# Skim Milk Valuable By-Product

a feed for stock.

Skim milk is distinctively a byproduct on most farms, the central
idea being to produce milk for its
butter-fat. Large factories and packing-bouses have shown the world
that a by-product may be made more
confinable than the original or main prefitable than the original or main

At one time kerosene was the chief At one time kerosene was the chief creation of oil refineries, gasoline being a cheap and little-used by product. Today the situation is re-resed, gasoline being the popular and high-priced output, while kerosene is a drug on the market. In an age of intense competition every scrap was formerly wasted or upperformer. that was formerly wasted or unprof-liable must be made to do its full duty as an income producer. There are farms where even akim

milk is made a more profitable source of income than butter. Thus in a hundred pounds of ordinary whole milk there are approximately four pounds of butter, four pounds of milk sugar and four pounds of casein. The butter has an average farm value of less than \$1.20 at current prices. The skim milk (including the buttermilk) will weigh about 96 pounds after the butter is removed. This is sometimes made into an excellent human food known as "yogurt" or "Bulgarian soured milk." It is the same chemically as buttermilk, both mik is made a more profitable source same chemically as buttermilk, both being fat-free milk, and both are soured and emulsified by churning to give it smoothness of texture.

Artificial Buttermilk.

This article brings from 5 to 40 cents a quart, depending upon the cents a quart, depending upon the quality and market. The writer paid the latter price in Chicago for some bottled "Metchnikoff"—a superior sticle made by adding a pure culture to pasteurized milk—just to see what it is like. It is the height to see what it is like. It is the height

enjoy buttermilk.

A fair article of this "artificial buttermilk" should bring at least 5 ents a quart at retail and 15 cents a gallon wholesale. Hotels, restaurants, drug stores, etc., are usually glad to get it regularly, but it must have quality. At 15 cents a gallon the 96 pounds would bring \$1.80 or 50 per cent more than the butter. It is generally estimated that skim.

It is generally estimated that skim mik as animal feed is worth 1 to 2 cents a gallon compared with corn and other grains. It is not only reliable by swine of all ages, calves, chickens and other pouliry, but it has

Skim Milk is an excellent food protein to make growth in young animals that will drink it. It is better for humans than it. It is better for humans than it is well to distribute the supply among all members of the barnyard fraternity as a kind of appetizer or medicinal tonic. This helps to take the curse from an exclusive corn or other fat-making ration.

Worth More Than Butter.

Land is steadily rising in value; cows are higher priced; feed is worth more than formerly, and all the expenses of conducting the cow department are heavier; but the butter quotations do not keep pace with them. Therefore it is more than probable that skim milk, sweet or soured, according to the "yogurt" formula, will increase as a human food. If such a product will bring but 5 cents a gallon at wholesale, it is still more profitable to dispose of it at that figure and buy cheaper feeds for live-stock. In a hundred pounds of skim milk (12 gallons) there are only eight pounds of solids and 92 pounds of water. The eight pounds of solids would be cheaper in the form of ground grains, tankage or other condensed feeds. The 12 gallons should easily be worth 50 to 75 cents if properly cared for and introduced by advertising or personal solicitation to city and townspeople, who would welcome it at a fair price.

Thus what was once regarded as almost a waste product and at best thrown out larieship to the signess. Therefore it is more than probable

Thus what was once regarded as almost a waste product and at best thrown out lavishly to the pigs can be turned into an article of sale worth more than the butter from the same amount of milk. It offers an attractive field to the farmer or the farmer's wife who is willing to learn how to make the fancy brand of buttermilk that "makes you live to be a bundred," and who will develop a special trade for it.—H. A. Bereman in Successful Farming.

Short.

Roger W. Babson, a business statthe latter price in Chicago for some bottled "Metchnikoff"—a superior sticle made by adding a pure culture to pasteurized milk—just to see what it is like. It is the height of elegance and flavor for those who enjoy buttermilk.

A fair article of this "artificial honesty as Stubbs was short on stature.

stature.

"Stubbs, a lawyer, was pleading in a strange court, and so short was he that when he began his opening speech the judge said to him:

"Stand up, please, Mr. Stubbs."
"I am standing up, Your Honor."
"Then stand on a chair."

"'Your Honor, I am standing on a sair," "-New York Tribune. chair.'

It is reported that there is a big market in Hawaii for box shooks for packing canned pineapple and pine-



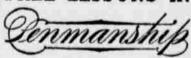
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