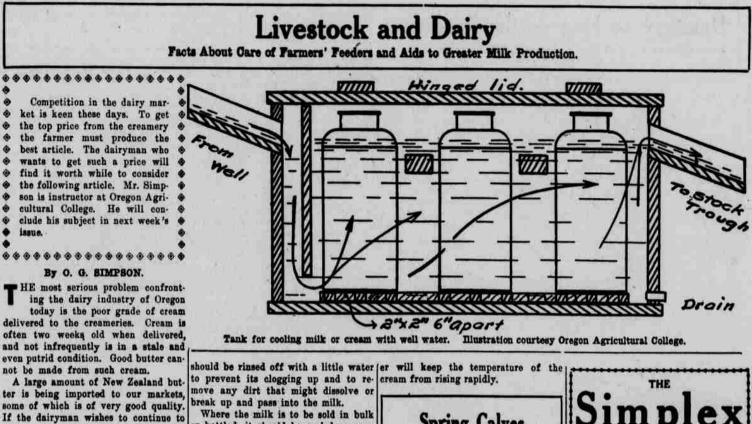
HOME AND FARM MAGAZINE SECTION



If the dairyman wishes to continue to receive the good price for butter fat that he has enjoyed in the past, he must deliver better cream to the creamery. The creamery will then be enabled to make a quality of butter much better than it is possible to import, since it requires from 60 to 90 days to put New Zealand butter on this market.

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It is not necessary for the dairyman to purchase a lot of expensive equip-ment or hire additional labor in order to produce a high quality in cream or milk.

#### Care of Cow.

The care of milk really begins with the care that the cow receives. Cows that are in the best of health, surrounded by the best conditions, and receiving good feed, produce the best flavored milk. Strong flavored feeds, flavored milk. Strong flavored feeds, such as kale and turnips, if consumed by the cow shortly before milking, will produce the same flavor in the milk. If fed a number of hours before milking, preferably immediately after milking, the flavors will probably be passed off by the cow. The condition of the cow will largely influence the amount of dirt and bacteria in the milk. When the cower of the same under are covered the cow's flanks and udder are covered with manure and dirt, some of it will fall into the milk pail.

Dusty and poorly ventilated stables cause a large percentage of the dust and bacteria in the milk, because the stable air becomes filled with dust and bacteria which fall into the milk pail. The same objection is to be made to feeding dusty feed, while milking, or oven shortly before milking.

#### **Open Air Ideal**

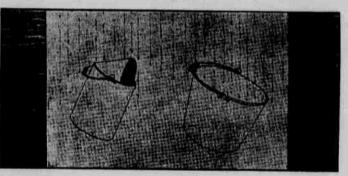
The ideal condition for the milking of a cow would be in an open field with a moist, clear air; the cow, of course, to be clean and healthy. This condition can be approached by having a clean stable, free from dust and by moistening the hair on the udder and tioned. A rich cream has better keeping flanks with a clean, moist cloth. This qualities than a thin cream. Butterfat serves to make the hairs stick to one another and to retain the dust. The practice of wetting the hands with milk food from the skim milk present in the is better than clear clover or alfalfa.

or bottled, it should be cooled as soon as possible after being drawn. There are several ways of cooling milk. The most common is to set the cans in a trough or barrel of cold water. Better results are obtained by having a continuous flow of water. While cooling, the milk should be kept well stirred in order to cause a more rapid cooling. Milk is a poor conductor of heat, and unless stirred occasionally, the milk near the center of the can will stay warm for some time after that near the sides are cooled. There are a number of de-

# Spring Calves

S PECIAL care must be taken with spring dairy calves or they will not develop properly. The fall calf does not have to fight the flies nor is it turned into pasture to shift for itself like the spring calf. The cow should freshen in a box stall

and the calf should remain with her for the first two or three days so as to be more certain of obtaining the colostrum milk. Until it is three weeks vices on the market for cooling milk old, the calf should be given the moth-and cream. Most of them use running er's milk three times a day at the rate er's milk three times a day at the rate and cream. Most of them use funking of smith three times a day at the fate water which flows through the inside of three to five pounds per feed. The while the milk flows down over the out-side surface. These contrivances pro-duce rapid cooling, but use several times as much water as the volume of milk. ing utensils scrupuously clean.



Relative amount of exposure to contamination with covered and open milk pail.

In selecting a cooler of this type, do not | forget to look for ease of cleaning.

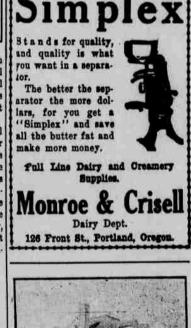
#### Separate Before Cooling.

If the cream alone is to be sold, the separating should be done before cooling down the milk, and the cream coded immediately by one of the methods menqualities than a thin cream. Butterfat tive disorders may result. Until the does not furnish food for bacteria. The bacteria that grow in cream derive their cannot be too strongly condemned. If anything is necessary to soften the teats, a little vaseline may be used. The with shuld be drawed with mine both the source is in the source of th

but skimmed milk may be substituted at the end of the fourth, depending upon the condition and value of the calf.

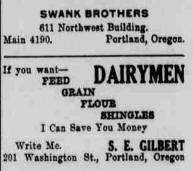
Calves should not be fed roughage less it is given in small amounts, digescalf is two months old, fine mixed hay, which has less tendency to cause scours,

should be drawn into small is less food for bacteria. Stirring cream after the calf is two weeks old; good mixture is five parts of whole oats, three parts bran, one part corn meal, and one part oil meal. It should be given dry in order to compel thorough mastication. When fed in this manner, immediately after the milk, it also approximately 50 per cent. Such pails to the same temperature. If one lot helps to prevent ear sucking. It is not advisable to turn young calves onto pasture, as grass is very laxative. The barn is more even in The cream containers should be kept covered after the cream has been cooled. temperature, also cooler, and if kept When exposed to the air, cream forms a clean and dry, much more suitable for leathery layer over the top, and unless the development of the calf.





WANTED-FARM LAND We have city property to exchange for farm lands. Tell us what you have, It is often advisable to feed whole without land. Will exchange western milk until the end of the fifth week, land for eastern land or city property.



The milk top ails. Pails with small openings in twice daily, if kept any length of time the tops reduce the amount of exposure before churning or shipping, will preto the atmosphere, as may be seen by vent a hard layer forming at the top the accompanying sketch. Experiments and the skim milk settling at the bot-have shown that the use of the small tom. Before two lots of milk or cream top pail reduces the bacterial content are to be mixed, both should be cooled are not expensive. It is also well to is warmer than the other, rapid souring examine them when purchasing, to see will likely be the result. that there are no crevices or unsoldered places to retain milk particles. Some milkers may find the small top pail a little awkward at first, but will soon find that all of the objections disappear.

#### Remove Milk Soon.

The milk should be removed from the than three times a week in summer and stable as soon as possible after being twice a week in winter. Even though drawn. If it remains long in the stable, kept under the very best conditions, it is likely to take up stable odors.

in very clean air and surroundings, it may also become contaminated with dust. Deliver the cream often, not less

Our prices about half other dealers. We it will develop staleness if kept too pay highest price for second-hand regis-Straining is done to remove dirt and long. If the can is to be hauled any ters. We do expert repairing and guar-occasional hairs, but it does not reduce distance in the sun, cover it with a blan the bacterial contant of the milk. If ket or burlap, saturated with water. your requirements SUNDWALL CO., 805 the milking period is long, the strainer The moisture evaporating from the cov. 2nd avenue, Seattle. Phone Main 1180.

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