

following table gives the whole transaction:

Total earnings of cows	\$250.04
Skimmilk, 17,956 lbs. 20c cwt.	35.91
Milk feed	\$ 49.77
Hay	59.49
Pasture	9.00
Salt	2.09
Hauling milk	11.22
Net over cost	163.47

The net profit of \$163.47 makes an average profit of \$40.87 per cow, net over cost of feed, and represents the return for his labor. Three calves were raised but no mention is made of them in the account.

Another item of interest in his year's work is that a flock of forty hens earned a total of between \$70.00 and \$75.00.

The dairy potency of old Dinah is shown by the fact that, no difference what she was bred to, her daughters were good dairy cows.

The above report shows what can be done under trying circumstances.

Origin and Growth of "Minnewawa."

Some months ago this journal had the pleasure of announcing to the dairy world that Miss Minna de Witt Eshelman, the "Squire Kate" of the San Joaquin valley in California and proprietress of the model farm "Minnewawa," five miles from Fresno, had been married to Dr. Walter N. Sherman, of Merced, Cal. The story of the beginning and the rise of the business conducted by Mrs. Sherman is an interesting one. It is told in detail by a correspondent of the Holstein-Friesian Register, from which the following extracts are made:

A little more than a dozen years ago Mrs. Sherman's father, a successful physician of Philadelphia, decided to retire from active practice and came to California to live. About this time, because his young daughter had a general interest in all things, he gave her a sum of money to handle. She looked around and was converted to the belief that an investment in accessible lands was a good one, so she bought her first 250 acres. Upon this land there was a house and some grain. She never had thought of the place as a home, but intended to hold it and sell it when a favorable opportunity came. Dr. Eshelman decided to make a short stay at the ranch "just to look around," and was so much better there that the family decided to remain while "father felt comfortable." Then the generous homekeeping was inaugurated, as it had been in Philadelphia, and all went well, but it was impossible to get good butter, so she decided to buy a cow and learn to make it. With the idea that the best cow she could get would be the one she wanted, she made her purchase and her venture of home consumption was a complete success. Then there was another invalid in the neighborhood who was accommodated with butter, and then some one else wanted it, because Mrs. Sherman could make the best butter and yet feed her cow on alfalfa. Then there was another call, and another that could not be met with refusal, and so at first, little by little, and then in big jumps, grew the creamery, which is now known in every state in the Union, although there is not a pound of the butter to be had in open market. Over and over again she has been importuned by large dairymen of the San Joaquin country to consolidate her interests with theirs, but she has persistently refused.

"As it is," she says, "I can vouch for every pound of the butter and every head of stock. Working with others, I could not."

Mrs. Sherman is just the sort of cheery, honest, capable young woman whom no man would resent in any business. While she has the health and the determination to do all things well, there is never an aggressive look or tone. She meets all questions and issues in a spirit of entire fairness. Uncompromisingly she plans her own life-

work, but goes to no end of trouble to conduct scientific investigations for the benefit of all. She is, in truth, an adjunct to the University of California. For Professor E. J. Wickson and Professor M. E. Jaffa she has made all sorts of experiments in handling different kinds of fodder. She has kept records and collected statistics which are invaluable, and the papers she has written for the Farmers' Institute of the San Joaquin valley and the Farmers' Club of Fresno are among the best contributions to that most practical literature. She has been asked to serve on the state dairy board, but has refused, contending that she has not a moment of any day left for other responsibilities. She is a splendid economist of time, but the days would need to be twice as long to do all the things that claim her attention. Besides a rare mental equipment Mrs. Sherman is blessed with a bright, pretty face and a winsome, gracious personality. The farmers, dairymen and orchardists gladly defer to her and put her in executive positions in their gatherings.

Up to the time she successfully made butter on alfalfa feed there was despair in the San Joaquin as well as elsewhere. It was thought impossible to make marketable butter with this cheapest and most easily raised fodder. She soon made the discovery that there would be no trouble with the feed if the stables and cows were kept absolutely clean. On a small scale she carried out her ideas as to the conditions that should surround a cow, and when she enlarged the cowhouse to accommodate from 150 to 200 cows she had it built with concrete floors and gutters, and every convenience for keeping it absolutely clean. Upon the floor gypsum is sprinkled, and, to use her own words:

"It is not the odor of the alfalfa that gets into the milk, but that of the unsanitary condition of the cow and her surroundings."

With the same care and up to the same standard every department of the dairy has been conducted. Trials with different breeds of stock have shown Mrs. Sherman that for her place and purposes the Holstein-Friesian was the best. Early in her work she secured the registered Holstein, "Lady Kathleen," the cow which has broken all records and has a credit of 629 pounds of butter a month. This animal is priceless. All sorts of offers have been made for her by dairymen, but nothing could induce Mrs. Sherman to part with her. She is as well known among dairymen as a record-breaking horse is on the track.

There are now in the registered herd 150 head. At birth each calf is marked with a metal tag. A full description of all the markings is taken, and, now photographs of each are to be added to the herd book. If the tag of one of these finely bred animals is lost and the description leaves the slightest doubt, the animal is thrown out into the "registered high class" herd. Dairymen buy stock from the registered herd as soon as they are born, but Mrs. Sherman holds them for two years, and will not let them out unless she is perfectly satisfied. To prevent their injuring each other, these animals are dehorned, the females while they are very young, the males at two years. This makes them tractable and in every way much easier to handle. "Lady Kathleen" is the only one in the herd with horns, and hers turn in on her forehead like curls.

Around the dairy the silos dot the landscape like Dutch windmills. There are seven of them, each thirty-two feet high and possessing a capacity of 380 tons.—In them is stored the corn fodder—ears, stalks, leaves, tassels and all. It cooks itself and keeps indefinitely. At the end of five years it would come out soft, warm and green. There is no feed the stock loves so well as silage—not even the good grains of which they have plenty. At Minnewawa the cows are fed until they are "full to bustin'," like the pickaninny

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