

# **Bowl Spindle** -Troubles

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

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



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

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

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

Thousands of the SELF - BALANCING LINK - BLADE SEPARATORS are now in use in Canada

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### Present System All Wrong S. Redu d. Peterboro Co., Ont.

S. Retained, Pietroor O., Ont. The present system of assessment is all wrong. I really fail to see where there is any fairness in the tax at all. I am about the largest tax-payer in this section simply because I have improved the buildings and brought them to the shape they are now in. It is all very fine to say why do I not leave the buildings as they were and not improve them. If a man's business grows he has to have more and better accommodation, tax-es or no taxes. es or no taxes.

es or no taxes. My idea of taxes is that the land value only should be taxed, not the buildings. Then there would be more of a uniformity about the tax. For instance, my neighbor and I might have two farms and on each there is exactly the same sort of buildings, and the land is of the same value. We the land is of the same value. We both are taxed exactly the same at that time. Igo to work and pull down one of my old buildings and put up a more modern one as I require more room. The consequence is I an asa-essed up high for my improved barn, and yet my neighbor who has identi-cally the same land as myself is let off simuly hecomes has is cortext to he off simply because he is content to be behind the times and let things go, or in reality mostly because he is afraid of the tax

of the tax. It is high time it was altered and a more uniform method of taxation brought forward. There seems an un-decrurrent of feeling against it among the farmers generally. I should not be surprised if they begin to agitate pretty strongly for its removal.

### Farm Motor Competition

Probably the most interesting and novel exhibit judged from the stand-point of utility in farming operations was the agricultural motor test at the Industrial Exhibition at Winnipeg. This feature attraeted wide-apread attention, experts coming from as far away as Australia and the Argentine The United States Government was also represented by an official of the arricultural decontinent. agricultural department.

English manufacturers who are really the pioneers of the industry were not successful in the competition as not successful in the competition as they were not aware of the conditions of the soil and climate. Their agents have gone back prepared to profit by their experience. Some of the ma-chines entered did excellent work.

### Dairy Show at Chicago

The third annual dairy show will be held at Chicago, in the Coliseum, December and to 10th inclusive. In an announcement about the show the an announcement adduct the salow die management states that it desires to make this dairy show a strong repre-sentative of all dairy interests, to bring together dairymen, butter and cheese makers, farmers and manufac-turers of dairy products from all parts turers of dairy products from all parts of the country, for educational pur-poses; also to present the best and most up-to-date makes of dairy ma-chinery, and to show choice herds of cattle, representing all the different dairy breeds. The occasion will be the big event of the year for dairying. The different branches of the dairy interproper like be so represented that the proper data and magnitude of this industry. industry.

industry. The purpose is to make this exhibi-tion of cattle and machinery some-thing more than a show. It is the purpose to make it a strong educa-tional affair where questions of nat-ional import may be discussed, and plans made for a greater development of all dairy interests. The first two shows were a success, and it is the ter, bigger and more insuccet. ter, u All communications concerning

this show should be addressed to the National Dairy Show Associations, 154 Washington street, Room 307, Chica

Washington succe, Room 307, onnea-go, Ill. Éven, although it has been decid-ed to enlarge the Guelph Winter Fair, the movement in Canada favoring the holding of such a show, should not be allowed to drop. It is only a mat-ter of time when the need for such a show will be recognized by everyone.

### Dates of Fairs for 1908

Sherbrooke, Que., August 20th to eptember 5th. Canadian National Exhibition—Aug-

Ganadian National Exhibition—Aug-oth to Sept. 14th. Halifax, N. S.—Sept. 2nd to 10th. Western Fair, London, Ont.—Sept.

Western Fair, London, Ont.—Sept. 11th to 19th. St. John, N. B.—Sept. 12th to 19th. Central Fair, Ottawa, Ont.—Sep-tember 18th to 26th. St. Thomas Horse Show, St. Thom-as, Ont.—September 22nd and 23rd. New Westminster, B. C.—Septem-ber 20th to October 3rd. International Live Sock Exhibition, Chicago—Nov. 28th to December 10th. Wintor Fair Gundho Dec 7 to 11

Winter Fair, Guelph, Dec. 7 to 11.

### **Items of Interest**

Mr. Fred Dunn, of Lansing, York County, Ontario, recently shot two white crows. Such crows are very

Mr. Wm. White, vice president of the C. P. R., says that the west will require 25,000 harvesters to garner the crop. From present appearances, harbegin by August 15th.

Farmers living in North Monaghan Township, Peterboro Co., complain of the speed of some automobiles. They state that they travel faster than the law allows and seem to have no regard for the rights of others using the road.

for the rights of outers using the road. While a ten-year-old child named Rogers of Sweaburg was petting a horse in the pasture is suddenly became unruly and attacked her with its teeth. The child was very badly injured and her face was so torn that it will be disfigured for life.

James Weir, Sandilands, Lanark, Scotland, will judge Clydesdales, at the Canadian National Exhibition, Tothe Canadian National Exhibition, 10-ronto, this year. It has been resolved to depend upon home talent for the judging of Shorthorns, and Mr. W. D. Flatt, Dundas, Wentworth County, has consented to act.

A case of apparent poisoning de-veloped at Tilaonburg when Mr. Kyte and two children were rendered viol-ently ill after they had partaken freely of buttermilk. The buttermilk had remained some time in a tin yessel which is the cause assigned for their condition. condition

condition. Mr. R. J. Guthrie, a representative of the Daily-Mail at Sydney, Aus-tralia, is in Canda studying griedu-tural conditions. Recently he solited upon Mr. C. C. James, Deputy Min-ister of Arriculture for Ontario, while on his way to the Gaugh Arricultural College. He has visited New Zealand and Europe and from Canada, he will go to Michigan. An outbreak of here able.

An outbreak of hog cholera is report-An outbreak of hog cholers is report-ed from Woodstok, One hundred and eighty pure bred Yorkshire hogs be-longing to Mr. J. W. Boyle were abto-recently by order of the Dominion inspector. The hogs were fine ani-mals and the loss will be considerable, though Mr. Boyle will receive two-thirds of their value from the Govern-ment. The hog cholers, it is presum-ed got into the herd from passing trains. The severe measures were taken to crush out the disease and gtop it from spreading. Orders have been it from spreading. Orders have been issued that no more hogs be raised on this farm for three months. The car-casses have all been buried.

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### AGRICULTURE, THE KEYSTONE OF CANADIAN PROSPERITY FOR WEEK ENDING JULY 29, 1908

The CANADIAN DAIRYMAN

No. 28

Only \$1.00

a Year

### Bee Keeping a Branch of Agriculture

R. F. Holterman, Brant Co., Ont.

HEN we look upon the art of bee-keeping. and the bee in the past we find that they stood high in importance. In ancient days honey was practically the only sugar known, and Scripture with all its authority points to honey as an acceptable and enjoyable food. The science of to-day, owing to the inverted condition of the sugar, the volatile oils and the aroma of honey, fully endorses any statement that in ancient times was made about honey.

For the investigating mind, the bee is food. Our most classic ancient writers found scope in the bee for research and for pen. Their judgment has been sustained and their example followed by eminent scientists of the present day.

### SUBJECTS FOR NATURE STUDY

Colleges or schools that, in undertaking the

work of nature study, and have not an observatory hive or hives, are not availing themselves of the opportunity of having, within available reach, at all times, during the active season, specimens showing the various stages through which insect life passes. Neither have they made use of a study in nature which can and does awaken the greatest enthusiasm and interest.

When we look upon beekeeping in its importance to Canada and Canadian agriculture, and particularly to Ontario agriculture, we have an industry that will bear the closest scrutiny, and a business which should have every encouragement.

Intensive agriculture must play an important part in Ontario and some of the other provinces. Fruit growing, poultry and bee-keeping must enter largely into this scheme of intensive farming.

### BRE-KEEPING UNJUSTLY DEALT WITH

There is no line of agriculture that has been more unjustly dealt with than bee-keeping. The treatment which it has received officially at Ottawa and by the provinces is such as we might expect from the autocrat to the humblest subject of all Russia. Bee-keeping has not been granted a fair hearing or trial. It has been in act condemned as unworthy. Bee-keeping is a legitimate child in the agricultural family, and as fair to look upon as any in Canadian agriculture, and yet it has been tossed from its legitimate home-the Department of Agriculture-in seasons of darkness and has been left largely to be nourished and developed by anyone who has had kindness of heart enough to take it in and give it a little fostering care. It was left in this way at a time when undisturbed enterprise had perhaps already

ample to occupy his care and attention, and was already handicapped by not receiving the help which other lines were receiving. All this happened to bee-keeping in the face of being taxed to foster the other industries

fertility of the farm. Honey like , butter is a carbo-hydrate. The hives can stand in the orchard or pasture, or some other place where they displace no other crop on the farm. The food of the bees takes nothing from any crop available for sale. Moreover, the greatest scientists of the world after keen and careful research, and is it not reasonable, tell us the bee is of inestimable value in the pollenization of blossoms. Thus, one year with another, bees insure greater fruit crops, and greater returns of clover seed and buckwheat. Practical experience has borne this out. Yet, with all our boasted mediums for distributing in-

were nearly 650,000 lbs. It is unfortunate that such should be the case. The imported goods are generally much inferior to our own, and the consumption is thereby correspondingly decreased. With the increase of population in the West, as well as in other parts of Canada, the demand for honey will increase still more. We cannot expect to meet this increased demand as our output has actually fallen off.

### LEFT TOO MUCH TO THEMSELVES

The average bee-keeper manages his bees as if they could run themselves. Between this mistaken notion, bad seasons and foul blood, which latter the Hon. Nelson Monteith has taken active measures to stamp out, we have a decreasing number of colonies.

If the future has brighter and better things in store for this industry, than had the past, remains to be seen. Bee-keeping is a business. It requires the care and attention that any other le-

gitimate business does .. It should be left alone by those who do not intend to give it study, care, time and attention. The attitude of the Department of Agriculture should not practically endorse the idea that bee-keeping requires neither care nor attention. It should give bee-keeping the encouragement and help that its importance, not only in itself, but in its relation to other lines. agriculture, amply of justifies and warrants.

The future of the industry depends upon the work and enthusiasm of the men who keep bees as much as it does upon the action of the Government. It can be doubly ensured by co-operation among

formation, some men look upon a bee as an insect | which sucks the strength out of the plant, and injures the crop.

Let the foremost agricultural province in the Dominion at least, accede to the request of the Ontario Bee-keepers' Association, and the Ontario Agricultural and Experimental Union, and conduct experiments to ascertain the effect of bees working upon blossoms. Such an act, and the resulting data, would be published over the civilblrow have

### REQUIRES BUT LITTLE CAPITAL

Bee-keeping does not require the large capital that general farming requires, in order to afford a living. Bee-keeping can be worked up gradually. Canada, and particularly Ontario, has at World's Fairs won a reputation for the quality of its honey that other countries have never approached.

Every portion of Canada is not suited for beekeeping, but a very large portion of Ontario is exceptionally well adapted to this industry. Our imports of honey some ten years ago averaged about 22,000 lbs per annum. Last year the imports keeper must do his part. He must combine, energy, skill and good judgment in caring for his bees

Such care and attention on his part will set a standard that will convince our Government that bee-keeping is an in. wortant branch of agriculture.

### The Eradication of Perennial Sow Thistle

G. A. Brethen, Peterboro County, Ont.

Until about five years ago, the Perennial Sow-Thistle and I were complete strangers. However at that time upon the purchase of a farm with one field very badly infested with this troublesome weed, I made its acquaintance to my sorrow. From our very frequent arguments since that time as to who was to be owner of that field, I have learned to recognize "Mr. Sow-Thistle" quite readily and I have also learned some of his most important strong as well as weak points.

Being young and enthusiastic, I immediately got busy according to the best of my knowledge at that time, to rid the field of all trace of sow-



### BEE HIVES IN AN ORCHARD

Beekeeping is closely interwoven with other branches of agriculture. The bees are of inestimable value in fertilizing blossoms, and insuring good crops of fruit, alsike and buckwheat. The apiary shown in the illustration is owned by Dr. J. Harkness & Sons, Dundas, Ont. them. To make legislation effective, the bee-



July 29 1908

thistle. The field being in hay, the year I started, I cut the hay early and plowed immediately. I worked the field well with an ordinary springtooth cultivator and harrows, all season, then cross-plowed it in the fall. The following spring I sowed the field to spring grain. From this I cured a pretty fair crop of grain, also sow-thistle. This season's work convinced me that this method was no good for cleaning out the "vellow scourge."

Having great faith in a root grop as a weed des. trover I placed part of the field in roots the following year, and having heard that two successive crops of buckwheat would completely eradicate sow-thistle, I placed the balance of the field under buckwheat, sowing the first crop about the middle of July, about one bushel per acre. This crop which grew very thick was plowed under about July 1st.

Both methods, root-crop, and double crop of buckwheat proved a failure, so far as cleansing the ground of sow-thistle was concerned. I did not plow after these crops, but merely ribbed up the ground in fall, hoping the action of the frost would deal it the death blow. However, the hope proved vain when the warm weather appeared again.

### . THE MOST SUCCESSFUL METHOD

In 1906 I tried a new scheme and I think this plan if carried out thoroughly, with probably some slight modifications in suit different farms and farmers, is the most advanced and successful for the eradication of sow-thistle yet arrived at.

Having read something of the use of broad-share or thistle cultivator points, I procured a set, and attached them to an ordinary spring-tooth cultivator. I plowed the field four or five inches deep about June 6th and cultivated at least once a week until July 14th. Then I sowed to buckwheat,, one bushel to the acre. My object was to smother any remaining sow-thistles. The fall of '06 being exceptionally free from heavy frost my buckwheat ripened and produced a magnificent crop of grain of very fine sample

But to return to sow-thistle. After the first stroke of the cultivator the ground was white with big, strong juicy roots ready for a big season's business. After the last stroke of the cultivator about the middle of July, any roots appearing at all, were shrunken and blackened like last year's stubble. That these roots lacked life was proven by their non-appearance in the buckwheat.

Unlike twitch or quack grass which must be killed by exposing the roots to sun or frost to ramove its sap, the sow-thistle with its more brittle roots is best killed by encouraging roots to grow or produce plants, then cutting these plants before leaves are produced and thereby slowly starving the root stalk.

### THE PRINCIPLE OF ERADICATION

The principle as I understand it is simply this: Each plant must get nourishment enough from the root stalk to carry it to the surface. Then if unmolested, its leaves shoot out and draw considerable nourishment from the air. This nourishment is returned to the root leaving it as strong as previously. Now if the plant is severed from the root before the leaves have a chance to work, the root immediately draws upon its supply of nourishment and starts another plant. If the cultivator arrives sharp on time and gets plant No. 2 before it breathes the life-sustaining air, the root stalk will be called upon to start a new child on its way to the surface. Now the process goes on, if the man with the cultivator "means business, and means it all the time," until the big juicy root has given of itself until its last vestige of plant nourishment is gone. The root itself has failed to a mere skeleton, and as it is too weak to give birth to another plant it just simply makes up its mind to die. Then, farmer, it is your time to laugh and sow your rapid-growing, sturdy buckwheat or rape to fatten on the skeletons of sowthistle, and take advantage of your thorough cultivation.

A GOOD THREE YEARS ROTA' ON

In dealing with sow-thistle, one of our most persistent weeds, as with any other work in life, the old maxim, "What is worth doing, is worth doing well," applies, and underlies the whole scheme. I can see no reason why any farm with proper drainage can not be made and kept

practically clean with the following three-yearrotation : First year clover; 2nd year (the cleaning year) corn, roots, etc. for land infested with wild oats, herrick, etc. and similar treatment to the one I have described above for sow-thistle, bindweed and kindred plants with creeping root stalk. Third year without plowing any of the land used in 2nd years rotation, sow to grain seeded with clover.

### AGRICULTURE IN THE HIGH SCHOOLS

### A Review of the Work that Has Been Carried on by the Agricultural Specialists at Morrisburg, and at Essex, Ontario,

IN connection with the new movement in agriculture, the work at Morrisburg has been conducted under the direction of W. A. Munro B. A., B. S. A. In a letter to The Canadian Dairyman and Farming World, Mr. Munro describes his work as follows:

The teaching of agriculture in the Morrisburg Collegiate Institute has not yet become a possibility, notwithstanding the fact that the teacher, the equipment and the grounds are all that could be desired. No students have yet expressed the desire to take up the subject in the Collegiate course. It was evident to the teacher in September, when no students registered, that something must be done to show farmers the great need of agricultural education and the opportunities that were afforded of acquiring that education in the high schools. There was no precedent and much time was lost in feeling for the best policy.



an elaborate short course to be held in Morrisburg in January and the farmers considered it the main thing in prospect, but no one could be made to promise to be in attendance for the length of time required. This was not because they lacked faith in it but simply because of the vexed W. A. MUNRO, B.A., B.S.A. labor question. There

Plans were laid for

did not seem to be more men on the farm than could do the work and time could not be spent in attendance at the short course. This plan had to be rejected.

"The new policy was to hold one day of the short course in each representative centre through out the country and the work of the agricultural teacher during the whole winter has almost altogether been confined to the holding of what he has chosen to call "Day Schools" the subjects particularly dealt with being, "Horses" "Cattle" and "Grains."

"To illustrate in detail what a day school is, it might be well to outline a day on "cattle." By previous arrangement a blacksmith shop had been secured for the afternoon and a hall for the evening meeting and three cows each of Ayrshire and Holstein, and a bull of either of the breeds for the afternoon demonstration. At 1:30 o'clock a representative dairy cow was scored, plenty of opportunity being left for the farmers to ask questions and make suggestions. The scoring took up about one hour and a half. Three cows of one breed were then brought into the ring and the class asked to judge them. After each an interesting discussion took place followed by the decision of the expert with reasons. The three cows of the other breed were likewise dealt with after which a demonstration was given on the desirable characteristics of a dairy bull.

"The evening meeting was a continuation of the afternoon demonstration and took the form of

a lecture on some phase of the dairy industry. The chairman of the evening meeting was usually appointed from the farmers at the afternoon demonstration. After the dairy question had been dealt with at full length the instructor gave a brief but definite outline of the scheme of the new movement in agricultural education.

"In nearly every place visited a vote of thanks was passed and an urgent request put in for the instructor to come again on some other subject. The best evidence of the success of the day schools lies in the fact that the second meetings were invariably better attended than the first.

"The office is no mean consideration in the new plan. The Motrisburg office is large enough to comfortably seat 70 people, is on the ground floor and has a large plate front. There are two large reading tables with over 36 newspapers and Agricultural Periodicals, and shelves containing bulletins from different American States, and books on different phases of agriculture. It is fast becoming a rendezvous for farmers without the indignity of being a loafing place

"On March 28th a "Farmer's Club" was organized which is to meet month! and discuss some one question at each meeting. Prospects are bright for good demonstration work being carried on, on the grounds. The public and high school children are helping in this.

"The citizens, teachers and students of the Morrisburg district are continually gaining a better opinion of the new movement and everything points to its becoming one of the prominent corner stones in the Educational development of Old Ontario,"

### AGRICULTURAL EDUCATION IN ESSEX COUNTY

Mr. A. McKenney, B. S. A., the representative at Essex of the Department of Agriculture, whose portrait appeared in our issue of July 8th, has written us as follows: "The geographical situation and climatic conditions of Essex County place it in a position very much by itself in so far as its agricultural possibilities are concerned. Situated on the 42nd parallel of latitude, the climatic conditions are such that the farmers of the county are enabled to grow with a fair degree of success. almost any crop that can be grown in any other part of the world. Such crops as corn, tobacco, and even sweet potatoes may be grown to a degree of perfection nearly equal to that of the countries to which these crops are indigenous. The great variety of special crops which are grown in the county makes the field for investigation work a very broad and interesting one.

"It has been my duty since coming to the County to make a special study of the crops and conditions as well as of the special needs and problems of the growers. The interests of the farmers of Essex County are many and varied. The board of the Essex High school is composed of men who fully recognize the value of education to the farmer, and they have done much by their personal help and generous financial assistance to give the new department a proper start. The Essex county council also supported the work of the work being handicapped for lack of fi-

of the work being handicapped for lack of fl. nances. The farmers of the county had not asked that a department of agriculture be established in connection with the Essex High School and, though we met with no active opposition, in the greater number of cases we had to contend with indifference. This was, however, chiefly due to the fact that the work was not thoroughly understool.

"As it was necessary to open the schools in September, there was scarcely sufficient time to demonstrate clearly to the farmers exactly what it was intended to take up in the school. The course in agriculture was, however, explained as fully as possible tarough the medium of the local press and by means of printed advertising matter which was thoroughly circulated throughout the county. This, supplemented with a great deal of personal work, was the plan of our campaign conducted before the school opening. When the school opened, we had, as a result of our efforts,, two students who registered for the work in agriculture. These boys spent four half days a week of their time upon agricultural subjects, the remainder being taken up with the regular obligatory subjects of the high school. The course so far has been very popular with these boys who Eases, it has been more difficult for the Department of Agriculture and the college at Guelph to keep in touch with the farmers than perhaps any other part of the province and, for this reason, it is necessary for the Department of Agriculture to have a man on the spot to get acquainted with the conditions as they exist and, knowing the conditions, to put the farmers in touch with the solutions of the problems they are up against."

### Fitting Dairy Cattle for Show

Each year one sees new faces in the show ring. As the judges perform their work, the eager look of expectancy on those faces proclaim them to be amate:..s. The time to commence a little fitting being now at hand, a word as to "how" may not be amiss.

The first and perhaps the most expert work is selection. In these days of keen competition nothing but he very best need be taken it to consideration. Indeed after the "very best" is selected there is danger of the prizes going to an inferior animal that has been better fitted. In speaking of fitting, we do not altogeth r mean fattening. A dairy animal need not necessarily be a very fat animal. On the other hand, the not do this noble breed any credit. We hope to live long enough to see a judge with back-bone enough to give the red ribbon to an animal not so adorned, providing other things are right. However, for the present we must do "as they do in Rome" if we expect to receive any attention from the officiating judge.

Training our show animals is another feature of fitting that should not be neglected. They should all be well halter broken—trained io lead. Above all train them to stand still. Nothing taxes the patience of a judge more than to have to run all around the ring in order to get his hands on a wild creature. This may seem a useless waste of time, but when all the animals in a class are evenly matched, a very little turns the scale, and that "very little" may easily consist in some of the points above mentioned..."Old Bhowman."

### Just as Good with Less Work

John R. Philp, Grey Ca., Ont Our method of handling elover, until late years, since help has been so hard to get. was to cut in forenoon after dew was off. We raked it the same evening, or as soon as the rake would gaths: it. Then we coiled it up and let it stand is a day or two.



### THE WIND-UP OF THE HAY SEASON ON THE FARM OF MR. GEO. STEWART, DOWNSVIEW, ONT.

Though many oppose the Hay Loader, it soon becomes a favorite once it has been used, and its usefulness as a labor saver has been established. Seeing is not always believing. With the Hay Loader one must have used it in order to thoroughly appreciate its advantages. By making use of such labor saving machines, the main operations of the farm are gotten through more quickly, and more time is at one's disposal for the ir numerable other things that always need doing.

have signified their intention of remaining for the two year's course and at the end of that time, entering upon a more extended course at the Ontario Agricultural College.

### USED THE FALL FAIRS

"I have already mentioned the fact that we met with a great deal of indifference among the farmers when we first began to introduce the work in agriculture. In order to overcome this, it was decided to use the fall fairs as a medium through which to show them the practical nature of the course which we intended to give. At the county fair a judging competition for young men was instituted and suitable prizes were offered to induce them to enter into the different classes. Eighteen young men entered and the competition was in every way successful and did a great deal towards popularizing the work taken in the high school. As a supplement to this work we made at every fair in the county, except one, an attractive exhibit, each feature of the exhibit being such as to impress thoroughly some practical feature of the work taken up by us in the school.

"Another side to the work which we have been doing in the county is in connection with the local office of the Department of Agriculture. Through the work done in this office the agricultural department in the high school will eventually be made a success. Through this office, we are able to bring the farmers into more direct touch with the Department of Agriculture and the Ontario Agricultural College.

"Owing to the nature of the crops grown in

time has passed when a dairy animal, in order to be a good one, must be a skinny one. After we have selected the herd that we think are among the best, the next step is a little extra feed. A good pasture is essential with plenty of shade and running water. Bring the cattle along gradually, getting them accustomed to grain feed. Not too much at first. Bran and crushed oats and a little linseed meal or ground flax, a little at a time is all that could be desired. Bring the cattle up to a full ration by degrees.

The greatest difficulty the young showman has to contend with is the danger of over feeding and getting the estile "off their feed.". This can be avoided best by commencing to fit in time, and not feeding too much at first. Always see that plenty of succulent folder is given along with the grain feed a month at least before the show season is on, the cattle should be inside most of the time, in cool well lighted and ventilated stables. If let out for exercise is should always be at night. Keep them in the stable in day time out of the heat and away from the annoyance of flies.

Thorough grooming every day, washing with soft warm water and an occasional sponging over with thick sour milk or buttermilk will give that mellowness of skin that adds so much to their handling qualities.

If we are showing Ayrshires, fashion decrees that the horns get a good deal of attention—scraped with glass, rubbed with sand paper and oiled until they shine like a mantle ornament. We are old fashioned enough to think that this does Of late, instead of coiling the hay we leave it in the windrow to cure. Then we use a hayloader to load it. We find we can make hay just as good following this practice as we did by the former method; and we do it with a great deal less work. Of course this practice is good only in favorable hay weather. Sometimes we are obliged to coil a little. We cannot set any cast iron rale as regards haymaking without knowing just the kind of weather that is in store for us.

### Sows Farrowing in August Geo. Rice, Oxford County, Ont.

Convenience in feeding hogs is the great thing. In the summer we have water in every pen and feed all the chop dry. In that way a man is able to feed a couple of hundred pigs in about 20 minutes. A lot of rape is grown for summer feed, which keeps the pigs healthy and makes cheaper and better pork.

It is better to have the pigs come in during August or early in September, in order that they may get a good start before the winter comes on. They require lots of exercise when young and when born later in the year they have to take exercise on cold stormy days and consequently do not do so well. When the pigs come in August the sow has a pen to herealf in one of the hog yards and she sleeps in a hut. The pigs, when about three weeks old are allowed to run out into the lane through a hole in the fence, and they are given a little feed by themselves. They ason get so that they will eat peas or corn.

5

udge, his awards giving entire satis-action. In the Holstein classes, The

Munro Pure Milk Co. of Winnipeg won most of the prizes. The honors in Ayrshires were divided between R. R. Ness of Howick, Que, and Robt. Hunter & Son of Maxville, Ont, An

eastern herd of Jerseys swept almost everything in their class. A few

everything in their class. A few Dutch Belted cattle were on exhibition,

Sir

xhibitor

WM. OWENS.

Wm. Van Horn, being the main

The chief competition in Ayrshires

Sons came second with their imported

AYRSHIRES FOR SALE Of both sexes and all ages bred from deep milking stock with good udders and long teats. Four young bulls, dropped be-tween September and January last. Prices researching

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HUME FARM AYRSHIRES

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

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THIS STADACONA AYRSHIRE

THIS STADACONA AYRSHIHE desrves special construction Bull, dropped July 16, 1907-Bire, Bir Oliver of Wood-roffs, 1663, Lat Quabes 6 and Wi, Zad Shadanona Silver Queen, 2003, now in the test. She has given in 260 days more mil-har uncedet to qualify for Advanced Res-istry, and is due to caive Says more mil-her time limit. Her official test, 3 months Bilver King, Price, 589 for days before her cause prices 50 for the same bar Bilver King, Price, 589 for the same bar. Bec. Ous. Langelier, Cap Rouge, Oc. Que bec.

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E 6-23-09

D. BODEN,

Manager

6

# HOLSTEINS We must sell at least 25 cover and helf ers at once, to make room for the natural increase of our herd. This is a shance also have a first young buils. Pontias Rernes, Imp, son of Henderveid DeKol, world's greatest sire, hoad of herd. Come and see them.

H. E. GEORGE CRAMPTON, ONT. Putnata Stn., 1% sulles-C.P.R. E-ti

HOLSTEIN BULL CALVES FOR SALE

month to nine months old, bred the stock of J. W. Richardson, of lonia, and J. W. Clemons, of St ge. Prices reasonable. George.

### JOHN MACKENZIE, E 8.12 Willowdale, Ont.

### HOLSTEINS

I have only three sons of Bright Canary to offer for sale. Speak quick GORDON H. MANHARD

### Leeds Co., Manhard, P. O., Ont. E 6-2-09

### SUNNADALE HOLSTEINS

was between R. R. Ness and Robt. Hunter & Sons, For cow three years and over R. R. Ness won first with Lady Clara of Burnside; Hunter & OUTRABALE HULSTEINS Buil caives from 2 to 4 months old, aired by Datchland Bir Hengervill Maple Gröft, he is imported from the celebrated Fields herd, champion herd of the world, sized by Pierie Hengerville Gount Dekki, champion buil of the world. He is the only first hat has two daughters that made over 30 He butter in 7 days officially. Prices reasonable. A. D. FOSTER cons came second with their imported cow, Auchenbairn Cheerup; Ness won third with Moss Rose. In the two year old heifers, Robt. Hunter received first with a deep-bodied, well developed cow, Queen Kate; Ardyon, also belonging to

A. D. FOSTER. Bloo E-0-4-21-09

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

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

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### AYRSHIRES

### AYRSHIRES AND PONIES

A few bull salves of 1908, and a fine pair of young light bay imported Shetland mares for sale. P. A. Beaudoin, 107 St. James St., Montreal. 0-6-2-09

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Bull Calves dropped this spring. By im-ported Bull. First prize Toronto, Ottawa, and Halifax. Long distance phone W. W. BALLANTYNE, Stratford, Ont.

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### SPRINCBROOK AYRSHIRES

are noted for being large producers of milk, testing high in butter fat. Young stock of all ages for sale. A few choice bul leaives of 396 now ready to ship. Prices right. Write or call on W. F. STEPHEN,

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SUNNYSIDE AYRSHIRES BUNNTSIDE ATHENTINES Have been bred and imported with a view to combine quality with production. The herd contains some noted winners. Nether Hall Goodime (Imported) now heads the herd. Young stock for sale. Addressheads

### J. W. LOGAN.

LAKESIDE STOCK FARM Ayrehires. Clydesddies and Yorkhires. Imported and Canadian bred. I offer for also bull, and baller. There of handling bred. I offer for also bull, and baller. There of handling bred. Status for number of choices forkhire press. GEO, H. MONTGOMETOV 7.

Philipsburg, Que. 9-tf Ayrshires on Ste. Marguerite Farm St. Armand Stn., C. V. Ry.

St. Arrannal Stan, C. Y. Ry. Ort Ayraniros on Site. marguerrae Farm BTONEYCROFT STOCK FARM. Harold M. Morgan, prop. Ste. Anne de Bellevue. Choice young Ayrahiro Bulls and Hefrer for sale. Vorkahire pies from a status in term and a strain strain and Borophire Bhees. Write est quality. Write for prices. A. BUORKELAND. Mer. Estada

E. W. BJORKELAND, Mgr. E-12-9-08 0.6.09

STOCKWOOD HERD OF AYRSHIRES stands for everything that is best in this Dairy Breed. Our success in the show yards proves the excellence of our herd FOR SALE-Stock of both sexes. D. M. WATT, St. Louis Station, Quebec

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

Winnipeg Industrial Exhibition Hunter & Sons, came second, while Ness was third with Burnside Nellie In exhibits and live stock, the in-Ness was third with Burnshite Neine Burns, a very straighblind cow with a typical head and a well-developed chine and smooth shoulder. In the one year old heifer class, R. R. Ness was first and Hunter & Sons second and Fearth Show third. For the dustrial exhibition which closed on the 18th surpassed any fair ever held in Western Canada, though a very heavy rain-fall in the middle of the week slightly upset the calculations of the directors. and Egerton Shore, third, For the herd prize, R. R. Ness came first, Hunter & Sons got second and third. of the directors. There was a fine exhibit both in numbers and quality, in the dairy cattle section of the show. W. W. Ballantyne of Stratford, officiated as

### THE BEEF CLASSES

The Shorthorn classes were one of the strong features of the show. The the strong features of the show. The chief exhibitors were Sir Wm. Van Horne, C. E. Clark of St. Cloud, Minn. A. D. Stewart of Westbourne, W. G. Frank, East Schkirk, T. E. M. Bant-ing, Wawanessa and others. Prof. Curtis of Ames, Jowa, acted as judge. Aberdoon Ameris, cettle were well re-Curtis of Ames, Iowa, acted as judge. Aberdeen Angus cattle were well re-presented by a number of western breeders. Herefords were exhibited by Jamea Bray, Portage la Prairie, J. E. Marpies, Deleau, Man; John Wallace, Fenton Bros, of Solsgirth Gallowsys- we C. E. Clark, Bt Cloud, Minn., and D. McRae of Guelph, Ont. Ont.

Sheep made a good exhibit, Leices-ters, Shropshires, Cotawolds, Oxfords and South Downs were represented. Swine were represented by several western herds.

### HEAVY HORSES

Great interest was taken in the Cly-desdale classes. Prof. W. F. Carlyle, of Colorado, was the judge and he had a diff.cult task to perform. In the brood mare classes there were 14 anibrood mare classes there were 14 ani-mals appeared in the ring. Baroness of Hillcrest, sired by Baron's Gem and owned by R. H. Taber of Condie Sask, was first. The excellent underpinning and true action of this mare accounted for her position as she was somewhat out of condition. In the stallion classes, the four year old horse, Prince of the East, belonging to Hogate of Brandon, came first. There were a large number of exhibitors, the chief arge nullber of exhibitions, all clinic zmong which were Hogale of Bran-don; Sir Wm. Van Horne, Mercer and O'Neill, Mackdale, Ont; Bryge of Arcola, Man.; Steele of Glenboro, Man.; John Graham, of Carberry, Man.; John Hay of Hannah, N. D.; Patti, Wath, Schultz, Sc Wawanessa; Hodgson, Ro-Banting, Wawanessa; J land, Man.; and others.

The Percheron exhibit was a fairly strong one, the breeders, represented were Hogate; Geo Lane of Pel:isko, Alta.; Tenaille, Maple Creek, Sask.; Upper Bros., North Portal, Sask.; and others. The lighter horses—; and ardbreds, roadsters and thoroughbreds, as well as the hackneys and ponies made strong exhibits in their various classes.

### HORTICULTURAL EXHIBIT

In the fruit building, the principal In the fruit building, the principal exhibits were those from British Col-umbia and Ontario. The exhibits were well displayed and made a very attractive exhibit. A good range of fruits from several of the principal points in British Columbia such as Nelson, Kelowna, Kaslo, Chiliiwack and Victoria were much admired. The exhibit of tomatoes packed by the St. Catharines Cold Storage and Forward-Association ing Was particularly worthy of mention. Some branches of red currants also were very fine.

An atraction of the fair that created reat interest among the farmers was the hog motor on exhibition. With With the nog motor on exhibition. With this machine, the hog grinds his own feed, the grain being supplied to him just as he grinds it. Through practical demonstration this motor displayed its usefulness and apparently it is bound to gain favor with the hog raiser.

A telephone in every house would work a great revolution in our farm homes.—J. Lockie Wilson.

July 29, 1908

### Talks with Farmers

Ed. The Dairyman and Farming World, World, - It is a pleasure to visit the home of Mr. S. Redmond, Elm Grove home of Mr. S. Rédmond, Elm Grove stock farm, Otonabec township,Peter-boro County. Mr. Redmond has 32-head of cattle stabled in two of the best built and best ventilated barns in the county. One barn, built of solid brick, on stone foundation, is 86 x 40 feet. There is room for 11 horses and 5 cows. The other barn is 13 x 4 feet. It is being got ready for the cattle to be fed next fall. fall.

fall.  $M_r$ . Redmond farms 200 acres, every part of which is under-drained. "The benefits of under-draining can-not be over-estimated," said  $M_r$ . Redmond; "I can get on the land a week or two earlier in the spring now than 1 could before the farm was-drained. Besides, the land is easier it dries out much sooner. You can see the difference in the crops on the drained and on the updrained land. Under-draining pays for itself twice over the first year the land is twice over the first year the land is worked, after the tiles are put in. I am surprised that there are not more am surprised that there are not more farmers than there are who have drained their land, when the results, both in increased yield, and the easier manner in which the land can worked, can be seen so easily. be

"I have heard quite a lot lately about the general failure of the man-gel crop. In nearly all cases such crop. failures are on farms that are not drained. I got my mangels in early when we were having a lot of rain, and they have turned out first class."

RURAL FREE DELIVERY

"The idea of rural free delivery, which I have read considerable of in The Canadian Dairyman and Farm-ing World, is a good one. However, J cannot see how it is 'o come unless we farmers agitate for it. Whatever we farmers agitate for it. Whatever we have got in the past we have al-ways had to get for ourselves, and I expect that this matter of free mail delivery will be about the same. It would be very nice to get the daily papers and your mail every day, but I am afraid that the farmers general-ly will want to be convinced that it ly will want to be convinced that it will not cost much more than the amount that they are already pay-ing for a box in the city post office, numely, \$2 a year."

"The special edition of The Cana-dian Dairyman and Farming World, which I see is advertised for the benefit of farmers in the immediate vicin ity of Peterboro, is a good one, an and wish it every success. As for the I wish it every success. As for the re-gular edition, it is a fine healthy paper, and should have the hearthy support of all that are interested in farming—dairy farming in particu-lar." lar.

### ROAD WORK SYSTEM CONDEMNED

"The statute labor system of road work is not what it should be;" said Mr. Nathan Payne, of North Dum-mer. "If the value of our labor was spent on hiring qualified men to make and repair the roads, better work would be done and we would be en-abled to hour them our work during the abled to have them at work during the fine weather, instead of only a few days as at present.

### AN OLD LOG HOUSE

"On my farm is the first log house that was built in Dummer. It was erected by my grandfather. At the time it was built this section of the country was over-run with wolves, and the farmers often had a dangerous time. "A Ma

"A Mr. Forsyth and a Mr. Kidd brought the first No. 2 plow, with the old cast iron mold board, from Peterboro, into Dummer. They carried it all the way, a distance of

Continued on page 19

### With the Experimentalist at Guelph

at Gueiph The Experimental Department at the Ontario Agricultural College, has aiway been a centre of very keen in-terest to the thousands of farmers who take advantage of the June ex-cursions. These excursions, although of inestimable value, are somewhat early for observing the spring grains and heed crops to the best advan-tage. To those interested in agricul-ture, an insection of the older sind ture, an inspection of the plots just before the wheat is harvested, invarbefore the wheat is harvested, invar-iably proves to be intensely interest-ing, and very profitable. Visitors during the early part of July this year, found the rapidly ripering plots of wheat to be standing up well, and to be, from all outward appearance, exceptionally good. All the other crops, in spite of the lateness of the were equally as promising in appearance

Near the entrance at the central roadway, on comparatively low ground, is an experiment to deter-mine the comparative strength of low ground, is an experiment to deter-mine the comparative strength of different varieties of oats. The Yel-low Russian, which holds first place among all the varieties in the average yield for five years, and Liberty, which withstood the lodging test well last year, showed but very slight last year, showed but very slight tar King, which is the Tar-tar King, which is the start of the start recommended for use on back the start tar King, which is frequent-ly recommended for use on land where ly recommended for use on land where oats usually lodge, was the least af-fected. Last year, however, the var-iety lodged very badly. Plant breeding has grown to be a large, important and peculiarly at-

AUCTIONEERS

T. E. ROBSON LIVE STOCK AUCTIONEER **2** Belcher Street LONDON, ONT. LÉVI A. W. TOLE LIVE STOCK AUCTIONEER Bowmanville, Ont.

his staff, shows that they have obtain-ed very promising results. There are several plots of oats produced from a cross between the Joanette and the Siberian. The cross was made with a berian. The cross was made with a view to securing a new variety with me stooling and thin hull character-istics of the Joanette, and the length istics of the Joanette, and the length of straw of the Siberian. A few plots of these new oats resembled the Joan-ette in stoling and shortness of straw while others were not so well stooled but possessed, like the Siberian, very long straw. One of the plots possess-ed even longer straw than i.as Siber-ian, and also showed the much de-sired stooling characteristic of the three stooling characteristic of the these newly headed ones of growth of thous, and presented nuits a contrast lous, and presented quite a contrast to the majority of the varieties.

### NEW VARIETIES OF BARLEY

Equally as wonderful and prom Equally as wonderrul and promis-ing results were to be seen in plots of barley produced from a cross be-tween Trench Chevalier and Mands-cheuri. French Chevalier is a tworowed variety, possessing a somewhat weak and long straw, with long, slen-der, nodding heads, while the Mandscheuri is a six-rowed heavy yielding variety with very good length of stiffstraw. The object in view in mak-ing this cross, was to obtain six-row straw ed late-maturing barley, with a long head, like the Chevalier and with straw equal in length to that of the Mandscheuri. It has been proven that the heaviest yielding crop for grain production is a mix ure of oats and barley. Mandscheuri is found to grow barley. Mandscheuri is found to gao-barley. Mandscheuri is found to gao-well with the early-maturing and com-well with the early-maturing Daubeney weil with the early-maturing and com-paratively light yielding Daubeney oat, but with the production of a barley corresponding to the ideal aim-ed at by the experimentalists, Si-

tractive phase of the experimental berian, Banner, or other heavy yield-work. Skill, patence, perseverance, ing varieties, could be used, and the and sound judguent, on the part of yield should be greatly increased. A the workers are absolute essible of the resultant plots were more scenials in the successful cross-to less lodged—a weakness inherit-breeding of varieties. A glance led from the Chevalier. Others ere at a few ylots of new varieties standing up well and showed consid-produced br Vrof, C. A. Zavitz and erable more length of straw than eith-is staff, slows that they have obtain jer of the garent varieties. The indjerable more length of straw man eith-er of the parent varieties. The indi-cations pointed towards the desired lateness in maturity. Excellent cross-es of "paring and winter wheat were also to be seen. The first crop of alfalfa on the var-

The Canadian Dairyman and Farming World

iety plots had been cut when about cne-tenth of the blossoms had made their appearance. The second growth was, at the time of inspection, quite pronounced. A plot to demonstrate one method for securing a good catch one method to securing a good catch of alfalfa had been sown in the spring at the rate of zo lbs, per acre, with a nurse crop of one bushel of barley per acre. The soil is a clay loam with good underdrainage, and a fine stand of lucerne has been obtained.

### HOME GROWN MANGEL SEED

A small nursery crop that has been set aside for the production of man-gel seed, promises to be of considerable import. Seed produced from home grown seed in 1906 gave in 1907 home grown seed in 1900 gave in 1907 higher values per acre than any of the 26 varieties grown. This year the rows sown with College-grown seed shows fewer spaces than at least the majority of the varieties. Apparently Canadian seed is superior to Euro-pean seed, which is, for the most part, used throughout Ontario.

### THE ANNUAL PASTURE CROP

About ten acres of land were sown on the 20th of May with Prof. Zavitz's annual pasture crop: oats, 51 lbs.; annual pasure crop: oats, 51 los.; early amber sugar cane, 30 lbs.; and common red clover, 7 lbs. an acre. About six weeks later eleven head of steers were placed on the pasture. The oats formed the greater part the food for the animals at first. the food for the animals at first. The sugar came was growing well and will form the greater bulk of the food, a little later, while the clover will make good pasture in the fall. It was quite evident that the pasture would feed more than eleven head, Every animal had gained in flesh, and Every animal had gained in itesh, and their general appearance spoke vol-unes for the feeding value of the crops. This annual pasture is un-doubtedly filling a long-felt want. doubtedly filling a long-felt want. Year after year the amount of land in Ontario devoted to grazing has in Ontario devoted to grazing has been increasing, but there is ever the cry in July and August, of shortage of pasture, and too frequently there is a very rapid decrease in the out-put of dairy products and beef animals. No serious checking of the milk flow need be feared; no alarm for loss in weight of butcher and ex-port cattle need be entertained, and no excuse can be given for allowing young stock to feed on the highway, or, virtually, to starve on bare pas-tures, when a crop such as the one which has proven to be unquestion-ably successful at the College, can be grown by any farmer at a very small cost and with very little labor.-D. H. Currie, Wellington Co., Ont.





Farmers should hand weed the fields they keep for seed. They would then get absolutely pure seed. We cannot expect to get pure seed on the market unless farmers produce it.— T. G. Raynor, B.S.A., Seed Dept.



### Clydes now on hand are all prize winners ; their Our Hackneys, both stallions and mares, are lass lot. We also have a stallions and mares, are oppers North 4483 GRAHAM & RENFREW, Bedford Park, Ont. 0-9-1 Simcoe Lodge Clydesdales and Hackneys



Imported and Canadian Bred Clydesdales and Hackneys For Sale Our stables have won Firsts and Championships at America's ading Shows, and a few individuals of the show-ring kind are always a hand. Come and see them. Messrs. Hodgkinson & Tisdale, Beaverton, Ont. stance phone at Farm. C.P.R. & C.N.R. STAT Long distance phone at Farm

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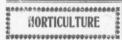
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8

### **Fruit Crop Conditions**

There has been a falling off in fruit crop conditions. The prospects are not as good as they were earlier in the season. Apples have fallen, bad-ly; early varieties promise an average crop; winter sorts, medium.

### D.GBY CO., N.S.

Hectanooga. — The outlook is for a fairly good crop, although dry weather is beginning to tell on "he fruit.— A. J. D.

HANTS CO., N.S.

Gore. — The outlook for apples and cherries is good. Pears and plums will be scarce. Small fruit is very plentiful.—J. A. W.

### ANNAPOLIS CO., N.S.

Falkland Ridge. - Although blossoms were abundant, die fruit set sparingly. Dry weather has caused many apples to fall.—C. R. M.

### HUNTINGDON CO., QUE.

Maritana.—In my orchard there is a wonderful crop of Fameuse, the trees being as full as they can carry, but this is not general. Other kinds pro-mise a medium crop.—W. G. P.

### HOCHELAGA CO., QUE.

Westmount.-It has been very dry for raspberries. Cherries were a big crop; plums, good; pears, medium. Apples have dropped badly, and this will save a lot of thinning. Early varieties are a heavy crop; late only medium.—R. B.

### DURHAM CO., ONT.

Newcastle-Apple crop will be from light to medium, being somewhat this on bearing trees. If growing conditions are favorable, the fruit will likely be large and of good quality. Pears are almost a complete fail-ure. Small fruits are light.-W. R:

### PRINCE EDWARD CO., ONT.

Rednersville .-- Cherries are a medium crop; plums, a failure; pears, very light; Duchess and Famease apples, a good crop; Spys, light; other fall and winter varieties, only med-ium. The guality promises well. The rain of July 17th saved the crop to a certain extent, as large numbers were dronping on meaning numbers were dropping on account of the heat and dry weather .--- H. D.

### LINCOLN CO., ONT.

Grimsby. — Cherry crop has been light. Raspberries promise to be ex-cellent in quality and quantity. Early peaches will be light and all of the Crawford type very scarce. Later var-ieties are more abundant. Elbertas are monitor a fair showing. Plums medium.—J. M. M.

### LAMBTON CO., ONT.

Forest. — Apples promise about two-thirds of last year's crop. Sprayed fruit is good: unsprayed, the worst I have seen in years. Peaches will yield a medium crop; plums and pears, a full crop.—D. J.

### Foreign Money in Our Orchards

F. J. Carey, Dominion Fruit Inspector, Toronto

P.3, OUPS, DOMINION FIRST SUBJECTS, 1007000 The practice of foreign dealers ruthlessly advancing money early in the season to all classes of men to op-erate in the orchards, is responsible for a great many of the troubles of the apple business. This system en-courages the wildest and most unbus-inesslike transactions in the way of

purchasing and handling of fruit. The business man who is using his own capit.l, and wants to work on a busi-

capit 1, and wants to work on a busi-ness basis, has little chance against such opposition. We would have a much healthier trade if the orchard operations were in the hands of the growers or reputa-ble dealers who have their own money invested. Then, when our fruit is properly and honestly packed, we are ready for the Englishman and his monty, and will be prepared to give him a square deal.

### **Changes** in Prize List

Several important changes have been made in the fruit prize ist of the Canadian National Exhibition, changes being made. Toronto. In the sections for plate fruit, the prize list calls for nine spec-limens on each plate instead of five as ples, pears, and peaches. In the case of plums, 20 specimes are called for with, send specimens for identified instead of 12 as formerly. Prizes and for the case difference is and for remedial suggestions to have been added for pranning of the Cana The management of the exhibition Dairyman and Farming World. Several important changes have

has felt that the display of fruit in the past has not been as attractive as it should have been. It is believed that the prizes offered warrant these changes being made.

If the readers of The Canadian Dairyman and Ferming World are having trouble with insects and plant diseases that they are not acquainted with, send specimens for identification and for remedial suggestions to the horticultural editor of The Canadian

# **ARE MAKING MILLIO** IN MINNESOTA

### **Railroads Guaranteed 250,000 Tons**

Both the Northern Pacific and Soo railroads are interested in becoming shippers of ore from this region. One of these the second second shipment of 24000 tooms per year. Expert mains the second shipment of 24000 tooms per year pense of developing our property in return for a share in the resulting profiles.

The Iron Producing Lands Company actually owns the property on which it operates, but : secure money to roo-erly developit. . . fifter a limited number of shares in The The Iron Producing Lands Company prefers to do its own developing, as money lawer-ted new in developing these claums stands a chance of doubling, trebling, and even many times more the securit invested. The invest new will secure the benefit of the rise in will also have coppringing to participate in all further oncer.

Nore lands for future de-velopment. Progress in the Lake Su-perior iron range for the past 12 months has been rapid. With a production of more than forty-two mil-lion tons the five ranges in Minnesott. Michigan and Minnesota, Michigan and Wisconsin have sent con-

### **Countless Wealth for Future Investors**

Approximately one billion one hundred and fifty million tons of the two billion tons of iron ore still contained in the Lake Superior region underlie the Minnessta iron lands. Could any stronger argument beadvanced in lawe of invest-ing ia their devolopment as an opportunity for profit? Every dollar lavested is shares in this company partici-pated streetly in all operationscarried on by the company parts of the low strong or free booklet containing pros-pectus and full particulars of our free booklet containing pros-pectus and strong the strong potent of the opportunity and write today.



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in ore lands for future de-

## furnaces than during any corresponding period in the bis of the iron fields.

### POULTRY YARD

### Colony Poultry Houses

tended to be continued over a com-plete year, this was not no important as might at first sight appear. It is suggestive to note that although only two cocks have run with the pullets, that is, twenty-four females to one male, the f-ctility has been remarka-bly good. The system, however, is used more for laying than breeding stock, and, as it is underisable to use yearlings as breeders except for the production of chickens to be littled at Colony Poultry Houses The colony system of housing poul-by good. The system, however, is the adopted in the farm. The farm yearing as a transformation of the system of housing poul-by good the system. Means, Edward & of this system. Means, Edward & will Brown, instructors in charge of the Theale College Poultry Farm,

The growth of feather is not often

taken into consideration in feeding young stock and moulting hens, al-though much can be done to assist old birds at a critical time by pro-viding some food of an oily character.

Among the best feather-forming foods

among the best realiser forming roods are hemp-seed, linseed, and sunflow-er seeds. The last-named is not gen-erally known to be so useful, but we can strongly recommend all gardening

poultry-keepers to grow a crop of sun-flowers, the heads of which are gener-

ally ripe about moulting time, and the seeds can easily be beaten out.

The Ganadian Dairyman and Farming World



COLONY HOUSES AT MODEL FARM, BROCKVILLE, CANADA Showing flocks of Wright strain White Wyandotte chicks. This five acre plant is devoted splitatively to this breed, owned by Wright Bros.

passure has been anocated. As off-isists of 3,154 square yards, or rather less than two-thirds of an acre. It is good land with a c.pital belt of trees and hedgerow on the south and east sides, where is a running stream, so that the grass very seldom dries up, so that the grass very seldom dries up, even in a hot summer. The shape is uneven, almost triangular. A fence of 6 ft, wire netting encloses it com-pletely, and the birds are not allowed out on the adjoining fields. The grass kept abundant during the entire year, so that there was always plentiful sup-ply of green food, but, it may be not-ed, the summer of 1907 was cool and ea, the summer of 1900 was cool and moist, and there was no check to the growth of herbage. Within the en-alosure are two ordinary open-fronted poultry houses, but without scratching sheds. There are no divisions of the ground, over which all the birds can roam as they think fit.

### KIND OF BIRDS USED

Fifty Buff Orpingtons were select-Fifty Buff Orpingtons were select-ea for this experiment, namely, forty-eight pullets and two cockerels, all of which were hatched in the month of May, 1906, from purchased eggs. As records were kept from January 18th, 1907, they were at that time about eight months old. Probably a much better result would have been obtain-ed had earlier hatched pullets been chosen, and from selected stock, but these were not available, and the ex-periment was intended to determine the cost rather than egg production. the cost rather than egg production. As none of the birds had commenced to lay, and the experiment was in-

Black

Plug

Chewing Tobacco



being provided.

hens. One hundred and twenty hens would require a house 120 feet long by 10 feet wide, divided into 12 pens. This is a good rule but is an expensive one. However, we think 120 hens may safely be wintered in five pens con-taining 24 hens each. Each pen to be not less than 12 feet square. This al-

lows only 6 square feet to the fowl. If icd, the fattening process has been kept clean, good results may be got rapid, and if killed and marketed at from such quarters. Snowe allow as once make prime roasters. If kept high as 50 hens to run together and a little longer in order to get some deteriorate, their pens are very roomy, and the didal house for 100 or more hens is the, long building with 5 sections. The public quarters and the section appendix of the section is the long a quarters and the section is the long a number of the section. The used for also grant quarters and the section is an open acretching sheets. Here there are not set of the section is the sections. The section of the section is the sections in the section is an open acretise mark and the sections. Here there must always have a plencifier mark as no pend or section between the sections. Have their sections of the sections of the sections.

be glass, and the top part covered with cotton. sounds chilly, but experience has proved that the cotton front house is the warmest and health-The front of the iest. scratching shed may be closed with wire netting. and have a curtain to let down on stormy days. The floors in both parts should be earth or gravel, and is better if filled in a little so as to be above the level outside. No ventilation outside. No ventilation system is required if the cotton is used, as that does the work thoroughly and correctly.

If one can get a house that is dry, free from draughts and in which there is no smell of hens then he has obtain-ed the ideal here. ed the ideal house.

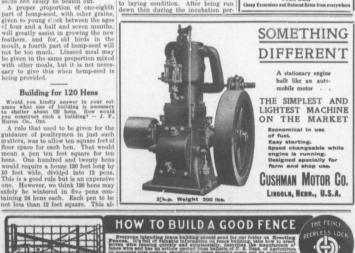
The hopper style of feeding the grow-ing chicks is not only a labor saver, ing chicks is not only a labor saver, but has many advantages. The chicks soon learn to eat only what they re-quire and there is no waste, at the same time, the birds are never underfed. A gain in growth is claimed by those who have tried it, and that is sufficient reason for its adoption. The hopper should hold from a bushel to bag of grain.

One year old hens that have hatched and reared a flock of chicks, generally wean the chicks when they again come to laying condition. After being run down thin during the incubation per-

no pond or water to swim in. How-ever, they must always have a plen-tiful supply in troughs. Have their troughs set up on platforms so they cannot puddle up the soil alongside.

Boys who find it hard to secure money enough to buy some good stock to make a start in the poultry business, can easily and quickly earn a choice pair or two of pure bred lowls, of the variety they select, by getting, few subscribers to The Canadian Dairymea and Farming Wild. Write 8 and we will tell you with, and we will send you sample copies of our paper with full instruc-tions. Try it. It's easier than you think.

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albeering is abscription rates. Thus our mailing lists do not contain any dend civiliation. Initian all statements of the circu-ingtion of the paper, showing its distribu-tion by countries and provinces, will be mailed free on request.

### OUR PROTECTIVE POLICY

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### THE CANADIAN DAIRYMAN AND FARMING WORL PETERRORO, ONT.

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

### THE HORSE INTERESTS NEED MORE ATTENTION

Why are Ontario and the other eastern provinces of Canada so far behind other divisions of country in the matter of advancing the horse breeding interests? In Manitoba, in Wisconsin, in Pennsylvania, in Utah as well as in most European countries, legislation has been enacted that makes it a difficult matter to travel anything but pure bred stallions to advantage, and which practically prohibits the use of unsound stallions of any kind. We need similar legislation in Ontario and in Eastern Canada.

We have too few pure-bred stal-

strengthened, all unsound animals should be weeded out, and the nampered pure-breds should be made potent and muscular by work. Nothing should be done that would be unfair to the owners of grade stallions but steps should be taken to replace such animals by good pure-breds. It is astonishing that our horse interests have been neglected hitherto as they have been. It is time for a More and better horses change. should be kept at the Guelph Agricultural College and better accommodation should be provided for them. At the earliest possible date, also, we should have legislation that will serve to ensure our farmers obtaining value for their money when they breed their mares to the stallions that are allowed to travel throughout the country.

### THE HONEY BEE

For some time the interest, on the part of agriculturists, in things pertaining to the apiary, has been on the wane. Farmers as a class apparently have come to realize that owing to the comparative insignificance of bees, as against what might be termed our larger live stock, they are not worth the trouble it takes to care for them. Probably this is putting it too strong-Nevertheless, the fact remains

that year by year the product of our apiaries is falling off, and larger and larger importations of this important food article are being made.

It is to be regretted that we farmers do not take a greater interest in the bee. Did we take a greater interest in that industrious servant of mankind, we would profit thereby in many ways. It is difficult to estimate the real value of the honey bee to our present day agriculture. Bee keeping is as much a branch of agriculture as any other line of enterprise in which our farmers engage. Considering the importance of this industry to our country at large, it should receive some fostering care from the hands of our Government, and something should be done to encourage our Fers to take a deeper interest gs pertaining to the bee and in

the apiary. Bees, when properly handled, are a valuable asset. When wisely managed, and in any fair season, they not

only return a direct profit to their owners, in the form of marketable honey, but they do much towards ensuring a full crop of fruit, alsike and buckwheat. It is a well-known fact. and it is vouched for by many of our leading fruit and clover seed growers, that where bees abound, larger yields are obtained than where bees are not so plentiful. So strong is this belief with some, that they offer free sites to the apiarist on which to locate his bees, as well as holding out other inducements for him to locate upon their premises. These men are men of experience, and well know what they are about. We can profitably of threshing machinery tends to climtake a lesson from their enterprise.

A few colonies of bees, at least, lions to serve the needs of the coun- should be on every ordinary farm. It all time. try. As quickly as possible, how costs but little to establish them, and There may be no practical way of after when laboring in our interests.

ever, their numbers should be it requires very little time, except on improvement in this respect. If, howone or two occasions in the season, to care for them. swarming time, the bees can be cared for in almost any spare period. Some, however, have carried this practice to the extreme, and the careless way of handling bees that exists in many sections, is accountable for their lack of popularity, and the lack of profitable returns therefrom. With a few skips of bees located on his farm, the farmer insures himself the fullest set of fruit from his blossoms, a larger yield of alsike, if he grows that crop, besides doing a good turn for his neighbor, who might be benefitted by any work from the bees Resides this consideration, what could be nicer for the farmer than to be able to extract from his few colonies of bees, from 300 to 500 lbs. of honey a year? This product he could always sell at a remunerative price, or if he cared to keep it for himself, it would form one of the most delicious and wholesome of foods that he could place upon his table.

### EARLY AND LATE THRESHING

Threshing time is an important time on the farm. The custom with many is to thresh fall wheat as soon as it is harvested. This means two threshings in the one season, for the process must be gone through with again when the spring crop is harvested, though it may be delayed well on in the fall, when the busy season is over

One reason why fall wheat threshed early, is to procure seed for September sowing.' Were it not for this it would be better to postpone all threshing till September is well over. It is an inconvenience to many farmers to have to turn out in the midst of harvest to help their neighbors thresh. In these days, when grain ripens up so quickly from the time haying begins till the last crop is in the barn, there is hardly a day to spare for anything else. It is a real hardship, and sometimes a loss, to have to put in a day or two threshing at this season. If there were some other way of procuring fall wheat seed, such as saving enough from the previous year's crop, it would be better to postpone all threshing till, at least, the harvest is over, or, better, till the fall wheat is sown, and the corn and wheat crops prepared for winter.

There has been considerable improvement in threshing machinery of late years. The blower or stacker has got rid of one of the most dirty jobs at threshing time, that of taking the straw away from the head of the carriers. This has improved the labor side of the problem. But the tendency is for machines of larger capacity, consistent with clean work. All of which means that every farmer is still dependent upon his neighbors to help him out with his threshing, Nothing in the recent improvements inate this feature, and it looks as if the present plan would continue for

ever, instead of increasing the capac-Aside from the ity of their machines, manufacturers would turn their attention to the production of a small separator of fair capacity, that would enable a farmer to do his own threshing, or enable two of them to combine for that purpose, would it not help to solve the difficulty, and do away with this dependence upon the whole neighborhood for help at threshing time? Such a machine would enable a farmer to do his threshing at odd times, when he was not busy at anything else, or when wet weather prevented working in the fields. Most of the threshing could be postponed till late fall and winter, when there is little else to do but look after the stock. A great deal of threshing, even under the present plan, could be better done at the later period when farmers have plenty of idle time on their hands. Early threshing seems to be the rule in most sections, and it seems like a waste of valuable time.

There are, no doubt, drawbacks to postponing threshing to late fall or winter, whether it is done by the farmer himself, or with the help of his neighbors. It would prevent taking advantage of the early market to sell the grain. But, with the exception of wheat, most of the grain is kept for feeding purposes, and is only needed when stock are housed for the winter. So far, therefore, as marketing the grain is concerned, that should not prove a serious objection to late threshing.

The whole question is worth considering by farmers generally. As it is now, threshing is rushed through in a few weeks. This means more threshing outfits, and a higher cost for the work. If spread out for a longer period, and extended well into the winter months, the thresher would have a longer period during which to make a profit on his large outlay for engine and separator, and should be able to do the work at a cheaper rate. It would be easier to get help and all interests would be better served. There would be more work for people in the winter months, and threshing would be transferred to a period when it would least interfere with other work on the farm. This was more the practice some years back, when farmers had less to do at harvest time, and the few weeks following, than they have to-day. Might not a return to the old order of things be wise? We shall be glad to have the opinion of our readers in regard to this.

The horse, that faithful friend and helper, deserves much more consideration than he very often receives. Do your share to make him comfortable. Do not forget that a tight check rein is very painful to a horse, that a sore shoulder is a great source of agony, that thirst torments a horse in the same manner that it does a man. Heat brings on the latter discomforture worse than anything else. Be merciful, and receive the merciful man's reward. Horses must work, but their comfort should be looked

### A LESSON IN HEREDITY (Hoard's Dairyman.)

The Canadian Dairyman and Farming World presents on its cover page a large picture of Daniel Hogarth and wife, of Solina, Canada, with their 14 children, all living, and the 34 grandchildren, and 28 great grandchildren. This worthy couple, now in the 86th year of their ages, have 98 living descendants. It is a remarkable record of health and hardihood, as well as a most fortunate coupling in marriage. Fortunate, indeed, is the child who is born of such a line of heredity. Some day we hope the common sense of the American people will consider the breeding of healthy children as important as that of farm animals. The same laws of parenthood govern in men as in animals. How often have we seen strong well developed parents with weak, sickly children. The trou ble primarily lay in the fact that husband and wife were temperamentally unsuited for each other. As we say in breeding, it was an ill-fitting "nick." As a rule, the strongest children are born from parents where the temperaments are opposite to each other, one a blonde and the other a brunette, providing both are healthy.

But few young men and women think of these things when contemplating marriage. Yet they should be thought of, for future happiness depends greatly on the physical vigor of the resulting children.

### **Our Land in Retrospect**

As we look backward to Confederation, we see a few separated pro-vinces from the Atlantic coast to Onvinces from the Atlantic coast to On-ario. To-day we have nine provinces in the Dominion, stretching from the boundary line—the 45th parallel-to, shall I say, the North Pole. Then there was no Greater Britain, in the twentieth century sense; no Empire spirit, as now understood; no Canadian spirit, as to-day exists. Then the Indian roamed our western plains; to-day they are made to yield rich harvests. Then our wateryield rich harvests. Then our water-powers were unknown and undevel-oped; to-day we are only beginning to realize what a vast resource we have in these, for operating electrical and mechanical works. Then the wheels of industry did not hum and spin, in all the centres of popula-tion, as to-day. Then the impletion, as to-day. Then the imple-ments of our agriculturists were rude and cumbersome; to-day they are of the latest pattern, of the finest me-chanism, and almost anything on the farm may be done by machin-ery. Then no tracks of steel girdled our hemisphere as to-day, when one can ride from Halifax to Vancouver in hunny and ease in a mean done. can ride from Halifax to Vancouver in luxury and ease in as many days as it formerly took months. A gener-ation ago, three and a half million Canadians were scattered in a narrow frinze of settlement, along the rivers and lakes of the central part of our land. The few thousands beyond Lake Superior were lost in its vast unpeopled spaces, and the western population centres were less than half a score in number. To-day we find over six millions scattered from the enstern coast to the western coast.

eastern coast to the western coast. Despite the hardships, lack of privileges and opportunities, those early settlers were a type of people that we have not to-day. They were simple in manner, buoyant in spirit, with clear heads and sound nerves— a strong, true type of an age and country—a country of which the world is speaking now—an age of

brave men and great events. A country then neglected or unknown, but full in the lime-light now; an age not like this luxurious one we live in, but one that tried the temper of men's souls, and showed the virile stuff that they were made off. These were the types of men that lidd the foundations of our fair Dominion. Shall the younger imanhard show a womanhood of our fair Dominion. haid the foundations of our fair Do-minion. Shall the younger man-hood and womanhood of our fair land, descendants of those no-ble pioneers, carry on this work of "making a nation" to a successful issue, until we become, in commerce, industry and intelligence, righteous-ness and truth, one of the foremost nations in the world, a few years hence? My young co-patriots, it is "up to you" to so develop charac-ter that you may be a "nation build-et" in the broadest sense of the word. To you, my young co-patriots, this is my message at this time.this is my message at this time.-"Habitat."

### A Bright Boy's Success

The following is from a letter re-ceived recently from Master Ray E. Wells, New Westminster Co., B. C. Ray is only 13 years old, and sent us in a list of 21 new subscribers to The Canadian Dairyman and Farming World, at 8; a year, for which he re-ceived three pigs as premiums.

"I thank you very much for send-ing me three very choice pigs as preing me three very choice pigs as pre-miums for only 21 new subscriptions to your valuable paper. The pair of Berkshires are extra choice, and you will likely hear from them later as winners at the fairs. A great many of our neighboring farmers have call-d to save them and all one much ed to see them and all are much pleased with them. It only took me a pleased with them. It only took me a day and a half on the pony to secure the 21 new subscribers. I know they are all well pleased with the paper, he plassed with the paper, shire for paying all expenses, so this choice pair of Berks, from imported prize winning stock, have only cost me a day and a half of pleasant labor calling on my neighbors." Have you thought of trying to win any of our live stock premiums? These premiums are very easily ob-

any of our nive stock premiums; These premiums are very easily ob-tained, and have always given entire satisfaction to the people who have won them, as you will understand from the above letter.

OUR BIG CASH OFFER

Our \$1500 cash prize offer is at-acting a good deal of attention Our \$1500 cash prize offer is at-tracting a good deal of attention among the readers of our paper. Have you taken any notice of it yourself? You do not have to wait until you get the full one thousand subscribers before receiving any reward for your work. On each new subscription that work. On each new subscription that you send us, we will allow you a com-mission of 50 per cent. Then, when you have sent us in 50 new subscrip-tions, we will pay you the first cash prize. In this way you are sure of be-ing repaid for whatever work you do for a in obtaining the subscription. for us in obtaining new subscriptions to The Canadian Dairyman and Farming World. We will willingly do everything we can to help you in the worl

Work. Mr. D. Thompson of Bristol Cor-ners, Quebec, was recently appointed our agent in the county of Pontiac, Quebec. After making use of his spare time for a week canvassing for spare time for a week canvassing for us, he secured nine new subscribers, and we expect that he will shortly win his first cash prize. Requests come to us daily for particulars of our big cash offer. A post card will bring these particulars to you. Here are some of the requests we have received recently:

These particulars to you. Here are \_\_\_\_\_Nr. C. H. Foster, Middlesex Co., jung World., Please send me further trecently: ''I have noticed your offer of cash ''Please send me sample copies of worth Co., Ont. ''Please send me sample copies of worth Co., Ont. ''Please send me sample copies of worth Co., Ont. ''Please send me sample copies of worth Co., Ont. ''Please send me sample copies of worth Co., Ont. ''Please send me sample copies of worth Co., Ont. '''Please send me sample copies of worth Co., Ont. '''' an interview of the canadian Dairyman and Farm-''' an interview of me further it in the Canadian Dairyman and Farm-'''' an interview of me cash prizes in We know a cheap way of placing '''' an interview of me cash prizes in gword. Look at our ''Farms for '''Kindly send me agents' outfit, and for obtaining new subscriptions to Sale'' column.

Don't Buy a Cream Separator on the statement of anyone that it is "just as good as the De Laval." Such a statement is false, and whether made maliciously or in ignorance, the result is the same to the misled purchaser of an inferior machine. **De Laval Separators** are Standard and are MADE BETTER THAN OTHERS with a full knowledge of the transient satisfaction given by lower grade, higher speed machines in practical use. Exclusively used in Creameries and Model Dairies. THE DE LAVAL SEPARATOR CO. MONTDEAL. WINNIPEG VANCOUVER The Maple Leaf Gold Sheaf Harvest Tools

11

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full particulars of your prize offers." The Canadian Dairyman and Farm--Mr. C. H. Foster, Middlesex Co., ing World. Please send me further Ont.

Creamery Department the control of the second secon Butter Makers are in ons to this department atters relating to but ng to butter ma for discussion Creamery Depa ng and to sug-Address your gest subjects 

### **Defects** in Butter

The Dairy Division of Washington employs inspectors at large receiving centres to inspect butter and give advice to makers as to where improve-ments can be made. The work is giving satisfaction, and is proving of value to the trade. In a recent inter-view the inspector at New York city gave some information about the work that may be of value to Canadian butter makers. He said: "I am seldom called to look at

"I am seldom called to look at strictly fancy butter. The butter mak-ers who nearly always make hich quality and never get any kicks, don't have any need of my help, and consequently don't ask for it. Once in a while a single tub is marked in a shigment of these fine goods, and the butter maker requests that I score the butter. This I can alwave willing to butter. This I am always willing to do, but my work is mainly to help the fellow who needs it. You will, therefore readily see that I am called examine mostly creameries that we some faults. have

The defects that are most comat present are sour and summery flavat present are sour and summery hav-ors and curdy character. The extreme heat that has prevailed in many sec-tions has made it difficult to keep down the temperature of the cream, and considerable of the butter gives evidence of over ripened cream. This is all will be during most of the sum-mer. If it was merely a question of controlline, the temperatures in the controlling the temperatures in the creamery, many of the butter makers would stay by their cream vats, but a great deal of the cream is shipped

a great deal of the cream is shipped in too ripe, and it is impossible to fully overcome that difficulty. "A great many of the creameries are pasteurizing at too high a tem-perature, and this produces a spongy, light-bodied butter, as well as an olly flavor, though 1 am inclined to think that the latter is mostly where the cream arrived quite sour. Occasion-ally I run across a creamery that is very heavily salted—so salty, in fact, that it tastes like brine when one bites into it. There is positively no excuse There is positively no excuse If by accident too much salt into it. for this. got into the churn, it can be washed out and made usable, but in some cases it looks as if the excessive salt were put in deliberately."

### Dairying Progressing in Australia

The diriving industry in Australia has made rapid progress in recent years. In 1500, the net exports of butter from that country only amount-ed to 1% per cent. of the production. In 1808 the exports had increased to 31% million pounds of butter. In 10% per cent. lion pounds

lion pounds. This expansion does not tell the whole story. There has been a large increase in the local consumption of butter. Butter is now within the pur-chasing power of all classes. In 1890, local consumption was 16 lbs. of chasing power of all classes. In 1990, local consumption was to lbs. of butter per head; in 1906, it was 24 lbs. per head of the population. Ten years ago six million out of the 30 million pounds produced were made on the farm. To-day only 4½ per

WANTED!

A Professor of Dairying at the M Agricultural College. Must have had experi-ence in teaching. Apply to

the farm.

Some recent British regulations, looking to the restriction of the imporlooking to the restriction of the impor-tation of all butter carrying preserva-tives, may interfere with Australia's trade somewhat. The use of preser-vatives has been very limited in that country, but a small percentage has been allowed by law. It is doubtful if Australian butter could be shipped to England in a marketable state with-out the use of some preservative. out the use of some preservative. Hence the proposed restriction on the part of the British authorities is causing some consternation in dairying ing some consternation in dairying circles there. It is conceded that the shutting out of all butter containing preservatives from the British market would be disastrous to the dairy business in Australia, at the present time, and people there are hoping that the

threat will not be carried out. The amount of borax used is about The amount of borax used is about if h to every too lbs. of butter. If is usually put in during the early starse of manufacture, and the borax is gradually worked out, until, so it is claimed, not half of it remains. It is contended that such a small percen-tage could not harm the consumer. There are those who, claim that the restriction would be beneficial in the long run, as it would lead to the pro-duction of a quality of butter that would carry to England without pre-servatives.

### How Separators Separate

The force that is used to separate ae milk is known as centrifugal proce. This may be described as the the force. pull that is felt when a weight attach ed to a string is whirled about by hand. It is pulled outward and the

hand. It is pulled outward and the faster the weight is whirled the stronger the pull becomes. In the old system of creaming, the separation is caused by the action of gravity. The fat globules, beinr lighter than the other portions of the milk are forced to the top; that is cravity acts stronger, or pulls The milk are forced to the top; that is gravity acts stronger, or pulls harder on the heavier portions than it does on the lighter, and the milk is gradually arranged in layers, the light portion at the top; and the harvier portion at me top; and the has precisely the same action on the milk but acts outward from the centre of the bowy the same as gravity acts:

of the bowl the same as gravity act downward from the surface, only only downward from the surface, only many thousand times stronger, ac-complishing in a few moments, and far more completely, what it takes gravity several hours to do.

As the milk goes into the bowl it is at once thrown to the outermost parts and fills the bowl completely parts and fills the bowl completely until an opening is reached where it will flow out again. The surface of the milk is on a line partallel with the centre, or axis of the bowl, and is exactly in line with the cream outlet. A cross section through the bowl from this surface to the outside pre-sents much the same appearance as would a pan of milk after the cream had been raised by gravity. The cream is on the surface, which might be called the top, and the heav-ier portions of the milk at the point farthest from the centre, which would represent the bottom.

represent the bottom. With this understanding of the ar-rangement of the milk in the bowl there are a number of things to be observed which influence the separa-tion. The difference in length of time it takes to separate cream by gravity and by centrifugal force shows plain-ly that the time varies with the amount of force applied. The shorter

separation. From the above statements the fol-lowing conclusions regarding the use of the separator may be drawn: I. If the amount of milk that pass-

to cause closer skimming because of th greater force exerted. 2. If the amount of milk that pass-

es through in a given time is increas-ed, the skimming will not be so pertext, for the centrifugal force is not exerted on the milk so long a time. It is evident, therefore, that the closeness of skimming is the result of two factors—time and force. If either of these is decreased, the result will be nonzer work. If where is interval

be poorer work. If either is increas-ed, better work will result. The hand separator is often the scapegoat upon which the inefficient the

butter maker unloads his own short-comings.—E. H. Webster.

Prof. G. L. McKay, of Iowa Agri-cultural College, speaking of a pro-posal to fix the minimum standard for milk at 3.25 per cent. fat, said: "If this were to become a law hundreds of dairymen could be constantly pro-cented for adultmention of will prosocuted for adulteration of milk, over which they have no control. This is quite evident to every creamery man. Many of our fine Holstein cows that have made wonderful records as that have made wonderful records as butter producers, would come under the ban of the law, and some of our grades and breeds that are not Hol-stein would at times be condemmed. Three per cent, at the most should be high enough for a standard of this kind."

From the above statements the function of the separator may be drawn: I. If the amount of milk that pass-time is a fixed quantity, any increase time is a fixed quantity any increase time

Looks Do Not Always Count

In a great many things, looks, o the appearance of a thing counts for a very great deal. The surrounding and outside appearance of a cheese factory or creamery count for much. An untidy and slovenly appearance gives a different impression from that gives a different impression from that produced by neatness and good taste. So in a great many things, looks count for much, and the cheese and butter maker should see to it that the factories present a neat and attractive appearance, both inside and out

out. One of the things in which looks don't count is in the milk cans, cream cans, milk pails, etc. A milk pail rinsed out in water after milking may look clean, while it may be far from being in that condition. There may be minute particles of dirt left in the secure of that noil where invume the seams of that pail, where innum-erable bacteria will propagate, and be ready to operate on the fresh milk at the next milking time. So with milk and cream cans. At many cheese factories the sour whey is returned to the patron in the milk cans Upon the whey being emptied, the can may be merely washed out with cold or luke-warm water, and may present a clean appearance, so far as looks go. But it is far from clean, and cannot be considered as clean until it is thoroughly washed with boil-ing hot water, and placed in the sun-light to dry. So with the factory

THE VICTOR **Combined Churn and Worker** 



Easily the world's leading Butter Making Machine. It is a labor saver and a quality maker. The butter is not removed from Churn until ready to pack. Butter is protected while working from unfavorable room

conditions. Working is absolutely uniform, Cannot injure the grain of the butter, Made in all sizes from 50 to 1000 pounds capacity, Canadian Customers supplied from Canadian Factory : no duty. Write for full particulars and prices mentioning the Canadian Dairyman.



July 29, 1908



utensils. Butter makers often make the mistake of thinking the churn clean, because it looks that way. But if left without a thorough cleaning and scalding after each churning bad flavors may develop and cause injury to the butter.

The patron supplying milk to a cheese factory, or cream to a cream-ery, and both the cheese and butter ery, and both the cheese and butter maker cannot, therefore, depend upon looks alone. They must make sure that everything is clean. Half way washing will not do. Thorough wash-ing and scalding are necessary in every case. It is the unseen things in dairying that do the most harm. These little infinitesimal things, they call bacteria, cannot be seen. If they could no one would have them lurk-ing around in milk pails milk cans. ing around in milk pails, milk cans, churns and vats to work their own sweet will. For this reason more than looks is required in cleaning all dairy utensils. A medium must be used that will reach these unseen that noose is required in cleaning an dairy utensils. A medium must be used that will reach these unseen things, and put them out of business, and that medium is plenty of scalding hot water. It will penetrate into all the cracks and crevices, and leave the thereils. utensils sweet and pure, as well as an in appearance.

Clean in appearance. If everyone who handles milk in any way could be made to realize this, and to act upon it, what a re-volution in the quality of our dairy products would be effected. Clean milk handled in clean utensils reans if moment keent and the milk handled in clean utensils re-mains clean if properly kept, and as-sures cheese and butter of the highest quality being made. The dairyman must go deeper than mere looks. A box of butter may look good, and also a cheese, and looks count for a creat deal to mith these. But hash area deal too, with these. But both may be far from being of prime quality. There must be something more than this, and that something can be attained by strict attention to cleanliness all along the line.

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

CHEESE FACTORY FOR SALE. - Known as "Honey Grove," near Poole: twelve miles from Stratford. Capacity, one hundred tons. Good house and hog pens in connection. For further information hundred tons. Good house and in connection. For further information apply to, ALEX. F. CLARK, Poole, Ont. 0 8-25

The Canadian Dairyman and Farming World

Short Weight Cheese

There are always more or less com plaints from shippers of short weight cheese. These may be due to one cause and another, for which the fac-torymen are not always to blame. Mistakes may occur in balancing the scale, or stenciling the weights on the cheese, which may work to the advan-tage of the factoryman, and somecacese, which may work to the advan-tage of the factoryman, and some-times not. Cheese shipped green will lose greatly in weight before reach-ing the old land. ing the old land. This season these complaints have

been more serious, and it may be possible that some factories are not possible that some factories are not doing the fair thing in the matter of weights. The Montreal Trade Bulle-tin of last week publishes a letter from a Bristol importing firm, in which some Canadian makers are blamed for systematically perpetrat-ing fraud in weighing cheese, or in marking the weights on the boxes. This form time accuse where a chease This firm cites a case where a cheese marked 82 lbs., only weighed 70 lbs., marked 32 105., only weighed 70 105., or a loss of ten pounds or more to the buyer. The Trade Bulletin also cites several cases of shortage in, weight. In one lot of 32 boxes ther was a loss of 110 1bs. In another lo 14 boxes, 7 boxes lost 1 lb. each, one box: 11 hbs, and 6 boxes holding out O. K. Another lot of 29 boxes showed a loss of 37 lbs.

a loss of 131 lbs. Cheese will shrink some in the shipping but when it comes to loss-es like those quoted the natural shrinkage in cheese will not account for them. Factoryme nor makers will gain nothing in the long run by en-deavoring to give short weight. Straightforward dealing is the only safe course. Every factory should give good, honest weight in every box of cheese shinned. When cheese are of cheese shipped. When cheese are shipped a week or two from the hoops some allowance should be made for shrinkage. In some places it is the box of the actual weight. With well cured cheese it is hardly the fair thing for the buyer to demand this thing for the buyer to demand the of the factories. If every factory had given fair and honest weight in the past, perhaps this practice would not have become the standing rule. But it is better to do this than to have reports coming from the trade in Great Britain that our makers are defrauding in the matter of weight.

### Getting Rid of White Whey

Is it possible to make Cheddar heese with no loss of white whey? how can it be prevented? These How can it be prevented? These are questions asked and answered in a recent issue of the New York Pro-duce Review and American Creamery. One of the answers, by William Win-der, a Wisconsin cheese maker, is given below. We would be glad to have the experience of Canadian mak-

ers on the points discussed: "In answer to the first part of this question, I would say, yes. How it may be done would require rather a lengthy paper. There are many con-ditions when it is an impossibility. ditions when it is an impossibility. The first requirement is a vat of sweet milk free from any bad odors or taints, a small quantity of good com-mercial starter—say 56 per cent.— added to the milk, and then set suf-added to the milk, and then set suf-development of acid to insue a suffic-development of acid to insue a suffic-development of acid to insue a suffic-tion time for a good cook. Raise the temperature to the cooking point in t hour and 40 minutes or thereabouts. In commention Year norms and song parts apply to ALE . F. CLARK, Peele, Ont. POF SALE . . . . Morry dame factor, Sins. If the acid development is about right in more the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove inchouse and four serve hand. Make in the curd should be ready to remove is an excellent one. There is an ple storing accommodation, and it is kept the curd should not necessary, a curd on the secting desired hunds. With the above acidity quickly get the curd factory. "I very seldom get a cur on the above acidity quickly get the curd factory." I very seldom get a cur on the above acidity quickly get the curd factory. "I very seldom get a cur on the make is about right in the above acidity quickly get the curd form mating until the curd shand. The bake is add mik, "is add mik," said Mr. Champbell, "and the part of a self server and part of a server in the react shand with the server. I have never the above acidity feeling. A hand. Book to the farmer. I have never

ful will require quite a little pressure to expel any moisture if the curd is in proper condition. This may rein proper condition. This quire four or five times stirring quire four or five times stirring through with short intervals for drain-ing, but it is not a difficult matter if well cooked and the proper amount of acid at dipping. Pile curd 6 or 7 inches deep evenly over sink and when well matted-probably 20 min-utes-cut into strips of 6 inches wide and turn, leaving an inch or more

and turn, leaving an inch or more between each piece. "In a short time, or as soon as the underside of curd has faced up so as to pick up all loose particles, turn again. It may be left single or if real firm and dry two deep will be all right. Turn at intervals until ready to mill. Two deep will be suffi-cient. Mill with 1% to 1 inches of acid on hot iron or about .75 per cent. ad depth of 6 or 8 inches. If curd is rath-er too stiff and firm a trifle higher pling will not hurt, but is not usual-ly necessary if conditions are favor ly necessary if conditions are favor-able and the curd has been properly handled. A curd of this kind will get ready to salt quite quickly, and I have had them when no moisture would drip from vat or sink until salt was "The finest cheese I ever made

were made in the way I have just described. Perfect as to texture and described. Period: as to feature and closeness and ready for the market in the same length of time as curds worked in the more moist and more general style. These firm curds, of course, require lighter salting. I do not say that one can keep from hav-ing white when dow ofter day as ing white whey day after day, as common conditions will not permit it. Under proper conditions it is not only possible, but the finest results can be obtained."

### The Acidimeter

The acidimeter is rapidly coming to be recognized as a great aid in almost every step of cheese making. in By its use the percentage of acid is determined in the milk and the proper time of adding rennet is known. It shows also when the whey should be drawn, when the curd should be milled, and when other operations should take place. Thus it is seen that the acidimeter may replace the rennet and hot iron tests, and it serves other useful purposes as well serves other userul purposes as well. It is not advised, however, that the other tests be forgotten, as they are useful in connection with this latest one. The acidimeter is extensively one. The acidimeter is extensively used by the largest and best conduct-ed cheese factories in Canada, and quite a large number throughout the United States.

United States. The state college has lately issued a little circular entitled "Some Essen-tials in Cheese Making," by Prof. Publow. It contains as much good solid information in its limited space as could possibly be included.—New York P. R. and A. C.

### An Up-to-date Factory

"We, in Central Smith, consider that we have one of the most up-to-date and commodious cheese and butter factories in Eastern Ontario," said Mr. A. H. Campbell, cheese and but-ter maker for the Central Smith fac-tory, and I can bear out in every particular what he says. The factory is beautifully fitted with all the lat-est improved machinery, and as clean as it well can be. The curing room



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known one to complain on that score yet as they realize that one can of bad milk spoils the whole vat, and that t all the patrons suffer through fault of one.

that all the patrons suffer through the fault of one. "Monday is our best and busiest day as we then have to handle the Sua-day"s mik, but I find that it is in the best of condition, as the patrons gen-erally keep in nicely cooled, and so it arrives at the factory in good order." The general condition of the fac-

arrives at the factory in good order." The general condition of the fac-tory reflects great credit on Mr. Campbell, both as a cheese and butter maker. It is a pattern of cleanliness. Mr. Campbell at one time lived over the factory, but the pattorne have completed a five newser. time lived over the factory, but the patrons have completed a fine new re-sidence for him with all improve-ments, which he greatly appreciates. He thinks The Canadian Dairyman and Farming World is a fine paper, and has taken it for quite a while. He intends to get as many subscribers for us as possible.—F. E. Durieu.

Co-operation among the proprie-tors of creameries, cheese factories and city milk supplies will tend to bring about cleanliness among patrons, and the use of better utensi

FOUNTAIN PEN FREE. A 14 kt. Cold Fountain Pen will be given to any person who secures only one new subscription for The Canadian Dairymar, and Farming World. These pens are guaranteed to give satisfaction. Try and win one.

What part of Cheese-Making is more important than salting the curd? On this depends the flavour-the even colour-the keeping quality-the texturethe market-value.

Pure, dry, well-savoured salt-that dissolves uniformly, staying in the curd -makes cheese all cheese ought to be.



The Canadian Dairyman and Farming World



### Let Something Good Be Said

### James Whitcomb Riley.

When over the fair fame of friend No generous heart may vainly turn In ways of sympathy; no soul so dead

The shadow of disgrace shall fall, instead

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or words of blame or proof of thus and so, Let something good be said.

Forget not that no fellow-being yet May fall so low but love may lift

his head; Even the cheek of shame with tears And by your own soul's hope of fair is wet,

If something good be said.



### Bridget's Broth

### · Mrs. Kate Tannatt Woods.

T WAS nine o'clock in the morning, and the doctor had paid an early visit to his patient, Mrs. Apple-n, leaving instructions with her faithful attendant, Bridget. "She is past the danger line now,

Bildy, so feed her up; we must make her take nourishment whether she cares for it or not." "What will I be giving her, doctor, abe jist ates like a bird at the best

of times?'

of times?" "Try a good, strong, lamb broth, and give her two raw eggs per day; now feed her up, and we will soon have her out again." "Indade, and I will, dector, it do seem as if the whole house was gone with her so still." "Well, Biddy, it all depends on you now, if you do not feed her well, I shall have to send in one of my trained nurses, and you know how much you like them, eh, Biddy?" The dector closed the front door softly, and went out laughing. Biddy was a good friend of his, but he loved

was a good friend of his, but he loved

As a goot match of may der he fore to tease her a bit. As he got into his carriage, he re-called with much amusement Biddy's indignation some two years since, when Mrs. Appleton was stricken suddenly with an acute attack, and he had installed a trained nurse.

Now, there are trained nurse. Now, there are trained nurses and trained nurses, as every one knows. The dear, gentle, faithful souls, who get into our hearts as well as our hom

Biddy could never forget that ex-perience. The first act of the nurse was to forbid Bridget to enter the perience. was to forbid Bridget to enter the room. The patient, although speech-less and suffering, longed for her ever devoted helper, and Biddy was heart broken

This time, with young Harold away at school and Bridget the sole com-forter of his widowed mother. Bridwas to reign supreme. hv not pray? Had she not lived

with the dear lady in her father's home from the time Miss Bessie first

widowhood, and who could read the face so dear to her as the one who knew her best? It was a sweet, old story of mi

And so I charge ye, Ly the thorny crown, And by the cross on which the Sav-iour bled,

renown, Let something good be said.

tress and maid, and the doctor well knew how dependent his frail patient was upon the great-hearted Irish woman, who had no other home and cared for none. When the doctor's carriage was out

When the doctor's carriage was out of sight, Biddy crept softly up stairs to find her charge resting with closed eyes. "Dear heart of her," said Bid-dy softly, "she do be making the sign of the cross with her white hands, and it's the best broth in the town-I'll be making for her." making for her.

Down stairs went Biddy, and soon she was telephoning for supp

That duty over, she went into her well ordered kitchen, and while making necessary preparations for the broth, talked as was her custom, to herself. "The doctor was laughing, he was, but praise be the saints, there will be no more sticking of that nasty little thermometer in her mouth, and little thermometer in her mouth, and no more messes for her to eat, and she that dainty. I do be coaxing her all the while. Oh, but the airs of her made me so angry that I was doing penance for it. Bridget, sea she--I want some staak for my breakfast, at eight o'colck' sea she, 'and do you think be cutting it an inch thick, an don't put it on the broiler until I give the word, for I must have it smoking hot

"Another time she came down, and sez she:-'Bridget, I don't like your omlettes, or the way you cook eggs,' sez she: 'I will have to show you how I was taught in the diet kitchen hos-ritel' pital. 'All right mum,' sez I; 'my cook

All right multi, see 1; my cook-ing pleases the one who pays me for it, and that is the chief concern of Bridget O'Connor.'

'Oh, the way she would come down ordering me around, was enough to put me in a fever. I do pride my-self that my range and my kitchen is

in sanitary science, indeed you do. "'In what, Miss?' sez I. "Whi "In what, Miss?' sez I. "Which was wicked of me, for the blessed mis-sus had told me all about it, and was very particular herself; why not, when she is a director of a cooking school, but I was stupid on purpose, Heaven forgive me.

" 'Sanitary or domestic science,' sez she, in her proud way, wid the head of her up in the air.

"'And what is it like, Miss?' sez I, 'do you boil it, or cook it in the oven? We never eat fried meats here.'

" 'Bless me', see the, what dense ignorance one finds even in good fami-lies. 'You see, Bridget', she went on, 'Mrs. Appleton is never very strong, and you should know what to do for her.'

and you shows a for her.' "'Yes, Miss,' sez I, 'seeing that I have done for her since she first put on short freeks, mebbe I might learn, if ahe asks it." "Well, that woman turned our

"Well, that woman turned our house upside down, and she kept me that worried that I lost ten pounds of flesh, which I might well spare, "At last she went. The doctor need-that lost she went. The doctor need-

ed her somewhere else; and I clapped the two hands of me 'till they ached, when she went out of the door, and the dear missus, she said 'Amen' as hearty as the Methody man who lives door. next

"That's why there is no trained nurse this time. A good, strong broth is it, well the dear lady shall have it as quick as I can make it, for this as quick as 1 can make it, for this morning, when she said to the doctor: 'let no one take care of me but Bid-dy, doctor,' for she knows just what to do,' I was happy... "'All right,' see the doctor, and I was that proud I wanted to hug my near discer, and the doctor, too in.

poor, dear, and the doctor, too, in-discriminate like." All day Biddy trotted back and forth wearing her felt slippers, and the in-

valid was happy, knowing how pleas-ed her kind servitor was.

Down in the kitchen the "strong broth" was being made, not according to any formula of the hospital diet kitchen, but as Biddy pleased, and kitchen.

kitchen, but as Biddy pleased, and her mistress liked to have it done. At last it was ready: and Biddy pre-pared a tray on which she placed two well-browned crackers, a pretty china bowl, a few flowers in a tiny vase, and some gloasy damaak napkina. Love had taught Biddy some things which were beyond the ken of many blaced with a roome like electron to

blessed with a more liberal education She knew that the best dish in the world would never tempt Mrs. Bessie unless it was served in a dainty man-ner. She had learned, also, never to cook the rice in the broth, but to add it after it was thoroughly cooked. The broth was skimmed and seasoned, and broth was skimmed and seasoned, and Bridget surveyed her work with great satisfaction. But Fate, the rascal, was on the alert to disturb Biddy's confidence. Just as Biddy mounted the stairs, the front door bell rang the stairs, the front door cent range sharply, and a sudden movement caus-ed one of the felt alippers to alip on the smooth, waxed floor, and away went Biddy, tray, broth, flowers, dish-es and all, olattering down to the room below. Even one lamp chimney or one small plate can make not only a terrible noise, but with fiendish glee ey are capable of producing endless bits and pieces, to aggravate the un-fortunate victim of the break.

The patient nearly sprang from her bed, as the crash was heard. The bed, as the crash was heard. The silence at last became unbearable, and she called in anxious tones:— "Oh, Biddy, are you hurt?"

No answer.

"Bridget, do tell me, are you in-

phlogistine and hot water bags, she prang from her bed and crept into

The sight which met her eyes as she gazed over the banisters into the living room, was ludicrous beyond

words. The newel post was decorated with a napkin, from which dripped a slow stream of broth, the floor was spat-tered with Hee, far too moint for a bridal party; and bits of china were to be seen here and there.

In the middle of an oriental rug, sat Biddy bolt upright, rubbing her eyes with a fat, broth-bathed hand. She had not heard her mistress; and

was simply dazed by the accident. "Oh, the likes of it," she murmured, half to herself; "and the poor dear needing nourishment.

needing nourishment." A voice from above interrupted her: "Bridget, tell me at once, have you broken any bones; if you do not bell me I shall come down." Looking up, Biddy saw the white face of her patient, and in an instant, ahe forgot herself and her keen disap-pointmort and hefes these was time

pointment, and before there was time to remonstrate, Mrs. Appleton was hurried to bed and nearly smothered with blankets.

"Oh, my dear, my poor dear," said Biddy, "It's getting a death cold you'll be, and all for that old bell-ringing."

"I'm all right now, Biddy; and you "I'm all right now, Biddy; and you must excase me for laughing, but you did look so droll sitting there, and—" "Shure I was that mad," said Bid-"Shure I was that mad," said Bid-

d, "I lost me voice, and me breaking that pretty bowl you brought from France; and the strong broth wasted and me a sight to behold." Then both mistress and maid be-

Then both mistrees and maid be-gan to haugh, and the merry laugh-ter increased the circulation, which was the very thing the doctor wanted to do, and Bridget was hapoy when she remembered that more strong broth could be had in her kitchen, and no one was hurt.

Many times during the day, Mrs. Appleton found herself laughing over the mishap, as she thought of Biddy's picture on the oriental rug.

"What a snap shot Harold would have made of it," she said to herself, and then she laughed again.

The next morning, the doctor found his patient much better, and the tem-

his patient much better, and the tem-perature nearly normal. "Biddy," he said, "did you make the strong broth?" "And did Mrs. Appleton reliah it?" "Vory much," said that lady, and then began to laugh again. The doc-tor insisted on hearing the story, and he too, laughed merrily with them.

As he said good morning, he could ot refrain from teasing his friend. not refrain from teasing his friend, Bridget, and remarked with a twinkle in his handsome eyes: "Biddy, the next time I order strong broth just make it strong enough to get over the atairs

Mrs. Appleton recovered rapidly, and insists upon it that a "merry heart doeth good like medicine."

### .....

### Why Young People Leave the Farm

There is so much said and printed on the subject of keeping young pe ple on the farm, in my opinion the only way to solve this problem is to go at it in a practical, common sense go at is in a practical, common sense way. In the first place, grow good garden stuff, and plenty of it, and set a good table. Also grow choice fruit and grapes, and small berries, and keep bees and poultry. Of with the dear lady in her father's self that my range and my kitchen is interest a kinder of the set of the se

-

an awful lot to do with making home 'sweet home

### AMUSEMENTS

After havin, done your best for the "inner man," see that you do some-thing to satisfy the esthetic senses. Plant flowers, vines and bushes, clear up the back yard, have a nice lawn around the house, a shady porch with a comfortable hammock and rockers, and for the winter see to it that there is plenty of good reading matter in the house, for pleasure and profit, and also some sort of musical instrument and games to pleasantly while away leisure hours.

boys and Don't 't overwork' your boys and Install time and labor-saving girls. devices in the house and on the farm, and give your boys and girls some-thing that they may call their own, to dispose off as they please, and re-tain, the profits. If you treat your tain, the profits. If you treat your boys and girls right they will be glad to stay on the farm, and if in their youth and inexperience, they should make the mistake of leaving home, they would discover their error pretty quickly, and be glad to return to the home nest at the first opportunity that offers.

If home offers nothing better than hardships and a perpetual "grind," it is undeserving of that sacred name. My advice to parents who wish to nave said will be lost upon you, but in that case you deserve what is com-ing to you, a lonely old age, and, maybe, an intact bank account, or property over which the children can wrangle after you have made your de-parture from this "vale of tears." Turn on the sunshine now; don't make the children wait until you are dead, before they can enjoy the com-forts and pleasures of life .-- A Country Boy.

### 10 50 50

### Economy in Housework Read at Fenelon Falls Women's Institute.

How can one woman attend various meetings, do the housework, sew-ing and care for the children? House work, like learning, has no royal road to attainment. Success is the price to attainment. to attainment. Success is the price of everlasting diligence. Housework or homework. What does the name imply? The work of the house or home, and how many and varied are the duties which must take up the time, attention, and energy of the home makers. ome-maker?

Before beginning, the first thing to - do is to look the situation over, and



find out what there is to do; bring everything to its simplest form, then work with strict regard to time.

### CARE OF BEDROOM

First, we will take up the care of the bedrooms. What do we want? We want a room that is bright, airy and cheerful, with a close regard to hy-giene. In this, as in all other rooms of the house, do away with all the useless bric-a-brac, which are only dust catchers and disease breeders. dust catchers and disease breeders. Train the boys and girls before leav-ing, their rooms in the morning to turn down the bed clothes and shake up the pillows, so as to give the bed a chance to air. I am supposing there are children in the home, as the member that suggested this subject has a family of boys and girls. It is well to let the girls, when they are old enough, have the care of their own room. own room.

wn room. 1 was speaking of simplicity. Why ot begin here? Furnish your room ith necessary furniture. White curnot begin here? Furnish your room with necessary furniture. White cur-tains on the windows; tint the walls with any desired shade of alabastine, with any desired shade of alabasine, in preference to paper; do away with carpets, using rugs instead; orna-ment the walls with a few good pic-tures. In all make your bedroom as simple and pleasant as possible.

Go to every room in the house, and see where you can simplify the work, doing away with anything and everydoing away with 'anything and every thing that is superfluous and unnec

True greatness does not consist in what we possess but in what good we can do, and what service we can render unto others. The home maker must leave to her family an inherimust reave to her tamily an inheri-tance grander and better than any worldly possessions. She must not forget that the home is the lever which raises the nation to its highest pinnacle of fame.

### RREADS

Quickly baked breads lack the Quickly baked breads lack the sweetness which are the result of long-standing, well-baked breads, as less of the starch is converted into sugar. The moment that moisture is sugar. T added to sugar. The moment that moisture is added to the flour to which baking powder has been added, gas is the result of the union of the materials. It is necessary that the batters and the doughs be prepared quickly and the oven ready to immediately the oven ready to immediately place the articles of food in, for if allowed to remain standing, the re-sult will be breads dry and full of coarse holes. So it is a wise plan to place coarse noise. So it is a wave plan to attend to the oven first, that it may be the right temperature, then put the ingredients together, and bake them. Egg and baking powder breads are more wholesome when breads are more wholesome whe served warm, as they retain the mois ure and become soggy when cold Yeast breads are better when cold excepting toast, zwieback and pulled breads, which are so thoroughly cooked that there is no danger of ill

Bread made with milk, instead o water is more tender and palatable

REAT BARGAINS by OCEAN MAIL PEACH'STABLE DAMASK

rtains, Muslins, Cret es Direct to

MARVELLOUS PARCEL PO 10 Dinner and \$6 Half-Parcel \$3.10 2 White Damask Table Cloths, 2} yds. by 2 yds

This Dominant table Couns, spylish Or 2 year White Domanok Table Cloths, special make, in cotton, having the effect of Linen Damask, foils, long, Stins, Wide, Henmed. Saif Heached Table Cloths, hard wearing, risk Cambrid Tes Cloths, Mand Embroid-ered and Drawn Thread. Hand Dawn Thread.

ed and Drawn Thread ne. Reliable Wearing. Tray Covers. Emologic reading and provide reading the final sector of the sector of the sector of the sector of the sector sector of the sector secto

and less shortening is needed in the

Mixing. Batter is applied to any mixture of liquid, shortening and flour that will pour easily from the spoon or uten-sil in which it is made, while dough is thick enough to handle.

### YEAST BREADS

In preparing yeast breads it is worth your while to place the yeast, if the cake variety is used, in a glass cup half full of luke warm water, then add a tablespoonful sugar, but no salt. The latter water, then add a tablespoonful of sugar, but no salt. The latter in-gredient being sifted with the flour. As the yeast plant, in its native ele-ment thrives on sugar, one can read-ily see that by placing the sweeten-ing in the cup with it that the plant whil grow. Cover the cup with a plate, set the cup in a ware these ing in the cup with it that the plate, will grow. Cover the cup with a plate, set the cup in a warm place, or in the sun's rays, and the yeast plant will soon fill the cup, and the bread in which it is used will be more tender and delicious.

### OUICK WAFFLES

QUICK WAPPLES To one pint of sweet milk, allow three eggs, one tablespoonul of melt-ed butter, one teasponful of salt, three teaspoonfuls of baking powder. Separate the yolks from the whites, and beat the former until creamy, and the whites stiff. Put all the in-regularity to the yolks, excepting the and the whites still. Fut all the in-gredients to the yolks, excepting the whites, and beat to a smooth batter; then add the whites, and bake.

PRESERVING THE FRUIT Decide upon the amount of fruit rou will cook at one time, then have you will cook at one time, then have two bowls-ons for the sugar and one for the fruit that will hold just the quantity of each. As the fruit is pared or hulled, whichever the case may be, drop it into its measuring bowl. When the measure is full put the fruit and sugar in the preserving kettle. While this is cooking, an-other measure may be prepared and put in the second preserving kettle. In this way the fruit is cooked quick-In this way the fruit is cooked quick-ly and put in the jars and sealed at once, leaving the pans ready to sterilize another set of jars. If the fruit is to be preserved or

canned with syrup, it may be put into the jars as fast as it is prepared. As soon as a jar is full, pour in enough syrup to cover it.

If several people are helping, and large kettles are being used for pre-serving, or where fruit (like quinces and hard pears) must be first boiled in clear water, the pared fruit should be dropped into a bowl of cold water made slightly acid with lemon juice (one tablespoonful of lemon juice to a quart of water). This will keep the fruit white.

All large, hard fruit must be washed before paring. Quinces should be rubbed with a coarse towel before they are washed. If berries must be washed, do the

work before stemming or hulling them. The best way to wash berries is to put a small quantity into a colander and pour cold water over them; then turn them on a sieve to drain. All this work must be done quickly that the fruit may not absorb much water. Do not use the fingers for hulling strawberries. A simple huller can be bought for five cents.

### A Subscriber's Letter

"For mentioning The Canadian Dairyman and Farming World, when I purchased some goods from its ad-I received some very fine a premium. I am very vertisers. vertisers. I received some recy much plants as a premium. I am very much pleased with the plants, and never expected to receive such fine ones, and much admired the careful way in which they were packed. I

way in which they were packed. I thank you much for the premiums."— Mrs. W. Roebuck, B. Columbia. We would urge our readers to men-tion our advertisers whenever pos-yible. It helps them, helps us, and helps you, as in the case cited above. —Editor. -Editor

### \* Asked and Answered

Readers are asked to send any questions they desire to this column. The editor will aim to reply as quickly and as fully as space will permit. Address Household Editor, Cunadian Dairyman and Farming World Peterboro, Ont. 59995

How can I get good fat from suet, and cooked meats, etc?-Mrs. Ed. Turner, Brant Co., Ont.

Cut the fat in small pieces, cover with cold water, and let stand over night; pour off this water, add fresh night; pour off this water, add fresh water or milk—a cup to each two pounds of fat—and let cook very slow-ly until the pieces are light brown in color, and the fat is clear and still (no sound of bubbling or cooking.) Strain through a cloth, and press the fat from the pieces for a second quality of fat. When the liquid is cold, remove the

fat to a saucepan, add part or a whole cup of cold water and let cook slowly until the water has evaporated, and the sound of cooking has ceased, then strain through a cloth. Much of the strain through a cloth. Much of the flavor and odor of the fat passes off in the water during the evaporation.

Why is it that sometimes cream will not whip, even after much time is spent upon it, and a pinch of corn starch has been added to it?-Jennie Burns, Ont.

Milk cannot be whipped to a firm froth. The cream in question pro-bably contained too small a proportion of cream to make whipping pos-sible. Do not understand why the addition of any quantity of cornstarch should help the matter.

I would like a good recipe for plum july.-A Housekeeper, Manitoba. Place the fruit dry in jars. Two quart jars are good for this purpose. Either place the jars in the oven on asbestos paper or in a fruit steamer and cook till the fruit is tender. Take Take out and strain through a flannel bag out and strain through a flannel bag. Add as much sugar as juice, and stir until the sugar is dissolved. Place on the back of the store and heat slowly ("and let boil" we suppose is meant) until it forms jelly drops on the spoon. During boiling, skin care-fully. It will take but a little boiling, a this is unce links. fully. It will take used to this process, as this is pure juice. This process, produces the clearest and finest jelly, produces the clearest and finest jelly and the produces the second second second second second terms of the second The pulp may be used for jams or butter by straining through a sieve and adding an equal amount of sugar and beating slowly till thick enough. Place in jars and seal as usual.

### 

Let us be of good cheer, remember-ing that the misfortunes hardest to bear are those which never come.

DISORDERS DISEASES OR

OF

BLEMISHES THE SKIN Are always safely cured or removed by ared or needs, new all of which are snolongeranyr naving an unh looking, rusty or dis-colored face. Our success in the treat-ment of these troubles has been phenomenal. It is not necessary to ave hon-

### Superfluous Hair

Moles, Warts, Ruptured Veins, Smallpox Pittings, etc., permanontly and sailshic-torily removed. We invite inquiry from all regarding our home or personal treat-ments. Correspondence confidential. Booklet. "K and sample of creatm sent free to those describing their trouble.

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16

### 1-------OATMEAL BREAD

OATMEAL BREAD Pour 5 cups of boiling water over i cup of rolled oats, add 55 cup molasses or sugar, i tablespoonful of lard, and 2 teaspoonful of salt. When lukewarm add 55 or % cake of com-presser yeast dissolved in a little lukewarm water, then add enough, and kin in. Lwr ico over night, then and kin in. Lwr ico over night, then and kin in. Lwr ico over night, then the salt of the salt of the salt of the DEPL atmosfered water.

### DRIED APPLE CAFE

Soak two cups dried apples over ight. Drain off water, chop fine, night. and cook in two cups molasses until thick. When cool add 2 cups sugar, thick, when cool and 2 cups sugar, 2 teaspoonful each nutmeg and all-spice, 3 teaspoonful cinnamon, 1 cup shortening, 2 cups sour milk, with 2 level teaspoonfuls soda dissolved in it, and flour to make a stiff batter. This is an excellent recipe, and makes four large loaves. and CHERRY DESSERT

Press sufficient rich, stewed cher ries through a sieve to make 1 cup pulp. Add 1 cup thick whipped cream and a large spoonful of ripe pitted cherries. Flavor with a few cream and a large spoonful of ripe pitted cherries. Flavor with a few drops of almond extract. Put in a mold, cover securely, and pack in ice and salt for 3 hours.—M. F. Smith, Welland Co., Ont.

### BLUEBERRY CAKE

To 1 cup milk add 1 cup sugar, 2 cups berries, 4 cups pastry flour, 1 egg, 1 tablespoonful butter, scant ½ teaspoonful soda, and ¾ teaspoonful teaspoonful soda, and % teaspoonful cream tattar. I use raspberries, blue-berries, or huckleberries with this, and sometimes make a sauce and serve as a pudding. It is very nice eaten hot, with butter on it.—Mrs. S. D. Bacon, Hastings Co. T. MATTER BIOGROTARE

To 1 egg add 1/4 cup sugar, butter size of an egg, 1 cup sweet milk, 2 teaspoonfuls baking powder ,and 2 cup of flour. This is fine for strawcup of nour. This is ne for straw-berries, raspberries or currants, and is so little trouble to make, as it is a batter.—Mrs. A. W., Waterloo Co. BPICED CURRANTS

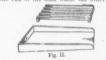
BPICED CURIANTS To 7 lbs. washed and drained ripe currants, add 5 lbs. brown sugar, 1 pt vinegar, 3 tablespoonfuls cinnamon, and 2 tablespoonfuls cloves. (Tie and 2 tablespoontals covers. (The the spices in a cheesecloth bag.) Bring to a boil and cook slowly for 1% hours. Put up in jars and store in a cool, dark, and dry place. Nice with cold meats and game.—A. Grant, Peterboro Co., Ont.

### **Convenient Kitchen Sink** In nine out of ten, the kitchen sink has not sufficient accommoda-tions for the dirty dishes, the dishpan, and space to set the dishes when washed. The cuts shown herewith





suggest a way to increase the suggest a way to increase the space that is given these. Figure II, shows a board about two feet long, with side pieces in three sides, and with the bottom hollowed a little along the middle. Into this the dish drain-er that is shown in the same figure. fits. fits. One end is now placed upon the end of the sink while the other is

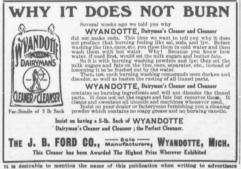


supported by a swinging arm, or bracket that is fastened to the wall, bracket that is fastened to the wall, this end being a little higher than the other, so that the drip from the dishes may run down into the sink. The dishes on being wiped are set upon a table, or into a closet near at band. When this draining board is not in use it can be set away be-bracket turned around against the wall, out of the way. wall, out of the way.

### .... Apple Trees Free

What boy or girl on the farm would not like to have one or two nice apple trees all of their own? If you will simply send us one new yearly sub-scriber for this paper at \$1 a year, we will send you free of cost the "Boy's Delight Apple Tree." This is an exceptionally fine dessert tree is an exceptionally fine dessert variety, and ripens about the 15th of September to the middle of October. It resembles the Fameuse in color of flesh. The apple is sweet and of ex-cellent quality. It is quite a new var-iety, and is a seeding of the Snow: For five new subscribers of 8, each

For five we subscribers at \$1 each, we will send you six of these trees free of cost. Try and secure a club of five subscribers, and start an orchard for yourself. Send all subscriptions to The Household Editor, The Cana dian Dairyman and Farming World, Peterboro, Ont.



### Fruits on the Farm

Nowhere is there greater need for a generous supply of fruit than on the farm, where the diet is apt to be re-stricted in variety because of the disance from the markets. Every farmer should raise a generous supply of the kinds of fruit that can be grown in his locality. Wives and daughters on Kinds of fruit that can be grown in his locality. Wives and daughters on 'the farms should find pleasure in serving these fruits in the most aealthful and tempting form. There are a large number of simple, dainty desserts that can be prepared with fruit and without much labor. Such desserts should leave the pic as an occasional luxury, instead of allowing it to be considered a daily necessity.

In the season when each kind of fruit is plentiful and at its best, a generous supply should be canned for the season when both fruit and fresh vegetables are scarce. A great deal the season when both fruit and fresh vegetables are scarce. A great deal of the fruit should be canned with little or no sugar, that it may be as nearly as possible in the condition of fresh fruit. This is the best condition for cooking purposes. A sup ply of glass jars does cost something ply of glass jars does cost something, but that item of expense should be charged to future years, as, with pro-per care, the breaking of a jar need be a rare occurrence. If there be an abundance of grapes and small, juicy, fruits, plenty of inice should be canned or bottled for refrashing drinks throughout the year. Remem-but the start but as an initic are not how the start but as an initic are not numerice, but an said juice are not how the members of the family and creatthe members of the family and great-er economy in the cost of the table.

### FRUIT FOR THE MARKET

If the supply of fruit is greater than the family needs it may be made a source of income by sending the fresh fruit to the market, if there is one near enough, or by preserving, canning, and the making of jelly for sale. To make such an enterprise a success, the fruit and work must be first-"Home-made," when the product ap-peals to the eye and the palate; but ple have found to their sorrow that this word has not magic enough to float inferior goods on the market. For first-class home-made products, home-made there is a market in all large cities. All first-class grocers have customers who purchase such goods.

To secure a market get the names f several first-class grocers in some the large towns. Write to them, the large towns. Write to them, king if they would be willing to try a sample of your goods. If the an-swer is favorable, send samples of the articles you wish to sell. In the box with the fruit inclose a list of the articles sent, and the price. Write your mame and address clearly. Mail note, and a duplicate list at the time you send the hox.

### MAKING A PROFIT

Fixing the price of the goods is im-portant. Make it high eaough to cov-er all expenses, and give you a fair return for your labor. The expenses will be the fruit, sugar, fuel, jars, glasses, boxes, packing material,wear glasses, boxes, packing material, wear and tear of utensils, etc., transporta-tion and commission. The commis-sion will probably be 20 per cent. of the selling price. It may be that a merchant will find your prices too high, or too low for his trade, or he may wish to purchase the goods outright. In any case it is essential that you estimate the full cost of the proyou estimate the full cost of the pro-duct, and the value that you place on your labor. You will then be in a position to decide if the prices offer-ed will compensate you for the labor and expense. Do not be tempted, however, for the sake of a little money, to deprive your family of the fruit necessary to their health and pleasure. pleasure.

July 29, 1908

### \* The Sewing Room Patterns 10 cents each. Order by number, and size. If for children, meanire for white, and wite base to pattern Department. The Sewing Room BATHING SUIT, 5703



This bathing suit is made with separate skirt, and the plaits are so arranged as to produce the conto produce the con-tinuous lines at front and back. Finish can always be varied, and a stitch-ed hem and bands of the same are quite sufficient, or braid can be used.

can be used. The suit is made with blouse, bloom-ers and skirt. It is slightly open at the neck, so allowing perneck, so allowing per-fect freedom at that point. The bloomers are comfortably full, and are drawn up by means of elastic at

for the medium size is 9% yds 52 in wide, 1 yd 27 in, wide

44, or 5/2 yas 52 in when, i ya 27 in, whee for trimming. The pattern in sizes for a 34, 36, 38, 40, and 42 in bust, wil be mailed to any ad-dress\_on receipt of 10 cents.

### ELEVEN GORED SKIRT 5911.

The many gored skirt that flares at the lower edge is a favorite. It is grace-ful and generally becoming. Material required

Material required for medium size is 10½ yds 27, 6½ yds 44 or 52 in wide. The pattern is cut for a 22, 24, 25, 23, 30 and 32 in waist, and will be mailed on receipt of 10c.

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TUCKED OVER BLOUSE WITH GIRDLE. 5943

Over waists not alone continue great-iy in vogue, but ap-pear to take on a new lease of life with each incoming sea Material required

Material required for medium size is 2 yds 21 or 24, 1% yds 27 or 1 yd 44 in wide, with 3 yds of band-ings; % yd of silk for girdle.

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

### 

ONE-PIECE HAT 5670.

E HAT 5678. The hat that is truly a washable one is the most practical of any, and has a certain dainty charm that renders it extremely effective. This one can be opened out flat and laundered without the least difficulty. The hat is made in one piece that is to

The head difficulty the head the second seco

of 10 cents

**ALBERT CO., N. B.** GAIWAY. — Harjue rate for an attempt of the second s

GRENVILLE CO., ONT.

GRENTLLE CO. 05.7. PIERSOUT: — Pastures are in very good condition since the recent rains. Grain is coming on well but all is very short in the straw, except the earlier varieties. Weather is very showery at present. Hay-ning to realize that they have to use econ-omy in feeding to have eough to bring them through till next spring. Hogs, so to like all is, we loed, so to like the other of the straw of the to like the other of the straw of the straw of the straw other of the straw of the straw of the straw other of the straw of the straw

dilines, 432, costs, 66 a hush. corre, 76c -0. W. C. HASTINGS CO., ONT. ELDORADO.-Crops as a whole are far-orable. Hay is probably below the aver-age in length. It is also patch, owing to the poor actor on the knolls and hard the poor actor on the knolls and hard the lower and more level lands are very hick and neavy, ensuring fully a ton and a half or better to the area all told. Very little red clover was thick enough for seed. Asia and set herever sown. Very little red clover was thick enough for seed. Asia will see the terms are aver-little red clover was thick enough for seed. Asia will see the term are aver-little red clover was thick enough for pie now. When is a failure as a rule, owing to the previous two weeks drightly headed, and is beginning to turn. Onte also are short but well headed. Peas look fine and are loading nicely. The weather has been favorable for corn. Potates are doing well the but here are are und ally crops over the ground. The late seen on the raises. Karly apples are in abun-dance. Late varieties are accreas. They and the raises. Karly apples are in abun-dance. Late varieties are accreas. They and the raises are more raised to any great extended. Yens the seen of alter axis. Karly apples are in abun-dance. Late varieties are accreas. They are short thin while the abarence of a star and the second mean the second theory and the second mean terms of the second of the raises. Karly apples are in abun-dance. Late varieties are accreas. They are short the second mean terms of the second of the raises. Are the second mean terms of the second of the raises are more the former being the second mean terms of the second of the raises are more the former terms of the second of the raises are more the former terms of the second of the raises are more the former terms of the second of the second mean terms of the second mean terms of the second of the term of the second mean terms of the

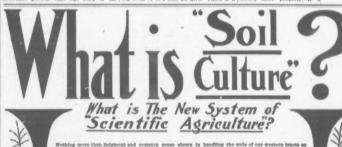
ESSEX CO., ONT. There was a monster farmers' pienic at Kingsville. Seese County, on Wednes-day, and Mr. 6. A. Putnam, superintend-ent of Farmers institutes, who was present, says the crops in that section look well in comparison with other parts of the pro-ting in varietables, and one farmer has three acress of melons just about ready to piek.

\$23.—J. M. TAVISTOCK. — Pastures are dry and hard, and there is a great abrinkage in the milk at the cheese factories. Pac-tories average three cheese less a day than at this time last year. Wheat is ready to cut, and is a light crop. Hay was harrested under the bast conditions, but was a light crop. Hariey and oats are a very heavy crop, but the latter are very heavy crop.

The Canadian Dairyman and Farming World

Researcheeseeseeseeseese badly lodged. The weather is favorable, COUNTRY NOTES AND PRICES ALBERT CO., N. B. CALERT CO., N. B. CALERT CO., T. C. CALERT

taily lodged. The weather is favorable timb planty of motions lately. New timotary hay, 88 - ionous lately. New the versage. The old meadows are ratio hay lately have have have have hay lately have hav



Nothing more than judgment and common sense shown in handling the soils of our western traces so that the randali may be held for immediate absorption by the root fibers of growing croup. If is a system experiment is a single structure of the source of t

### "Hurry to Colorado" Now

"EMPTY DO COORDAGO" NOW
Bary which we have not one is the activation and so one of could be the same of your one is the activation of the same of your one is the activation of the same of your one is the same of your one your one your one is the same of your one your o

### Explanation of Cuts Below.

Photo at left. These are stacks of Alfalfa on the farm of D. J. Shearer. Photo at right. An enormous polato field—so acres—harvesting over sood los, to acres—320,000 los, in ull and sold on the ground for \$3300.00.

### "Hurry to Colorado" Now

a fast passing opportunity. Here are cheap lands possibilities for great increase in land values, he v to plan, what to be d its free board are w for it, to Dept. 19

The Farmers Land & Loan Co.,

145 LaSalle Street, Chicago, Ill.

17

# MARKET REVIEW AND FORECAST But time will tell. Everything considered welling aback. In the long run it pays

Turonto, Juj 27th, 1906. – General, trade conditions show little change. Some wholesale firms compain of not being able to get the usual credit from the banks, and consequently their fail trade will be hampered. It is estimated that fifty million dollars will be requir-ed to handle the western wheat crop, and banks are harboring when there is to a handle the western wheat crop, and banks are barboring when the trade of the same side till the harrest is over. There is no lowth movers or each move rules at 5% to 6 per cent.

### WHEAT

The situation in regard to wheat is clearing somewhat. A fairly accurate estimate of the world's wheat crop is now available. The United States will

FARMS, HOUSES AND LOTS FOR SALE.

BLEWITT and MIDDLETON, 421 George Street, Peterboro.

### FOR SALE AND WANT ADVERTISING

### TWO CENTS A WORD READ BY 15,000 PEOPLE WEEKLY

THIS DEPARTMENT is one of the most valuable in the Paper. At a cost of only Twe cents a word, you can advertise anything you wish to buy or sell, or situations wanted or

which to buy of sail, or astransion "series" "THE" ADDRESS must be consided as parts outputs and series of the same series of the short at our offen, locality series are to be series to a box at our Offen, locality series in a charget to pay pointage on replies to the areas. Contrast on the received Friday to guarantee CONTO IN INSTITUTION OF THE SAME SERIES SAME SERIES AND THE SAME SERIES AND SERIES AND SAME SERIES AND SERIES AND SERIES AND SERIES AND NOT ALLACK AND THE SAME SERIES AND SERIES AND SERIES SAME SERIES AND SERIES AND SERIES AND SERIES AND SERIES SAME SERIES AND SERIES AND

NO BLACK FACED TYPE or display of ny kind will be allowed under this head, thus naking a small advertisement as noticeable as large one.

### FARMS FOR SALE

172 ACRES, two miles from Kingston, soll water, drainage, fencing, buildings and contiguity to first-lass market, makes it one of the most desirable stock farms in Canada. Will sell farm, stock, erop and implements, at a bargain. Partic-plars, price and terms on application,--J. W. Suddard, Cataraqui, Ont. E-85

VILL SELL OR EXCHANGE for good Ontario farm, 320 acres choice land in Northwest, conveniently situated near good town, station, school, church, also good water. Full particulars, apply, Box 191, Cannington, Ont. E 7-29 WILL

FARM FOR SALE, situated near the vil-iage of Athelstan, Que, convenient to railway station, church, post office, etc. For particulars apply to Bor P. Cana-dian Dairyman and Farming World, Batachers

Free Barts - Town of Brampton, twenty miles west of Toronto, choice garden and fruit land. Rue harses, first class schools, churches and railroad connec-tions with Toronto: bargain, for sale quick, Box 56, Canadian Dairyman and Farming World, Peterbaro.

20 ACRUS-5% miles from limit of Cal-gary, 1 mile from school, church, poor and house, some ortbuildings; land schill house, some ortbuildings; land schill around for \$50 to \$75; a snap for \$53 an acre. Half each, half terms. Owner. Apply, Box 60, Canadian Dairy-man and Farming World, Peterbore.

238 ACRES, choice land, main road, con-venient to schools, churches, two good village markets: 60 acres cultivated, enormous crops raised, touches small lake, will sell direct to farmer, \$5,500, Box 65, Canadian Dairyman and Farm-ing World, Peterboro.

### MISCELLANEOUS ADVERTISEMENTS

ANTED.--Persons to grow mushrooms for us at home, waste space in cellar, garden of farm can be made to yield fitten to twenty-five dollars per week. Send stamp for illustrated booklet and full particulars. Montreal Supply Co., Wontreal.

GINSENG. - Seeds and plants for sale, for fall planting. Big money maker, Write for circular. J. E. JANELLE, Caughnawaga, Que. E 8-5

AND FORECAST. The second secon

### COARSE GRAINS

COARSE GRAINS The oat market is strong, and prices are higher, owing to small supply. The crop, both in the United States and Canada, will likely be large, so that the present spart upward, is more or lass tions revail as with wheat, the supply in sight being lower than for years, and their will be no old stock to influence the market when the new crop is ready. This will help to keep up values. Oats at Ontario points are quoted at 46 to at Oat to 56 a bushel. Harley is quiet, with quotations here at 56 to 660 out-side. PEEDS FEEDS

Bran continues scarce , and prices, are firm. The rulls are running light, and supplies are limited. At Montreal Mani-toba bran is quoted at \$22 at on in bags, and shorts at \$24, and Ontario bran 1995 in Based in Based in Based in Statements mags, and shores at say, and ontario orani at \$20 to \$20.50 in bags. Bran is quoted here is \$17 and shorts at \$20 to \$21 a ton in bulk outside. The corn market continues firm at 85c to 84c Toronto freights. Feed wheat is reported firm at Montreal at  $73/_{0}c$  a bushel for No. 1.

### HAY AND STRAW

The hay market at Montreal is strong and values are clout \$1.00 a ton high r' and values are clout \$400 a ton high-er. more particularly for first quality, which is quoted at \$15 to \$155, No. 2, at \$10 to \$11, No. 3 at \$9, clover mixed at \$2.56, and clover \$10 a ton in car lots here at \$9 to \$10 for imothy, and \$75, to \$8.50 for No. 2. Haled straw is quoted at \$7 to \$18 a ton in car lots. On To-ronto farmers' market old hay sells at \$14 to \$16, new at \$10 to \$21, straw in bundles at \$10 to \$12, and loose straw at for TATORE ANN REANS.

### POTATOES AND BEANS

POTATOES AND BEANS Few new Outrain potatose are coming forward yet, and dealers.are largely de-pendent upon the United States for sup-plies. Prices therefore keep high at \$2,50 to M at bb. in car to do on track, \$2,50 to M at bb. in car to do on track, the state of the state of the state of the potatose sell at \$2,40 to \$1,75 a hushel. There is little change in the bean market. The inquiry at Montreal is chiedy for foreign beams which come cheaper. There is a searcity of the home to \$2,16, and hear update there at \$2, a bushel. EGGS AND FOULTRY

### EGGS AND POULTRY

Eggs continue to advance in price ow-ing to the short supply. The demand is considered good for this season of the considered good for this season of the year. There are many complaints of bad weggs, and there is considerable loss on that account. Selected stock is quoted as high as 25 at Montreal. The market is firm here at 50 to 25 a dozen in case lots. On Toronto farmers' market new-laid sell at 25 to 35 a dozen. Spring chickens dressed sell at 35 to 36 dozen. for at 12 to 14 and 14 for a first part of the 50 do 1h

### FRUIT

The service whom the second se

### UNION STOCK YARDS HORSE EXCHANGE

UNION STOCK YARDS MORSE EXCHANCE There is very little doing at the present time in hores. Farmers are hours and try. Bone database to bork and try. Bone database doing and the week totalide about 30. There is delivery work. But any great activity in trade is not looked for till Septem-her, when the fall trade will open up. When that time arrives, farmers who have hores will be ready for the mar-het shortly, and value may not be so to of young horse coming on in the soun-try. These will be ready for the mar-het shortly, and walles may not be so tollower. Henry draught, size to \$223, delivery horse, \$140 to \$200 editers, \$155 to \$200 each. These are for horses guaranted sound. Berviceably sound here we all at from \$0 to \$100 each. and the truth little business doing. the truth little business doing.

LIVE STOCK

LIVE STOCK Beseiptu of live stock als both the wear Toronto and city markets last weak, how to and the stock als both the wear Toronto and city markets last weak, how to an also both and the seek prev-large quantity of inferior stuff official large quantity of inferior stuff official large quantity of inferior stuff official the market situation to warrant shipping the market situation to warrant shipping minimished atter. The market is larket to the all the transfer is likely to be better later on than it is now. At and there is every reason why poorly fin-the transfer is every reason why poorl



ished cattle should not be ished eattle should not be marketed. Choice butchers' cattle were not in large supply during the week, and prices for these rule standy. The fairly large run of cattle, however, last week will meet, the needs of the local trade for a few days, and a lighter run this week would' be advisable, though choice quality would find a ready market.

find a ready market. We use you want The export market above little change. The English market for July lifet, was re-ported steady at 11% to 11% for a lb dreas what they were when export eatile were selling at from \$5 to 85.0 a cwt. The American market has not taken the drop the market has here. Steers are quoted the market has here. Steers are quoted in Toronto market on Thursday, though quotations remained at \$5 to 85.0 for ex-port. Choice butchers' cattle are worth \$5 to 85.5 a cwt. but none were offering at the

Choice butchers' cattle are worth so to \$5.25 a cwt, but none were offering at the end of the week. The highest price re-ported on Thursday was \$4.60. Medium cattle are quoted at \$4 to \$4.25; common grades at \$5.50 to \$3.75; cows at \$2.60 to \$3.90, and canners at \$1.50 to \$2.50 a cwt.

rades at \$3.50 to \$3.75; cowe at \$5.50 to \$4.50, and camers at \$1.50 to \$2.00 a evt. Take in feeders and stockers is slow, with very few good quality ones being marketed. More of this kind would sell, ore; a rev worth \$4.50 to \$4.57; medium, \$5. to \$4.50, and store bulls, \$2.55 to \$2.50 a evt. Good heavy feeders are worth \$4.40 to \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each, with an average prior of \$4.5 to \$60 each. The market for calves continues strong. Choice veals are in demand. Quotations \$4.5 to \$60 each. The market for calves continues strong. Choice veals are in demand. Quotations \$4.5 to \$60 each. The market shows at \$4.55 to \$7.50 exct. At East Bindfalo lambs are quoted buck. Lambs are lower at \$6.56 to \$7.50 exct. At East Bindfalo lambs are guoted belots were unoted at \$6.50 for and weal. The hor market ruled steady at last week's prices, though at the end of the week a little easier feeling was reported. Helets were unoted at \$6.50 for and wait, figure was the ruling prior \$6.50 for and wait.

ered and lights at 86.6 a cwt. The latter frare was the ruling price  $l_0$  at com-try points, though higher prices were re-ported as being paid at soome points. At East Buffalo heavy and mixed hoge are quoted at 87 to 87.01 (roukers, 86.80 to 87, and pige at 84.06 to 85.38 a cwt. The Montreal Trade Bulletin's London cable of July Eard, quotes bacon as fol-lows: "The market is atacady with more haron for 16 fas."



July 29, 1908

sold at \$4,90, and heavier ones, 1300 each, and at \$5,50, and bulk at \$4 to \$4,50 a \$4,50 and \$5,50 and \$5,50 and \$5,50 and at \$5,50 and \$5,50 and \$5,50 and at \$5,50 and \$5,50 and at \$5,50 and \$5,50 and at \$5,50 and \$5,50 and annis at \$5,50 to \$7 a core. Hops are price \$5,55 to b, at course, making the price \$5,55 to b, at course, points.

### THIS WEEK'S HOG PRICES

The William Davies Company, Toronto, report that prices varied very much at country points last week for hogs. In many places as high as \$6.75 was paid. They expect this week to be able to buy at \$6.65 a cwt. f.o.b.

### PETERBORO HOG MARKET

Peterboro, Ont, July 2546. - The mar-heterboro, Ont, July 2546. - The mar-ket is very weak on account of old country cables and fairly large deliver-ies. On account of this prices have dropped, and the George Matthews Com-many are paying the following prices for this week's shipments: f. o. b. country points, 85.0 a. cwt.; delivered at abattor, 85.0.

### MONTREAL HOG MARKET

MONITEAL HOG MARKET Montreal, Saturday, July 26th. -The market here for live hogs scored an ad-vance during the past week on account of small supplies, coupled with a good damad from the trade generally. The demonstrate state of the state of the lected lots, but as his 57.64 was paid in syme master his 57.64 was paid

In some cases. The market for dressed hogs is firm and prices rule from \$10.00 to \$10.25 a cwt for fresh killed abattoir stock .

The Anima Anator store of the sector. Sector of the sector EXPORT BUTTER AND CHEESE

ease over last year in the make from on

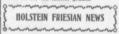
new on. The butter market is fur, and prices The butter market is fur, and prices in the country are practically unchang-ed from last week. The demand for ex-port is failing off, and the shipments this week were barley one quarter of the quantity shipped last week. There are eigens, however, that the demand will some up again provided prices are not is cortainly a tot any estient, as there is cortainly a tot any estient, are there is cortainly a distance of the United King-dom.

### MONTREAL PRODUCE TRADE

Montreal, Saturday, July Sth. - But-ter. - There is a good trade doing in butter, and dealers have no ufficulty in obtaining 256 for choice prints, and 24% for the same quality solids. Ordinary facest can be obtained at about 26¢, with very searces to 25% obtaioe dairy is by ordinary goods fetching from 250 a bit. offica. to 21c.

to lie. Eggs. - Eggs are firm with receipts steadily diminishing and prices firming up every week. Selects are selling free-by at 22c, and No. 1 stock at 20c. The supply of seconds is very small, most of the stock on account of the cool weather and close on account of the cool weather and close and the second second second second the stock on account of the cool weather and close account of the cool weather and close account of the second sec ota.

The demand for cheese from Cheese. Cheese. — The demand for cheese from the local trade is fair, and prices range from 12% to 136 for French goods and 13e to 14e for the fancier grades.



**Cheese Board Prices** 

BOARD	Date of Met'g	WHITE CHEESE			COLORED CHEESE		
		Boarded	Lowest Price	Highest Price	Boarded	Lowest Price	Highest Price
London Linday Linday Lampbellford. Stifling Peterboro Wooldstock Alexandria Belleville Stockville S	" 20	385 none 1,025 740 785 800 883 2,070 1,525 400 1,657 721C & W 783 1,770 W &	11 13-16 112 11-16	111 111 111 111 111 111 111 111	1,033 1,415 4,413 1,041 320 1,178 523 2,010 1,200 414 448 604 350	11ĝ 11 11 16 113 11-16 11-16 11 9-16 no sales	$\begin{array}{c} 119\\ 119\\ 113\\ 119\\ 1340\\ 1340\\ 1340\\ 119\\ 119\\ 113\\ 119\\ 119\\ 111\\ 119\\ 119$
QUEBEO St. Hyacinthe Cowansville Sherbrooke Huntingdon NEW YORK Watertown	July18 18 20 24 July18 18	1,140 490 139 186 9,000	112 113	11 7-8 12 11 10 2 11#	753		10 9-16

Togge strength district, are beend several downsy way and the several downsy way and Mr. B. M. Lovelez, of degineouti. These men are among the leading farmers of the courty. Most of these breeders have excellent scote. Some of them have animals that ring. Several of them have animals en-tered in the Record of Merrit and in the Record of Performance. The leading breeders realise that now they have got for them to start is would be possible of them to start is would be possible for them to start is would be possible an Holstein centre. Most of them live along the line of the electric railway which runs up Yongs stress from Toron-to. Thus the thousands of farmers, visit foronto at the time of the breeders meetings, are able to run out and inspect their herds at little cost. So enthulastic are they about the fut.

and inspect their herds at little cost. So enthusiastic are they about the fu-ture of the bread in their section that some of them are contemplating clubbing together and raising \$1,000, with which to purchase a buil from a dam with an official record of 30 lbs. of butter in seven daws These is not builts of butter in seven official record of 30 hbs. of butter in seven days. There is only one such bull in (Ga-ada, and they feel that if they can secure one it will do much to build up the repu-tation of their stock. In a few yeary his section promises to become one of the leading centres for Holstein-Freeian cattle in Canada.

### GOSSIP

GOSSIP Canadian shippers of perishable eargoes will be pleased to know that another ad-will be pleased to know that another ad-the state of atomate to the already large fleet of atomate to the already large fleet of atomate to the already rese from Montreal to Great Britain The latest addition is the magnificent steamer. "Califormers," She has a length of 400 feet, breadth 52 rest, depth, 34 feet, 3 inches breadth 52 rest, depth, 45 rest, 3 inches the state the state of the state of the Alfon at Los, electric light, and is rated Alfon at Los, electric light, and is rated and weight. Her loading and discharge dead weight. Her loading and discharge and guickly discharge and load cargoes on both sides of the ship at the same in Transmitter the same the the same the

The most interestint, feature of the boat in the cold storage and cool air plants, which enhraces air compariments, any of which can be maintained at a separate down to five above serve, for the corresp of frozen meats, butter or fruit. Her cool air plant comists of four separate cool air plant comists of four separate and and an engine the second second second second compariments, which can also be main-landed at second sec compartments, which can also be main-tained at separate temperatures. A re-presentative of The Canadian Dairyman a saturing World recently inspected at the second second second second second recent second second second second second relative provided for the proper carrying of periahable cargoes.

It has been conceded by experts that the cool air and cold storage equipments of the "Cairnrona," are the most modern and complete of any steamer sailing out of Montreal of Montreal.

The butter and cheese exporters appear to appreciate having this boat added to to appreciate having this boat added to the Montreal service, as the "Cairnrona" had as much butter and cheese as ahe gould carry when she sailed for London on Saturday, July 18th.

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Talks with Farmers

### (Continued from page 6)

THE SANITARY INSPECTORS THE BANTTARY INSPECTORS The inspection of milk houses and utensits by government officials is very necessary, easily of the first sector of the at the cheese factory at Warminster, "but sufficient. There are some fill not be sufficient. There are some are first the inspector had left. A district inspector about be appointed so that be could call in the patrons of this factory. They are

fully allve to the importance of clean milk and clean utensis. Should I have occasion to send a can of milk back to a interest. I about the life in his own interest. I about the life in his own interest. I about the life in the standard of the make throughout the province, as it would raise the standard of the make throughout the Standard Districts." Frank E. Durfes, travelling representative World. of The World.





ROCK SALT for Horses and cattle, in tons and carloads. Toronto Salt Works, Toronto.

### MISCELLANEOUS

### FOR SALE. CHOICE SHEARLING SHROPSHIRE EWES AND RAM LAMBS

Can supply pairs or tries not akin. shorthour ball cat. been and is monthe oil ball cat. been and is monthe oil ball cat. been and is star timp. 0,033. A very choice red call, also Berkhire september delivery. Philo er ready for september delivery. Philo er ady for September delivery. Phil

DON JERSEY HERD

Can furnish you with young bulls sired by Golden Lad of Thornoliffe, who was sire of the lat prise herd at the Toronto Exhibition, 1907. If you want practical money making Jerseys, secure one of these well bred bulls.

### D. DUNCAN

Duncan Station, C. N. O. By. Don, Ont.

FAIRVIEW BERRSHIRES Young stock for sale from Imp. and Can-adian bred stock, bred on prize winning lines from choice individuals. Come and see them or write to HENRY A. MASON, Scarboro, Ont.

Street cars from Toronto, pass the de 0.6.0.00

LOCHARAB STOCK PARM, and Poultry Yarda, offers two piles young Ehordhorn Bulls, fit for esservice states, and Prices right. Eggs from Barred Bows, White and Partridge Wyandottes, 8150 per 15. Imperial Pakin duck eggs, 8150 per 16. Morons Turkey eggs, 8150 per 16. M. Arons Yurkey, edgs, 8150 per 16. M. Al-D. A. Graham, Was-stend, Ont. 6470

stead, ont. THE HOMESTEAD HERD OF ABERDEEN ANGUS CATTLE. Present offerings: a monthe old bill, size are chan-pion, also cows and helfers of the chan-pion, also cows and helfers of the chan-room, at prices that will surprise you. WM. ISCHE, Proprietor Ed. Schringville, Ont.

PINE GROVE BERKSHIRES-Block of all ages from imported and Ganadian bred irres and dams of the choicest bread-ing for sale, and guaranteed as repre-sented; write for particulars. W. W. BROWNRIDGE,

Milton C.P.R. Georgetown G.T.R. Ashgrove P. O. 0-10-21

THE SUNNY SIDE HEREFORDS ...FOR SALE-A choice herd of 10 helfer and 8 bulls, from 10 to 24 months old, a bargain prices; also a few cows with cal by side, and bred again, can be spared s-9:3

Μ.	H.	0'	NEII	
P 4				

Lucan Stn. CHAS. CURRIE, Morriston, Ont., of choice Tamworth Swine. St of challe.

JOS. FEATHERSTONE & SON, ville, Ont. Large Yorkshire h sale.

sale. SAMUEL CUDMORE, Hurondale, Ont., im-sand breeder of Dorset Sheep. E-10-15

