

In my own herd, the usual grain ration for each animal in full milk varies from 7 to 10 lbs. per cow, each day. This is composed of ground oats, ground peas, wheat-bran, and, occasionally, a very little oil meal. The ration is divided into two feeds, and given night and morning, upon the ensilage. Should the silo be empty, the grain is always fed upon hay that has been cut and moistened.

The quantity of ensilage fed is 30 to 40 lbs. a day.

At noon, my cattle get a very small feed of cut carrots or mangels, and any further supply of food required consists of bright, early cured long hay, put in their mangers. They get all the salt they need, all the water they want twice a day, and each cow is well carded and brushed over every day. Whenever weather permits, they are turned out for a short time, about noon, but are never left out till cold and tired. And the barns are thoroughly cleaned out, twice a day.

With this feed and care, I have two year old heifers making from 12 to 14 lbs. butter a week, and mature cows making from 16 to 19 lbs. a week.

To a very uncommon cow I feed a larger ration. My famous old "Massena" ate more than the quantity I have just mentioned, but what was her yield?

Being in her sixteenth year, when I tested her, she gave in 11 months and 9 days 8,290½ lbs. milk, which churned 654 lbs. three-fourths oz. of magnificent butter, and then dropped a fine heifer calf. With her previous owner when she was younger she is credited with 900 lbs. butter in a year, and her record is accepted by everyone.

Some people say that this large butter yield wears a cow out. Well, it has not worn "Massena" out, for she is hale and hearty and as bright as a dollar, and due to calf again next April, when 17 years old.

Some cows will respond far more readily than others. In my little book lately printed, "Dairying for Profit," I have given a year's feeding of a cow I once owned. The ration was very large, but then she was an exceptional cow, and her yield was very large, so that she gave me an actual cash profit for butter alone of \$49.70 in the year, over and above her keep. As you will see by reference to my book, I made no charge against her for actual attendance or barn room. But, on the other hand, I gave her no credit for the quantity of skim milk and butter milk, for the large pile of manure, and for the fine heifer