for it was bad enough without

"Are you sure you saw him?" ven-tured Miss Cynthia with no more than

tured Miss Cynthia with no more than a polite show of interest. Sure? Well, Alan Kent is entirely too distingue a man for anybody to forget. My dear, he is most attrac-tive-and it is so remanic about his father and all. The old man is a lumber king and refuses to have any-thing to do with him as long as he naints. And there the poor dear goos thing to do with thin as long as no paints. And there the poor dear goes along and prefers pattry little ten-thousand-dollar contracts to decorate guild halls to the old fellow's millions. where do you suppose he can be? I bad Harold telephone all the hctels, and he is not at one of them. I must have him at my dinner-dance on the twentieth, dead or alive. Though I do dread his meeting your—the impres-sion I made was too slight to run such a risk. I deubt if he remembers—'' "I am arre you needht wind about

I am sure you needn't mind about at all. I feel he won't be inter-

"Dearest, I don't trust you! Well.



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up the receiver she realized that she had deliberately withheld valuable information from her best friend-perfect cold blood. And why? 8 -ir picked up the pink-rose hat and fled dcwn the Hill to the Bluff.

When she was just in front of Mrs. Kinney's she saw the "delicious" one leave the barn and descend over the Bluff to the river, kit in hand. With-out acknowledging it to horself, abe would have liked to lock him in the barm-out of harm's way. Well, harm was a rather emphatic name for Evelyn-but she was a very lovely thing — especially at dinner-dance barn and descend over for Evelyn-but ane was a very overy thing - especially at dinner-dance times. Miss Cynthia finally reached the door of the grocery and paused a moment on the steps. Nolody being in sight, she called softly. Miss Solina Lue poked her head out the pritie leanto bedroom and

Miss Selina Lue poked her head out of her little lean-to bedroom and greeted her in a voice of bustling ex-citement. "I'll be there in a minute, Miss Cynthie, honey. Mr. Dobb, have got a holiday and he wants us to go up to the Lock with him to three-o-clock meeting on the gospel-bast what's tied up there this week. Set down in the cool till I come!

(Continued next week.) ...

Watch for our special Household Magazine issue, October 6.

## \* The Upward Look Look Within

doubts and ferebodings are While bound to present themselves to us, from time to time, to some of us more often than to others-we do not sin except when we listen and give way to them. Our dcubts are a means them. by which our faith and love to God is tested. If we act upon our doubts then we sin because we show that we do not trust Him as we should for the strength and guidance that we need If. If, however, we resolutely turn away from cur doubts and conquer them, then we find that each victory helps

us some other to win. Always remember that God loves u and that He desires us to be full o and that the desires us to be thin or peace and joy. Then remember that if this is not the inward condition of our frame of mind there is sin there Satan has gained a fcothold. Not until the Evil One has been driven Not out will we know true peace and hap-piness. It matters not how hard our lot may be or how weak we may feel ourselves to be, we can gain the mast-ery of our circumstances and rise completely above their power to weigh us dcwn and worry us if we will but put our trust completely in God and strive to do His will in all things strive to do His will in an present even the smallest as they present themselves before us from day to day from hour to hour. It is when we are most conscious of cur own inability to do what is right that God is the nearest to us: As long as we trust in our own strength God will not let us use His. When, however, we confess cur own weakness and ask God to help us and trust Him to do so then it is that we find a new to do so then it is that we find a new power, the power that we need, a power from God, entering our lives. Gradually we find that we are raising above the things which formely an-noved us or held us back. We sheuld not expect such a change to be worked within us suddenly. We can emerge from the world of doubts

and fears into the new atmosphere of and fears into the new atmosphere or peace and courage and joy only by degrees. Such a change is a matter of growth, of growth in cur spiritual natures. Therefore it requires time.

Our first great duty is to make sure that we are growing in the right di-rection. If we are entertaining cur doubts we are growing weaker. If we are resolutely grappling with them and constantly asking God ior strength and guidance we are steadily and and constantly asking God for strenges and guidance we are steadily and surely growing strenger and better. Every time we conquer a doubt by bravely facing and grappling with it

bravely racing and grapping with it we take a step that surely brings us nearer to God. Each step, as we take mry not seem to make much dif-ference. When, however, after a little while, we look back and see the pro-mass we have made we begin to real. gress we have made we begin to realze better that God is leading us and thus we gain fresh strength and cour-age with which tc confront the fut-ure. If we are full of doubts and despair the fault is ours. We are not trusting in God and praying to Him as we should. Doubts simply cannot as we should. Doubts simply cannot withstand the power we gain through earnest prayers to God who is the source of all power, and wisdom and love.—I.H.N.

### ...

Farm scenes, especially home views wanted for our special Household issue. Send them in before Sept. 15. \*

OUR HOME CLUB LIFTING THE MORTGAGE

How

How easily and quickly, wisely or unvisely, our farms or property may be covered with the mortgage "blan-ket" that may take years of hard la-bor to wipe out! There are times when a mortgage is justifiable for in-stance, in the purch-useforce, for instance, in the purchase of property or the making of some much needed and useful improvement. In either case In either good judgment must be exercised, so that the burden may not be too heavy. that the burden may not be to be to be A business man once said in my hear-ing that "seven-touths of the business of the world was done or mo, have capital." Be this true or mo, have noticed that the farmer was hear in a man is brought out. The aim of every true man is to own his prop-erty free from encumbrance. With this as the goal, his every endeavor is toward that end.

toward that end. To lift the mortgage means that in-dustry, thrift and economy must be practiced. One reckless with time or money never accomplishes the desired money never accomplishes the desires, aim. Again, there must be continuity of purpose. Without this we fail erc the battle is won. Start out with a decided purpose to meet the payments and interest as they come due. Don't let them overlap. Compound interest is all right for the usurer, but brings financial ruin to the mortgagee. Here is where many fail. Prompt-

ss in meeting payments has saved

ness in meeting payments has saved many a man from the rocks. Don't load too heavy. Be discreet in loading up, then when involved, aim to meet every payment when involved, aim to meet every payment when due and you will have the fun and reward of burning the mortgage some "sweet" day.--"Father."

### ...

Be sure and send us a contribution for our special Women's Issue, Octo-ber 6. Every article to be contributed by women, if possible. This issue to be by women, for women, and all about women. \* \* \*

# Pat the Horses Forehead

"Not many people know how to pet a herse-that is, from a horse's standpoint," said the driver of a big truel

"Every nice looking sleek horse comes in for a good deal of petting," he went on, as one of the big grays ubbed his muzzle anxiously against the truckman's sleeve. "Hitch fine orse close to the curb and you'll find

horse close ic the curb and you'll find that half the men, women and chil-dren passing along will stop for a minute and give him and give him and pat or two. The trouble is that how on't pat him in the right place. "If you want to make a horse think he is going to the equine paradise rub him over his eyes. Next to that form of endearment a horse likes to be rubbed right up between the ears. In a setting horse most people neglect In petting horses most people neglect those nerve centres and stroke the

While a well behaved horse will



## THEOLOGY MEDICINE

SCIENCE (Including Engineering) The Arts course may be taken without attendance, but students desiring to grad-uate must attend one session. There were 1517 students registered session 1909-10.

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accept the nasal caress complacently, secondececcoccecceccecce accept the musal caress complacently, he would much prefer that nice, scothing touch applied to the sys-lids. Once in a while a person comes along who really does not know how to pet a horse and is surprised when a horse throws back his ears and acts peevish; but let a person come along who was brought up in the country and knows the horse and his peculiar ways and he will pet the animal by rubbing him between the ears, direct iy over the eyes."

# The Belleville **Business** College

has one hundred and fifty graduates in good positions in the City of Belleville where it is best known. You may enter at any time. Write for catalogue. The Belleville Husiness College, Limited. P.O. Drawer "B," Belleville. Out.



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w Calendar of the School and further infer m, apply to the Secretary, School of Minimum Ren. On



FARM AND DAIRY

aquiries regarding cooking, recipes, to., gladly answered upon request, to he Household Editor, Farm and Dairy, Peterboro, Ont.

### Pickles and Catsups

CHILI SAUCE CHLI SAUCE TO S quarts tomatoes, add 3 cups peppers, 2 cups onions, 3 cups sugar, 1 cup salt, 1½ quarts vinegar, 3 tea-spoons each cleves and cinnamon, 2 teaspoons each ginger and nutmec. Chop tomatoes, peppers and onions very fine. Boil 3 hours, then bottle and seal.

COLD CATSUPS

COLD CATSUPS These catsups require no ccoking. Peel and cut small or chop 1 peek ripe tomatoes. Sprinkle with 1 small cup salt, let stand for a while and then drain. Add 1 cup sugar, 2 tablespoons each of white nutstard word and center of white nutstard

then drain. Add 1 cup sugar, 2 tablespoons each of white mustard seed and celery seed, 2 tablespoons black pepper, and 3 pints vinegar. Another recipe calls for 1 peck ripe trunators, chopped, salted and trunators, chopped, salted and trunators, chopped, salted and trunators, and 2 cups sugar, 2 cups chorpinght. Add 2 cups sugar, 2 cups chorpinght, and 2 cups sugar, 2 cups chorpinght, and 2 cups sugar, 2 teaspoons black pepper, 1 teaspoon cinnamon, and 2½ pis, good vinegar. Still another recipe reads as fol-lows: ½ peck ripe tomatces sliced and sprinkled lightly with salt. Let drain 2 hours. Add 2 roots grated horse-radiat, ½ cup fine salt, ½ cup white and black mustard seed, 1 cup onions chopped fine, 4 heads celery chorped fine, 1 cup sugar, 1 teaspoon chore, fine, 1 cup sugar, and nut-mes, 3 pits vinegar. 1 to root cups it is ready for use. CHOW CHOW

CHOW CHOW One peck green tomatoes, 1 small or half a head of cabbage, 8 good-sized onions, 1 red or 2 green pep-pers. Chop all fine or put through a coarse meat grinder. Sprinkle with  $\zeta$  cup sait and let stand overnight. Next morning drain well, add 1 pt. Next morning drain well, add 1 pt. vinegar, 3 small cups sugar, 1 table-spcon each cinnamon and turmeric

Mining and Metallurgy.

Chemistry and Mineralogy Mineralogy and Geology. Chemical Engineering. Civil Engineering.

Mechanical Engineering. Electrical Engineering. Biology and Public Health

Power Development.

ogy.

powder, ½ tablespoon each of pepper, cloves, allspice. ginger and mustard, and a very little celery seed. Cook about 20 minutes and seal in pt. jars. GRAPE CATSUP

GRAFE CATSUP To 4 lbs. of the fruit add 1 pt. vinegar, 1 tablespoon each of cinna-mon and allspice, 1 teaspoon pepper, a few cloves and sugar to taste. Boil until it Legins to thicken. Another recipe calls for 9 lbs. grapes, 13/4 lbs. brown sugar, 2 table-spoons ground cinnamon, 1 table-spoons ground cinnamon, 1 table-spoon ground cinnamon, 1 table-spoon strain of ground cloves, allspice and baseh. Joil 1 hour, then strain and bottle. WATERMELON PICKLES Take 10 lbs. of rinds after they are

pared and cut in pieces of desired size, shoil in water until tender, then size, bool in water until tender, then drain. Make a syrup of 3 lbs. sugar to 1 qt. vinegar, with  $\frac{1}{2}$  oz. clores and 1 oz. cinnamon. Peur this boil-ing hot over the tender rinds. Let stand 24 hours, then drain off, bring the syrup to a boil again, and pour it over the rinds again. Do this three days in succession, then put in iars and seel. jars and seal.

### PICKLED ONIONS

The best sort of onions for pickling are the small white "button" onions. Peel and scald them in strong, salty water. Heat boiling his strong, santy gar to cover them, and add to the onions whole pepper and white mus-tard seed. Then pour the boiling hot vinegar over them to cover. When vinegar over them to cover. When cold put in wide-mouthed bottles and cork and seal. It is well to put a tablespoonful cf sweet oil in each Lottle before corking.

tion, as a prem-ium for a club of

Farm and Dairy them look at the Worker sample papers and told the people what a benefit it would be to them to subscribe. Also what a benefit the pig would be. I soon got their name?

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Farm scenes, especially home views wanted for our special Household issue. Send them in before Sept. 15.

August 25, 1910.

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the garden this ers are savin, year. The cov-almost one-thi-fa and elover will not stand soon. Timothy a ton; oats, 18c and 20c; b a 1b.-G. W. C

ACTINOLITE

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EMPEY, Aug. with the except been a good cr short in the sta

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wide, with

MOMPERS 6690 OMPERS 6690 Rompers that are made with sleeves in one with the body portion are the lat-est and the newest. These are practical and attractive in ef-fect, and altogether desirable. The back portions of the drawportions of the draw-ers are attached to the belt and conse-quently are easily buttoned in the place. The little gar-ment can be worn over a frock or in place of one as liked. Material required 3% yds. 34 or 37, 3% yds. 32, or 3% yds. ½ yd. 37, in, wide for

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The pattern is cut for a 36, 38, 40, 42, 44 and 46 in .bust, and will be mailed for 10

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August 25, 1910.

# -----OUR FARMERS' CLUB

PRINCE EDWARD ISLAND KING'S CO., P. E. I.

KING'S CO., P. E. I. MARION, Aug. 14.—The pastures have been excellent all summer. There is no seed for feeding green feed yet. The hay erop is about all harvested; IC adout 36 look well Little will be harvested till sels look well Little will be harvested till sen ber. Roots look exceptionally well. Farm ers are satisfied for once with their fol-t. J.

The set maining tor once with their lot-t. d. Lot and the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of the set of the set of the set of the term of the set of

### ONTARIO

## GRENVILLE CO., ONT.

GRAVITLE CO., ONT. TPKS off. July 27.—Pastures are very fyr, and on thin soil are completely burnt up, Grain is at a standstill. It will only yerin, undo thin soil are completely burnt by Grain is at a standstill. It will only yerin, unlike the standstill. It will only we have almost double the hay this year hay we had last year. Turnips have not come up very good, and will be almost a failure. Some have been replanted, but it years. The standstill be almost a failure. Some have been replanted, but of the drawester. Turnips have not of the drawester. Turnips have but it years. The standstill be almost a failure. Some have been replanted, but the drawester. The standstill be almost a dry for seed to aprout. Garden vegetables have suffered. Hardy any farmers have be graden that they had last year. Parm the graden that they had last year. Farm and colver. Corn is looking fair. It will not stand long if rain does not come son. Timothy hay is selling for \$10 to \$12 to no ats. Ø2: wheat bran, \$20. eggs, ls end 28: huter 28: hops, \$0 and \$26. the MartINIS CO., ONT.

### HASTINGS CO., ONT.

ACTINOLITE, Aug 8.-Haying is about finished. The hay crop is a little better than last year, but still a light crop. The grain crops are very poor. The straw is short and thin. The summer was dry and pasture is poor. Potatoes and roots will be a good crop if we get rain.-T. K.

or a good crop if we get rain.-T. K. EMPEY, Aug. 3.-The hoe crops are good, with the exception of potatoes. Clover has been a good crop. Timothy fair. Grain is short in the straw but well filled. Pasture was good up to July. Dry weather fol-lowed. Pasture is coming on well now, as we are having plenty of rain.-J. H. R.

### PETERBORO CO., ONT.

KEENE, Aug. 12.—The winners in the standing field competition for onts were-isd, R. E. Drummond; 2nd, W. E. Shearer; and Peter Drummond, F. A. Sason and Robert Weit tied for third place; J. A. Ghort Sound and John Stark were 4th and 5th resond and John Stark were 5th and 5th resonance 1000 cm stark were 5th and 5th resonance 10 respectively. Mr. N. J. risburg, was judge.-A. S.

LAKEHURST, Aug. 12.—Harvesting is well on the way. Hay and fall wheat were a rood crop. Oats only medium. Peas are soor. Corn is growing well and promises a good erop.



good yield. Roots are somewhat late. Po-tates promise well. With the large amount of rain which whose had lately grass is good and the chose mad lately grass is good and the chose mad lately are large eason's run. Cattle sere util-ing well and what are for sale are quick-by picked up. Good prices have been realis-ed.—A. W.

HALIBURTON, CO., ONT.

HALIBURTON, CO., ONT. KINMOUNT. Aug 12.-Parmers are busy outing cats and hay, both of which are a good crop. Peas are half a crop owing out of the second second second Roots duy weather. Potatoes are good. Roots duy weather. Potatoes are good Roots duy is and the second poor crop, the late frosts killed the blos mos. Recent rains have made the second poor crop: the late frosts killed the bloss soms. Recent rains have made the second crop of clover fine. Thimble herries are a half crop. Lambs are selling at 85.00; cattle, 4e for October delivery: 84.00 is the lop notch price for steers.-8, T. VICTORIA CO., ONT.

VICTORIA CO., ONT. HURY'S GREEN, Aug. 8-Harvest is in hull away the ratile of the binder is heard up. The ratile of the binder is heard up. Construction of the second second outled by, but being out and out away and out and harders is right, and all way ago darget and wheat is promising to be good. You're the the fail wheat is sown. Considerable huld, wheat has been sown. Early peas are a light crop and some of the late ones are not heavy. Pastures are improving again, which will help sustain the milk how. Pat stock in good condition. The potato group promises well. The late turnips are not going to be heavy.-O. BJ. DURIAN CO., ONT.

DURHAM CO., ONT.

The united counties of Northumberland and



Mr. Duncan to assist farmers of the inited

Mr. Duncan to assist farmer purposes of counties in anyway possible. Farmer should avail tremselves of his services. During the coming winter, short courses in stock and seed grain judging will be conducted at various centres and a six weeks or two months course in agriculture will be given at the Port Hope Collegiate for your at the Port Hope Collegiate or any state of the being arranged for in connection with the being arranged for in connection with the Pair. Other work in connection with the Pair. Other work in connection with there fait. Clubs, cooperative egg circles, fruit institute Clubs, cooperative egg circles, fruit institutes ardening. gardening.

## WENTWORTH CO., ONT.

WENTWORTH CO., ONT. KIRKWALLA Aug 11-During the past month we have had new of three heavy thunderstorms each weak in there. fore difficult to get the grain and the fore difficult to get the grain and the and green again. Where they were have picked too close during the dry weather, there is quite a growth. Corn and roots are growing very randidy. preserve use close during the dry weather, are growing a growth. Corn and roots are growing and the second second second heavy crop. Wheat is in They will be a heavy crop. Wheat is an They will be a heavy crop. Wheat is an interval els to the acre. Stock of all kinds is rath-el second high in price. Porch has dropped over \$1 a cwt. and is now only a https://orkic.acre. dropped.over. to all. and the acre. bunkel: cats, 40 a hunk-c. a set with LINGTON CO. Aver.

### WELLINGTON CO., ONT.

Banner: onto, see a nonn-C. A. W. H.O. A. M. L. MATTER A. O. ONT. The second second

WATERLOO CO., ONT.

WATERLOO CO., ONT. NEW HAMBURG, Aug. 7.—Binders have been so affected by the wire worm. When the affected by the wire worm. When the affected by the wire worm. When the source of the source of the source of the usual amount of thitles. Pastine uso here poor. Supplementary feeds have proved valuable this year. Corn promises a very abundant yield. Mangels look well. Hurnips, late sown, are not good. Hun-turnips, late sown, are not good. Hun-ser, and pratners are now gane plose-seen in the pastures. Apples will also be seen in the pastures. Apples will also be seen in the gastures. Apples will be apples wil

### MIDDLESEX CO., ONT.

GLANNORT, SEX CO., ONT. GLANNORT, M. & S.-The writer had the pleasure of Muk. S.-The writer had home of Mr. W. E. Wg some time at the home of Mr. W. E. Wg some time at the place. Mr. Wright is a breeder of Ch. Uh splace. Mr. Wright is a breeder of the big bronse turkeys. He has a fine herd of dairy cows with many Hotsteins among them, and a splendidly worked farm. Mr. Wright has a shiped holtsteins among them, and a has shiped holtsteins among the many years ho has shiped houses to seven their western bread. Mr. Wright is a great believer in the feeding value of rape. It is good for young stock.-J. R. O. SCOTTEVILLE, Aus. 8-Cliniton Zavits

good for young stors. -, B. -SCOTTSVILLE, Aug. 8.-Clinton Zavitz has the following to say about his farm operations: "We are milking 25 cows at BCOTTSVILLE, Aug. a -Clinico Zavita has the following to asy about his farm operations: "We are milking 25 cows at are doing theme as for field Shorthorns, and are doing theme as for field Shorthorns, and ply of Stowell's Evergreen Sea good any ply of Stowell's Evergreen Sea good any ply of Stowell's Evergreen Sea begins to fail. From our past experience we have found the best green corn for summer reeding for high scath green we have batches of pigs cach year. We have several breeds of pigs and find them . U wy good. We profer pigs resulting from a them you have fail with a famworth in them you have bronze tarkeys. We feed the little have bronze tarkeys. We feed tarkeys bronze tarkeys. We feed tarkeys bronze tarkeys bronze tarkeys. We feed tarkeys bronze tarkeys. We feed tarke

### HURON CO., ONT.

HURON CO., ONT. RLYTH, Mg. 6.-HATWEN IS in full swing. Threshing has just sent the in full swing. Threshing has just sent the sent the sent be much over half a crop as the grain did not fill. The straw was heavy. A heavy, half storm passed over parts of Huron Co., doing untild damse to grain crops. Many ferrowers had their crops completely de-termed and their crops completely de-termed and the sent sent sent sent the half comes wang for them to move. The half comes wang for them to move, the sent sent sent sent sent set of men were burt. The fruit crop is almost a complete failure. The whole county will not have 1000 barrels of apples this senson.-B, R, B. ESEX CO. ONT.

### ESSEX CO., ONT.

ESSEX CO., ONT. ARNER, Aug. 6.-Omo of the most abun-dant harvests ever seen of the most abun-has just been completed with the seen of the yet to secure is oats. which are may be stock. They, too, will be above the average yield. Corn and potates are doing well, considering the amount of drought there has been, the former in many cases being in the midst of arought has broken. We are haverage erop. Beef is searce and high in price. Some hogs are on the move, the price being \$25 a cwt-A. L. A. MARQUETTE DIST., MAN.

MARQUETTE DIST., MAN.

MARQUETTE DIST., MAX. KELLOS, Aug. 6-The farmous intend starting to cut this week. Some of the barley is quite ripe. The rest is ripening nicely. We have had very nice rains and in some localities a little hall. We have the month of the last of the source of the west will be in full residue and what har-vest will be in full residue and what har-ney batter than was expected. As we have had ideal having weather for the last have had ideal having weather for the last in this work. There are well advanced in this work the source and will be hard cutting -L. J. N.

### GOSSIP

GOSSIP Visitors to the Central Canada Exhibition at Ottawa, cannot fail to get their moneys worth, whether they only go for one day or for the whole fair. The exhibition of live stock at this fair is always one of the largest and best in Canada. Those who largest and best in Canada.

ture, Iwill also find ja visit to this fair en-joyable and profitable. For further particu-lars concerning the fair, write to Ed. Mc-Mahon, Secretary.

On account of the C. N. K. return tickets will be issued at Single Pare, via Grand Trunk Railway System, from all stations in Ganada west of Cornwall and Ottawa. Good going August? 27 to September 10, in-dial low Return limit September 13, Spe-ial low Return limit September 13, Spe-ial low a counsion will also be run on certain dates. Full particulars and tickets from ony (rand Trunk Agent.

### A NOTABLE IMPORTATION

Mr. J. D. Eadie, of Hillgreen Farm, Vars nt., has recently made an importation of

Ont. has recently made an importation of Cydesdales, consisting of two stallions, one five year, old mare, a five stallions, one three filles. This is the second of and three filles. This is the second stallion, is a Kingradae, a four year old stallion, is a very typical Clydesdale, showing quality and breeding. His sire was the well known Cairndale. The second stallion is Justin-less Fahlion, a three year old sized by Royal Fashion. He is a well made animal, with a good body and excellent hone.

The mares are an excellent lot, poss-ing the blood of such notable sires as 1 Gregor, Baron's Pride and Sir Everard.



# MARKET REVIEW AND FORECAST

Toronto, Monday, August 22nd. - The markets, which are always experiencing tension of some sort or another, are this week suffering from fright on account of week suffering from fright on account of rumors of frost in the Northwest. This is a very real danger to the ont erop and to what wheat remains to be harvested, but up to date, the rumors that have been afloat have happily proved groundless, and anone have mapping proved groundess, and were no doubt started to influence the prices. Business in every branch is being carried on under cloudless akies. Call money in Toronto rules at  $5\frac{1}{4}$  to 6 per cent.

### WHEAT

The Chicago and Winnipeg exchanges seem to be taking things quietly at pre-sent-what trading is being done, is done in sent-what trading is being done. That there is a a same, rational manner. That there is a large export demand is evident, and dealers are quietly watching developments, which tend strongly towards higher prices in the near future

near future. Local dealers quote as follows, prices nominal: No. 1 Northern, \$1.14½: No. 2, \$1.35%, at lake ports, No. 2, Ontario winter wheat (old), \$1.03 to \$1.04; this year's wheat, %6c to \$1 a bushel, future of the state o

On the farmers' market, fall wheat is selling at \$1.01 to \$1.02 a bushel, and goose wheat, from 91c to 95c a bushel; new wheat is being offered at \$1.00 a bushel.

### COARSE GRAINS

The market continues steady for all oarse grains. Dealers show a tendency to oarse grains. be chary in oat quotations, owing to their uncertainty in regard to the western crop. uncertainty in regard to the weatern crop. Local quotations at present are as follows: Canada Western outs, No. 5, 40 $(y_{c}; No. 5)$ , ment: No. 2, Ontario white, 35e to 35e out-ade: 4le to 42e on track, Toronto. New outs, No. 2, See outside. Corn, No. 2, yei-low, 70 $(y_{c}; No. 3, 70)(y_{c}; Canadian No. 3)$ de, Toronto Treights; batter, 5de; peas, 75e a hushel

Dushel. On the farmers' market oats are selling t 46e a bushel; barley, 54c; buckwheat, 5c; peas, 71c to 72c; ryc, 68c to 69c a bush. Montreal wholesale prices for grain are as montreat wholesate prices for grain are as follows: A merican corn. yellow, No. 2, 70%: No. 3, 70e a bushel in car lots; oats, Canada western, No. 2, 42%: or No. 3, 40e to 41e a bushel in car lots; barley, 53° to 54o a bushel in car lots; out of store.

### POTATOES AND REANS

POTATOES AND BEANS There is no great demand for potatoes at present, but dealers are making pur-chases from the country at 80 to 50 e. a bag. Old potatoes, of which there are some forced by the mess at 55 at 66 at 56 for the source of the source of the New potatoes are selling on the farmers' market at 81.00 to 81.11 abg. Dealers quote prices for beans as follows: Primes, 25 to 82.10 a bushel: three pound pickers. In Montreal rade is steady and prices are firm: Dalers quote pointones, 65 to 10

In anotheral trade is steady and prices are firm: Dealers quote potatoes, 45c to 5 50c a bushel in car lots, and 70c a bushel in a jobbing way. Beans are quoted as follows: Three pound pickers in car lots, \$1.80 to \$1.83 a bushel.

### DAIRY PRODUCTS

DARY PRODUCTS There is a starty demand for butter and wholesale prices rule as follows: Calify prints, Be to 20e separator prints. 21e; ordinary quality, for 16e a b. Cheese, which is still coming in in generous quan-tities is quoted at 11;ce a b. for large and 11;ce a b, for vins. On the farmer's mar-ket, choice dary butter is selling at 22e to 20 b.

Montreal wholesale prices for butter and Montreal wholesale prices for outer and cheese are as follows: Choice creamery butter, 22c to 22/ge a lb: No. 2 quality, 20/ge a lb: western cheese, lb(t to 11/ge a lb., castern cheese, 10/gc to lic a lb. The trade both in butter and cheese is reported as steady and prices firm.

### WOOI

The price for wool remains the same. Dealers quote, washed fleeces, 19c to 20c a 1b.; unwashed, 13c to 14c a 1b; rejects, 15c a lb.

### HIDES

Some classes of hides are slightly higher in price. Local dealers make following quotations: Inspected steres and cows. No. 1, flet, No. 2, % a lb.; inspected bulls, % a lb.; call seims. Be to 3% ca lb. At coun-try points, dealers are paying the follow-ing prices: Sheepskins, \$1 to \$1.0; horse ing prices: a heapskins, \$1 to \$1.0; horse ing prices: Sheepskins, \$1 to \$1.0; horse ind prices: \$1 heapskins in \$0 heapskins ind prices in \$1 heapskins in \$1 to \$1.0; horse ind prices in \$1 heapskins in \$1 heapskins ind prices in \$1 heapskins hides, \$2.75 to \$3; horse hair, 30c a lb.

EGGS AND POULTRY

The trade continues quiet. Supplies are still coming in fairly plentifully and prices remain stationary. Local wholesale dealers quote them at 19c

Local wholesale dealers quote them at 18: to 28: a dosen, in case toks, On the farm-ers' market strictly new laid are selling at an entry of the selling at the selling at the selling at Wholesale prices for its poultry in Tor-outo are as follows: Tarkeys, 16: young ducks, 11: spring chickens, 18: to 18: of the ducks, 11: spring chickens, 18: to 18: of the ducks the selling at 28: to 28: a bit dressed chickens, 16: to 28: a bit dressed chickens, 16: to 28: and of four Montral wholesale prices for seven seven.

Montreal wholesale prices for eggs are as Montreal wholesale prices for eggs are as follows: Selected stock, 21c to 22c a dozen; straig at receipts, 17c to 18c a dozen; sec-ond grade, 12c to 13c a dozen.

### FRUIT AND VEGETABLES

FRUIT AND VEGETABLES Local wholesale quotations for fruit are as follows: California plums, \$150 to \$2 a erate: plums, \$125 to \$1.75 a erate: 36 to \$50 50 a basket: Ghfornia arraps, \$5 a box; Cali-fornia preaches, \$1.55 to \$1.56 a box; Cam-pears, \$56 a basket: of matrix prears, \$56 a basket: of abote: of prears, \$56 a basket: of \$60; Lawion berriev, \$6 to \$6 a box; huckberries, \$125 to \$1.40 for 11 quart basket; watermelons, \$26 to \$06; each. 35c to 50c each

35e to 30e each. Vegetables-Beets, 10e to 15e dozen; cu-cumbers, 10e to 20e a basket; carrots, 10e to 15e a dozer; tormators, 30e to 45e a bas-ket; beans, 55e to 30e a basket; cabhage, 81 to 81.52 a crate; celery, 25e a basket; new potators, 82.75 to 53 a barrel. On the farmers' market, vegetables are selling as follows: Beans, 55e to 30e a peck; cauliflowers; He to 15e each; rabbask, rab-bask, 5e a bunch; beets, 16e 108 ea dozen; hunch. Hay AND STRAW

### HAY AND STRAW

There is not much hay offering on the local market at the present time, but prices are no higher. Local dealers quote old, No. 1 timothy, \$14.50 to \$15: No. 1, new, \$13 to \$14; and ordinary quality, \$12.50 to 813 a ton on track, Toronto

813 a ton on track, Toronto. Baled straw, 86 to 87.50 a ton on track, Toronto. On the farmers' market choice timothy hay is selling at \$18 to \$21 a ton, clover and mixed bay, \$12 to \$15: straw in

cover and mixed pay, \$12 to \$15; straw in bundles, \$15 to \$16; and loose straw at \$3 to \$9 a ton. Montreal: wholesale dealers quote No. 1 timothy, \$14.50 to \$15; No. 2, \$13.50 to \$14, clover mixed, \$10.50 to \$11, and clover, \$8 to \$10 a ton; baled straw, \$5.50 to \$6 a ton. on track, Montreal

### MILL FEEDS

Prices remain stationary: local dealers quote Manitoba bran, \$30 a ton: shorts, \$22 a ton on track, Toronto: Ontario bran, \$30, shorts, \$22 a ton on track, Toronto. Montreal prices are Manitoba bran, \$31 shorts, \$22 a ton: Ontario bran, \$32; shorts, \$22 a ton on track, Montreal.

HONEY

Dealers quote as follows: Honey, in 60 lb. tins, 9c to 10c a lb.; choice comb honey, 82 a dozen; 2nd quality, \$1.50 to \$1.75 a dozen; 5 lb. tins and 10 lb. tins, from  $9\frac{1}{2}c$  to

Montreal prices for honey rule as follows: White clover, 14c to 15c a lb.; darker grades,  $11\frac{1}{2}c$  to  $12\frac{3}{2}c$  a lb.; buckwheat honey, 7c to

### HORSE MARKET

Receipts of horses continue light and con-Receipts of horses continue light and con-sequently there is not much business do-ing. Prices remain the same as last week, Heavy draught horses, 525 to 5350; choice agricultural and general purpose horses, 550 to 5250; medium quality, \$120 to 5480; drivers, \$125 to 3530; expressers, \$170 to 550; serviceably sound horses, \$40 to \$40. LIVE STOCK

LIVE SIGOR Export active are somewhat lower in pric-and prices for butcher cattle also are slight-ly lower than those recorded last week. There is a lively demand at present for stockers and feeders, also for sheep and lambs. Hogs have been going down and up during the week. In the early part of the week they had deelined in price to \$45.0 fet and watered, and \$45.5 on early 88.66 fed and watered, and 88.50 on cars, but advanced prices across the border sent them up and the latest quotation was 84.75 fed and watered. In Chicago, honge have gone up in price and also at New York. Choice across the set of the set of the Choice across the set of the um, 85.50 to \$5.75; ordinary, 84.25 to \$5 at cet.

Butcher cattle, choice-\$5.50 to \$6; medi-

WL. Heavy feeders, choice steers—\$5 to \$5.25 bulls, \$3.50 to \$4.75 a cwt. Stockers, choice—\$4.50 to \$4.75; ordinary \$4.30 to \$4.75 a cwt.

84.30 to 84.75 a ewt. Heavy feeders, choice steers—85 to 85.25; buils, 85.50 to 84.75 a ewt. 81.00kers, choice—84.850 to 84.75; ordinary, 84.30 to 84.60 a ewt. 10.00 store 10.00 store 10.00 store 10.00 store Milliers, 85.00 to 850; calves, 85.56 to 87.50. 87.50.

to 87.50. Sheep, ewcs—\$4.50 to \$4.75; bucks, \$3 to \$3.75; lambs, \$6.25 to \$7. Hogs, f.o.b., \$8.40; fed and watered, \$8.75

a cwt

### PETERBORO HOG MARKET

PETERBOHO HOG MARKET Peterboro. Aug. 22—Januah hogs deliver-ed in England last week totalled 35000. Thu-market is very weak. The demand for unrited is very weak. The demand for The delivery of hogs on the local market is heavier. The George Matthews Co. quote the following prices for this weeks ship-ments: Lab. country points, 84.84 e.et., abattoir, 84.75 a.et., delivered a. abattoir, 84.75 a.et.

### MONTREAL HOG MARKET

MONTREAL HOG MARKET Montreal, Saturday, August 20.—The mar-ket this week for live hogs was rather firmer than it has been for the past two or livre weeks, and prices have scored a week. As high as \$50 was out for that week. As high as \$50 was out for that week. As high as \$50 was out for that anging all the way down to \$8 for sows and underfinest. Dealers generally, how-ever, look for lower prices in the near were, look for lower prices in the near the likely to increase from now of live hogs is likely to increase from now of live hogs is likely

to increase from now on and will soon be more than equal to the local requirements. Dressed hogs have met with a very fair demand this week and sales have been made freely at from \$13.50 to \$1.375 a ewi, for fresh killed abattoir stock. EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE Mattreal straindry. America 50.—This work's cheese market opened with any and for a day or two it looked very much and for a day or two it looked very much strain of an advance in prices when the cation of an advance in prices when the cation of an advance in prices when the turb being very dull, but at the openies country markets this week very full prices, were paid for white cheese, and on Wed-nesday at Peterhoro prices were runhout high water marks of these, which are and prices gradually cased off until or fundational at 10% to 10% the lattern of marical all solid at 10% to 10% the lattern of marical cheed to 1% or looked the sees, which are very, there was a decided improvement in the theory. Towards the end of the week, how-very, there was a decided improvement to there to be a no. In some cases a bare six-teenth. Towards the end of the week, how-ever, there was a decided improvement in the demand from Great Britain and a good deal of trading was done at the low prices which prevailed then.

The make of chocse in Ontario continues to show up well as compared with last year, but the output of chocse in the pro-vince of Quebee is rapidly divinding. In most of the districts along the border very few chocses will be made from now on this season, and in some of them it is stated that not a single chocse will be made after the 1st of September. Compared the season of the states of the the season of the season of the states of season of the the season of the season of the season of the the season of the season of the season of the the season of the season of the season of the the season of the season of the season of the season of almost 1s at how over those eurorant last week. The advance is due first of all to the rapidly diminishing receipts and the in-creased speculative demand from the local dealers. There is also a fair demand for export at higher prices, and some burying

export at higher prices, and some buyin orders coming from the United States of speculative nature. me huvin

### CHEESE MARKETS

# Canton, N. Y., Aug. 15.-1300 boxes of white cheese at 14%c. Brockville, Aug. 18.-1845 boxes colored and 1005 boxes white offered. Best bid,

Brockville, Aug. 13.–1846 hoxes colored and 105 hoxes white offered. Best bid, 194co, Aug. 209 hoxes hoarded; all hoxes, Aug. 194 hoxes hoarded; all 194 hoxes and the second second second 9 theory and 194 hoxes and 194 hoxes of color Kemptville, Aug. 19.–175 hoxes of color d cheves boarded, of which number 35 Nananee, Aug. 19.–175 hoxes of colored and 95 Nananee, Aug. 19.–175 hoxes of colored and 95

sold for 10%c. Napanee, Aug. 19.-1225 colored and 595 white cheese boarded. All sold on board and curb at 10 946 to 10 11.46c. Alexandria, Aug. 19.-587 boxes of cheese; all white; sold at 10%c. Braatford, Aug. 19.-615 cheese offered, all sold at 10.146c.

### August 25, 1010.

LAMENESS from a Bone Spavin, Ring Bone, Splint, Curb, Side Bone or simi-lar trouble can be stopped with ABSORBINE Full directions in pamphlet with each bouis. E.00 a bottle at dealers or delivered. Horse Book © D free. AltSUKEEINE, JR., for mankind, st a bottle, remores Fainful Breilings, Ba-larged diands, Gottre, Wons, Bruises, Yari cose Veins, Varicosities, Old Sores, Allays Pain W. F. YOUNG, P.D.F., 123 Temple St., Springfield, Mass LTHANS Ltd., Nontreal, Canadian Agents,

Ottawa, Aug. 19.—1243 boxes of cheese boarded; 406 white, 837 colored; 664 sold at 10% for white and 10% for colored. 1roquois, Aug. 19.—569 cheese offered; all colored, 495 sold on board at 10%c; balance

10 9-16c and colored at 10 11-16c.

# **HOLSTEIN-FRIESIAN NEWS**

Farm and Dairy is the official organ of The Cauadian Holstein Frieslan 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 solumn.

and IMPORTATION TO BRITISH COLUMBIA

Victoria, July 23.-Another important tep towards the development of the self step towards the development of the self maint "nance feature of the Couplian Re-treat, and at the same time a giant's stride forward in the direction of improving the standard of British Columbia dairy cattle was taken peetrday, when a draft was forwarded by Hon. Dr. Young, in behalf of the still diversiment, to Edward A. We will have the theory of the famous Lakeside Stock Frame Set of the famous Lakeside Stock Frame Set of the famous Lakeside Note Farm at Synause, N. Y., in payment for what will be unquestionably the finest hord of Holsteins in Western Canada. These will be brought to the Coast at once and placed in guarters at the Coquitian Retreat Farm, through which in years to come the dairymen of the province will hard of the forefastly improve the stan-ard of the forefastly improve the stan-lard of the forefastion results and the forefastion of the bard strength of forefastions.

since proven by far-ranging tests and ex-periments, the best of all cattle for milk permeans, the best of all cattle for milk and butter production. All the modern eastern sanitaria now have their Holstein herds, and many of the most famous hos-telries of America have adopted a similar policy, extensively advertising "Holstein milk and butter," as a bait for patronage. Of all the great American stock farms specializing in the breeding of Holsteins, spectrology in the preceding of floatenes, that at Syracuse is reputed to be foremost, and British Columbia may congratulate tiself upon now having secured a picked herd which, in the opinion of competent judges of dairy stock, has not a single week spot. The herd is made up of the

One two-year-old Holstein bull, from a One two-year-old Holstein bull, from a 25-butte-pound dam, and best Pontiae sire. Yearling, Lakeside Model Pauline; Lake-side Model Veeman De Kol; Elsie Wayne; Neth-erland Segis II. One nearing two years, Celia De Kol

Posch.

One five-year cow, Lady Posch Clothilde. One three-year cow, Nathalie Clothilde Perfection.

Two-year-old heifers, Aggie Netherland ornucopia; Springdale Vale Pauline; Em-Spofford

Eight heifer calves, one three-year-old

Fight hetter calves, one three-year-oid our, and one two-year-oid our, It is now about two years since the idea was conceived of making of the necessary farm in connection with the Coquitlam Re-treat for the Insane practically an experi-mental farm for the province as well, and upon Hon. Dr. Young making this suggeupon non. Dr. roung making this sugges-tion to the department of agriculture, the officials of that department at once fell in with it, and the development of the farm began. How well the plan is working out was told of in a special reference to the nospital work appearing in these columnianty a few months since. As the stock f ture is necessarily a most important of it is intended, Hon, Dr. Young explains, weed out all inferior stock now on

FOR SALE

**UNION STOCK-YARDS, Toronto** 

MANURE

ONE 2 YR. STAL Beau, Imp. mostly all fr -R. M. HOLT Phone.

> CHERRY BANK R. O. P.) Cow ARTHUR, No.

m, mm mm mm m

sold on street at same price. Cornwall, Aug. 19.—1556 boxes boarded: 701 white and 851 colored. White sold at

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# the improv stock.-Vanc A BI

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farm, and milk bill d

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What is sale of pure in Canada, a any breed o United State United State the Brockvil Thatcher, rep Davenport, 1 chase of 52 In addition were purchas Brockville, or sale was may Brockville, or sale was may tion of the i Gordon Manh cover of Fan ago. This il W. J. Kenne College, who advertisement advertisement vised Mr. Th: district for th

The stock p exceptionally part from sto The purchase from Gordon Goodison, and of Manhard: s Buell: 10 fron Thomas Davis Layng, of Spi Bullard, and o Hollow: and t Fairfield East. a Canadian reputation in was on a visit at Vern at Vernon, On selecting the s age from calve reeders are w they obtained ago Farm and Brockville distr

a Holstein een prediction to h In order that ciation to the they had exten ance they had to secure the st day evening en a few others, in shire, of Broc Farm and Dain Brockville, M. Brockville, M. Bank of Toronte

# \*\*\*\*\*\*\*\*\* E Cards und card accepte during twelv

2000000000 ORMSBY GRAN breeding of made.-DUNG SPRINGBROOK

Present offer Tamworth bo

farm, and substitute thoroughbreds. The Milk Bill of the hospital for the insane, it may be remarked = structure in the strath heretofore been over structure in the structure in the

PHOTOS OF GREAT COWS The designable that owners procure photos of the designable that owners procure photos that is able to cows, as any cow or helice ords, such as are respond of the large rec-ords, such as are responded to the the honor of being presented to the the honor of being presented to the the honor of being presented to the such as the serves both his a willow the or recurs and those of his fellow breeders. there is an advanced registration cess, here is an advanced registration cess, there is and those of his fellow breeders, there is and is follow breeders to the times of a great personal advantage, while better in the safet of the safe transfer as the serves both of the safet times of a strate personal advantage, while better is the safet of the safet transfer the safet of the sa The inter was new inter along our requirements of the second second second second second tanks and the second second second second second realized second second second second second second for the second s at b. The od

introduction of this new Holstein blood will necessarily be a great thing for the improvement of British Columbia stock.-Vancouver News.

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**III.** (

### A BIG SALE OF HOLSTEINS

There are photos and photos. Perhaps the most favorable comment that could ho truthruly made on the majority of the invariant photos and photos. Perhaps the most favorable comment that could ho invaluate mathematical photos are pro-duced by the photos and the photos mathematical photos are photo-diary breads deserve better of the matter, dairy breads deserve better of the matter, in the dairy and any day of the matter, in the dairy and any day of the matter, in the dairy and animal husbandry de-better of the the instructors, some Col-less going to the instructors, some Col-less going to the instructors, some Col-less going to the instructors and the mathematical photos are set and the Advanced Registry office and the multicity bureau of our Association makes in the cost also ways on the same way. No one the same way. No one the same way. No the instruction of the solution, the photos of dairy cow is so the trouble in obtaining attractive photos can not the solutional the cost also for some solution. The traditional Rocky Mountain photog-ins, whenever the fold his rat at the whole and we can be the solution. The traditional Rocky Mountain photog-ins, whenever the fold his rat at the whole and give the cost also do in the animer as to get both a correct and dy and the photograph. It is well for Job the he phot A BIG SALE OF HOLSTEINS What is considered to be the higgest also of pure hered Holstein estile were regard, in Canda, and the largest importations of any breed of eattle into any part of the United States, has recently been effected in the Brockville district, where Mr. J. T. Thatcher, representing the lowman Farm of the Brockville district, where Mr. J. T. Thatcher, representing the lowman Farm of the Brockville district, where Mr. J. T. thatcher, representing the lowman Farm of the Brockville on the lowman Farm of the Brockville on the lowman Farm of the Brockville on the United States side. Thus alse was made as a result of the publicat lion of the Ilustration of the Ibuilt of Kront over of Farms of Manhard, on the front over the statestation as seen by Brock over the statestation seen by Brock Gordon Manhard, of Manhard, on the from cover of Farm and Dairy, some months ago. This illustration was seen by Prof. W. J. Kennedy of the low Arricultural College, who then looked over the Holatein advertisements in Farm and Dairy, and ad-vised Mr. Thateher to visit the Broekville district for the stock he wanted. The stock purchased by Mr. Thatcher is The stock purchased by Mr. Thatcher is

district for the stock he wanted. The stock purchased by Mr. Thatcher is exceptionally well bred, and for the most part from stock with large milk records. The purchase comprises 12 animals secured from Gordon Manhard, three from T. A. Goodison, and two from B. J. Sturgeon, all of Manhard is Mr from G. A. Gilroy, of Glen Ruell; 19 from J. D. Truesdell, four from Thomas Davidson, and fave from M. A. Tron or the second seco

ndder will take care of itself.-Malcolm H. Gardiner, Supt. of Advanced Registry.

Argument, supt. of Advanced Registry. A NEW WORLD RECORD Missouri Chief describine, a floaterin-Friesian could be a superior of the super-souri College of and developed at the her six months test on July 186, minhed had been made for this test and Josephine had been made for this test and Josephine have anived that, barring accidents, this ing daily so that, barring accidents, this sup other over that had 18 months that have other during a record sensed to persent world's record sensed is 186 pounds.

COSSIP Exhibitors in the Livestock section of the Conadian National Exhibition will be interested to know that the barns have been renovated and that the horse stabiles have been floored with blue clay. The starw barns have item distributed to more envenient locations. The new Poultry arraw on the nave energy distributed to more convenient locations. The new Poultry building, which will be of the most mod-ern description, will be ready for this year's exhibition will be a daily par-ade of live stock after they are judged.

Dr. Bell's Veterinary Medical Wonder configuration of lungs, bowels news. The aoth century wonder. Agents wanted very county. Write for a free trial \$r bottle. This r only good for fo days. Limited to gos bottles. DR. BELL, V.S., Kingston, Ont.

MISCELLANEOUS TAMWORTH AND BERKSHIRE SWINE.-Boars and sows for sale. J. W. Todd, Corinth, Ont., Maple Leaf Stock Farm. Etf

TAMWORTHS AND SHORT HORNS FOR SALE I An "Unit no Anto ununt numno fun ohut. Savaral choice young Sows aired by lung Boar, dams oy Golwill's Choice, Canada's Uned ion son 1981-3 and '5, recently unu of the source of the source of the tured sows. A feek hog Ahoo a few ma-tured sows. A feek hog Ahoo a few ma-tured sows. A feek hog and the source of the choice of the source of the source of the choice of the source of the source of the off the source of the source of the source of the prime right.

A A. COLWILL, Box 9, Newcastle, Ont PURE BRED HAMPSHIRE PICS FOR SALF

# A few nice young Hampshire pigs for sale at a reasonable price, if sold soon, to

J.H. RUTHERFCRD, CALEDON EAST, ONT.

DON JERSEY HERD

Wish to announce that they will be a Toronto Exhibition and cordially invite visitors to see their stock. Offering young stock of both sex for sale. D. DUNCAN D. DUNCAN, Don, Ont.

D. DUNCAN, Don, Ont. Duncan Station, C. N. R. Phone Long Distance, Agincourt



RAVENSDALE STOCK FARM PHILIPSBURG, QUE.

CLYDESDALES, AYRSHIRES, YORK SHIRES.-Special offering: Two bulls, 10 months old, of good dairy type; also colts and brood marcs, high grade or pure bred. Write for information, prices. YORK. W. F. KAY, Proprietor

AYRSHIRES OF ALL AGES Imported and homebred. Write for rices, which you are sure to find attrac-

LAKESIDE FARM, PHILIPSBURG, QUE. GED. H. MONTGOMERY, Prop. 156-11 164 St. James St., Montreal

"La Bols de la Roches" Stock Farm Here are kept the choicest strains of AYRSHIRES, imported and home bred. YORKSHIRES of the best bacon types. WHITE ORPINGTON, WHITE WYAN. DOTTES and BARRED ROCK Poultry. HON. L. J. FORGET, Proprietor Manager

E.6.7.11 Ste. Anne de Bellevue, Que. 0.9-8-10



GORDON H. MANHARD MANHARD, ONT., Leeds Co., 3-11-10

bred to a first class bull? Francy 3rd's Admiral Ormsby heads our herd. Dam, Francy 3rd, Canadian Champion Butter Cow. Sire, Sir Admiral Ormsby, sire of the world's champion 2 year old heifer.

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Hoaded by the great young size, Dutch-land colanuba Sir Abbekerk. Dam, Tidy Pauline De Kol, bniter 7 days, 23.44. Sir's dam, Colanuba 4th's Johanna, butter 7 days, 5.22. Average of dam and sire's dam, 31.33 lbs Bull calves offered, one to seven months old, from dams up to 25% lbs. butter in 7 days.

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