DAIRY

Dairying on the Farm

The subject for discussion this week is expressed in the question: Should cream be sent to a creamery either local or distant, or kept on the farm and be made into butter to be marketed wherever the price is best?

Several contributions on the subject are printed herewith, that of Mr. A. B. Dickson, Man., being awarded first prize and the article of R. J. S., Sask., being taken for second.

This question is one which can be answered in several different ways, the answer depending as much upon a man's circumstances as upon the merits of the method which he has found most remunerative in handling milk on the farm in summer. Mr. Dickson advises cheese factories in preference to creameries and cites his own locality as one in which a cheese factory is successfully operated, and more profitable important problems we have to solve when we keep to patrons than either home butter-making or the cows enough to make more milk and butter than is sending of cream to a cream to sending of cream to a creamery, either local or dis- required at home. To make the cream up into butter ter, but at the cheese prices prevailing for the past few years in the West, this commodity is undoubtedly from some patrons of creameries for comparison.

Advises Organizing Co-Operative Cheese Factory

deducting losses in manufacture every 100 pounds of creamery. milk will make about 4 pounds of butter. Now at the present time dairy butter is selling for no more than 18 cents per pound. Thus 100 pounds of milk open to a serious objection. In the first place where

be worth 77 cents per 100 pounds. Therefore a small load and in July and August it does the cream farmer gets 5 cents more per 100 pounds of milk by no good to haul it so far. shipping cream than by making butter on the farm. But against this extra 5 cents per 100 pounds there is most of our cows go dry. This is another serious the cost of hauling the cream three times a week to defect in the system of dairying as we practice it here. the station so that either system will produce the same If we are ever going to make money out of cows we result and by whichever method a man chooses to market his cream he will receive no more than 72 or have better facilities for collecting and shipping to the larger centres.

he would if he shipped it to the city, for the butter in some districts who make more of a speciality of made at the local creamery will sell for a lower price dairying, who probably have a system of caring for than that made in the city creameries and hence the cream and marketing the year around and from these proprietor can just about manage to pay the same I would like to hear price per pound of butterfat as the city creamery, owing to the fact that he has to pay no freight on the cream brought to his factory.

By far the best way of disposing of one's milk or cream in the summer is for a number of farmers to

Co-operate and build either a number of farmers to co-operate and build either a creamery or a cheese factory. If a creamery is built, each patron will take his milk there, where it will be tested, separated, and churned; he will receive back his share of skimeach patron will receive his share of the proceeds sult of my experience: Years ago the farmers of this after a certain sum has been deducted from each one district formed an association and with the help of the for the relative to the control of the for the relative to for the upkeep of the factory and for the cost of manufacture. Thus milk testing 3.6 per cent of butterfat fell. Before the creamery started we used to sell our will make 4 pounds of butter, which will sell at 23 cents home-made butter at the local stores at from seven 92 cents. From this must be deducted 2 cents per the summer, but as soon as the majority of the farm-pound for the cost of manufacture, etc., so that the ers began sending their cream to the creamery, the patron will receive 84 cents per 100 pounds of such stores could not get enough butter from the farmers duces economically. milk. And not only this but he will also receive to supply their town trade. In consequence, the price back some of the 8 cents deducted for expenses, of butter went up at the stores above what the

factory than by any other system previously mentioned. There is such a factory in this district and it is working very satisfactorily. Every 100 pounds of tion it soon "fizzled out." Those of us who patronized 1905 one herd averaged 5,374 lbs. milk, but in 1908 milk makes on an average through out the summer 10 the creamery as long as it was running kept the price the owner had brought all up to 7,240 lbs. milk per cow. pounds of cheese. The average price obtained last of butter up, so benefitting not only ourselves, but all One member in 1903 keeping 9 cows obtained only summer for the cheese was 12½ cents per pound. Thus it will be seen that 100 pounds of milk, if shipped

Since the local creamery closed we have shipped an average yield of 7,000 lbs. milk. Cash receipts the cheapest foods on which to raise pigs.

Before organizing a co-operative creamery or patrons will receive nearly \$1.00 per 100 pounds, but 1908, pasturage dried up considerably, consequently always be had. This is a figure which none of the the year 1907. Therefore a comparison of these two other systems can touch and one which may be ob- years is unduly in favor of the former. other systems can touch and one which may be tained any time between the beginning of May and the end of October. Therefore, I hold that shipping compares very favorably with the price received for the nome made to the end of October. Therefore, I hold that shipping from the creamery I must point out that it is not all the butter at home. There is the time and to get the highest returns from that milk

ALEC B. DICKSON.

Typical of a Large Class

EDITOR FARMER'S ADVOCATE

When you ask the question, "How is the best way to handle cream," you touch upon one of the most one of the most profitable one that milk can be manufactured into. We would like to have the returns from some patrons of creameries for comparison.

everything depends upon the train service and the our output when made at help that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station, that is, when the express rate at the local stores, and everyone knows that cash distance to the station at the local stores, and everyone knows that cash distance to the station at the local stores. district, living as we do six miles from the station, the best plan is to send the cream to the local cream-We milk six or eight cows, depending upon circum-

than 18 cents per pound. Thus 100 pounds of milk open to a serious objection. In the first place where is worth to the farmer making his own butter about farmers send so little to the creamery the proportion. ate expense of collecting it is too high and then it is Now the creameries in the large towns are at the only gathered every other day, which is not often present time paying about 22 cents per pound of butenough. With the small amount produced on each terfat. Thus milk testing 3.6 per cent butter fat and farm and the farms as far apart as they are here the allowing for a loss of .1 per cent in separating would collector has to drive from 30 to 40 miles to get a

In the winter the creamery closes up then we let

I have not outlined our system because I think it If the local creamery is a proprietory one, the one of the best, but because there are so many here farmer will receive about the same for his cream as doing as I have described. I believe there are men

Qu'Appelle District, Sask.

Editor Farmer's Advocate

In reply to your question whether cream should be sent to a creamery or churned at home and marketed milk and buttermilk. The butter will be sold and wherever the price is best, I would like to give the re per pound, hence every 100 pounds of milk is worth to ten cents per pound, during the warm weather in This, however, for two or three years will go towards paying for the factory and for interest on capital invested. The richer a patron's milk the better it is for him for it will make more butter and hence he will get proportionately higher returns.

On or three years will go towards creamery could pay. Many short-sighted farmers enabled to increase the yield of milk and fat per cow dropped out of the creamery and began making their considerably, because instead of contentedly saying butter at home again. The ruin of our creamery because instead of contentedly saying set proportionately higher returns.

The ruin of our creamery because instead of contentedly saying studied, and each member of the herd brought up to a shower that are the same of it. Our greamery held our good profit earning capacity. Herds that used to It will now be shown that more money can be obtained by shipping milk to a co-operative cheese scarcely more than paying its way, as long as the produce only 187 lbs. fat are now up to 220 lbs.; milk
factory than by any other system previously mentioned. There is such a factory in this district. to the management of the Grenfell Creamery Associa-

Thus it will be seen that 100 pounds of milk, if shipped to a cheese factory, has a value of 122½ cents. As our cream to the Qu'Appelle creamery in cans containing about 100 pounds, whenever we had sufficient cream to ship. The year 1907 was the last year we cents. This leaves a clear return of \$1.02½ cents for made all our butter at home. This was an exceptionally good year for dairying, as, owing to sides this each patron is entitled to 85 pounds of whey abundant rainfall, the pasturage was good all season, for every 100 pounds of milk brought by him to the and the price of butter was exceptionally high. We factory and this fed in moderate quantity is one of sold all our butter locally, averaging 21½ cents per cow in 1905, to \$76 in 1908.

Instances might be multiplied, these few indicates what it means to the real dairy farmer who seeks in provement. Time spent in weighing and sampling is factory and this fed in moderate quantity is one of sold all our butter locally, averaging 21½ cents per cow in 1905, to \$76 in 1908.

Instances might be multiplied, these few indicates what it means to the real dairy farmer who seeks in provement. Time spent in weighing and sampling is well spent; definite knowledge is obtained. pound for the six months from June 1 to Dec. 1.

During 1908, we sent our cream to the Qu'Appelle cheese factory it must be ascertained that enough creamery. The season dated from April 29 to Oct. milk will be brought to the factory, for it costs 31, six months, we may say. We received in cash for (with cheese making) practically no more to handle butter made from our cream an average of 213 cents 3500 pounds of milk than it does to handle 2000 per pound. This, of course, was clear of all expense, pounds; the larger amount, however, brings in a unless we count it an expense to deliver the cans at the much larger profit to the factory for it takes nearly station once a week. Farmers, as a rule, go to town 1500 pounds of milk before there is any profit at all, at least once a week anyway, so we do not count it, aithough even with this small amount of milk the Owing to the excessive drouth during July and August with over 2000 pounds the sum of \$1.02\frac{1}{2} cents can the cows fell off in their milk much earlier than during

> profit to make butter at home. There is the time and trouble of making it. This, I may say, is no small item if the output runs to 40 or 50 or more pounds per week. Generally, the all-enduring "women folks" do it for nothing, but we find it more satisfactory to pay the creamery 4 cents per pound for making the butter. This includes cost of butter boxes or tubs, and salt, which should be deducted from the price received fo the home-made butter. Instead of 211 cents it would be nearer the mark to say 20 cents clear

Where one has every convenience for making butter Others might not agree with him in the mat-at home where there is very seldom a cold room to at home it is perhaps possible to do it for a little less that the cheese prices prevailing for the past work in is not a very inviting prospect and when it than 4 cents per pound but the average farmer will comes to sending the cream to a central factory not effect any great saving. Then again, the most of everything depends upon the train service and the our output when made at home has to be "traded"

"trade. making, every convenience for making and handling stances, use what milk, cream and butter we require the butter, and a ready cash market for their product, for a family of five, set the milk in a deep can in would do better by sending their cream, in as clear Most milk at this time of year is testing about 3.5 or 3.6 per cent of butterfat. This means that after deducting losses in manufacture every 100 pounds of constraints. again this season.

JOHN HUBBARD.

New Idea in Milk Cans

To prevent dealers from adulterating the milk received from producers before it is retailed to consumers in the city, a can has recently been devised, that is said to effectually prevent the intro-duction of anything after the can is once sealed up.

It is a can with a hermetical seal and an apparatus for drawing off the contents in composite samples of uniform quality by means of pserilized compressed Its avowed purpose is "to tevent adulteration and contamination of the contents during transporta-

The can will be filled, sealed, and locked at the dairy where the milk is produced, and will not be unlocked or opened until its return to the same dairy for cleaning and sterilization. The fittings, provided to permit removal of the contents of the can at the places of sale, are light brass piping tinned inside and outside. There are check valves that prevent removal of the contents except at the proper exit, and that prevent adding liquid or other materials to the can ahead of its return to the dairy. If, for instance, water is forced in, the can will refuse to work. It is emptied without opening. Sterilized air under moderate pressure forces out the milk when it is needed. And the application of this air gives a thorough mixture of the milk before any sample is drawn, so that the samples in each part of the can are of uniform quality.

Cow Progress

The records of the cow testing associations show a large increase in the number of cows whose production, both as regards weight of milk and butterfat, is being noted regularly. It is no wonder that the plan appeals to the progressive dairymen of Canada, because record work must mean substantial improve-

Since commencing records many farmers have been 1905 one herd averaged 5,374 lbs. milk, but in 1908

POII

Hawk-P1

EDITOR FARMER'S ADVOCA Last year I hatched out incubator but the hawks to swooping down and killing full feathered. There are only shelter the chickens h coops and the wood pile hawks but for every one come to the funeral. I inte this year but am not amb them.

2. I would like to take emption this summer but time to hunt for same pe good enough to tell me v selection with only a few water not over 20 miles fr wood.

When hawks become ser on the poultry yards and w of keeping them away fai not prevent their depredati of frightening them off a poultryman wishes to cont only thing left is to raise t This increases the cost of 1 and where large numbers a impractical, but for a farm struct coops that will be pr hawks, cats, crows, etc., little additional cost of p coop will do that prevents entrance. Stakes may be form a run for the chicks, a sides and covering. Or if convenient form of coop is will be found satisfactory.





BILL OF STOCK I inches 5 feet long; 11 pieces 5 pieces 2-inch furring 51 1 8 good sized staples; 2 piece mesh) 18 inches wide, 12 fe netting (1-inch mesh) 18 i I piece wire netting (2-incl

feet long.

Take four of the twelve f 2-foot pieces, and make two Then make two Figure 1. Figure 2. Now take the h and drill and countersink a: Figure 4. The house for nights is shown, rear view, i cut. It is made of $\frac{1}{8}$ or $\frac{1}{2}$ in 2 feet square. Then take three for the walls. Nail the bott roof on, being sure not to get floor of coop to peak of roc few inches from one end, pu dicularly. This is to attach

of the coop so that it can be li Now take the hook clasps of Figure 2, letting them pro the staples that are to be do Figure 1. After hooking the gether put a board on the fro just fill the opening, hanging top, so that when raised it wi a stick 21 to 3 feet long to th to project through the nettin This is to open and close pieces of furring across the end, one at the centre, and space, and nail lightly. over, and fasten with staple the season when you want to off top netting with the stick the corners, take off house, sides on the ground, cleats the cleats, put other side a few nails where they will ho and the whole thing can be pu