

black and white cow: in No. 3 that from a red cow, and in No. 4 the milk of a Jersey cow. Place these bottles in a cold room or refrigerator and let them stand over night. The next day you will find each bottle contains a layer of cream on top of the bluish-white milk. Now, what is the difference in these milks in the amounts of cream they contain? Measure them and find out how much is cream and how much is milk in each bottle. This will show you how much milks differ in the amounts of cream they contain. It will also show you that it requires very careful skimming to get all the cream from the milk. If you have no such cows as the above to make an experiment with, then select three cows from among those that you do have at home, with which to make an experiment. They will do. Then report on the results.

If this cream we have been considering is placed in a churn and dashed and swished about, the little particles of fat begin to hit together and stick to each other, so that if the conditions are right, in a little while they unite to form small pieces of butter about the size of a mustard seed or perhaps a grain of wheat. Then the fat or butter becomes visible to the eye, floating in the white buttermilk. This fat may then be taken from the milk and worked up into lumps, such as is sold in the stores.

Now, we wish to find out why one person makes good butter and another person poor butter.

Milk is the parent of butter. It is an interesting liquid, and is peculiar in that it absorbs or takes up bad odors. To illustrate this, get some fresh, warm milk and place in a box or room containing, say, cabbages or onions, and let it stand there an hour or so. Then place it in a clean, sweet-smelling room and leave it till the following day. When you next examine it, smell and taste of it, and report upon its odor or flavor. Does it taste like the milk you are accustomed to? After being in the sweet room, does it lose the bad odor? No doubt you will have an interesting report to make, but it will surely also interest you and your schoolmates if you will try another experiment. At noon, if your father will consent, feed a cow a small amount of strong-smelling vegetables, such as cabbage, turnips or onions. At night, after she is milked, drink some of the milk and try its flavor. Also let some of it stand until it becomes cool, and then taste. Do you notice anything peculiar? You will be quite sure to, for such strong-smelling vegetables, when eaten by a cow a few hours before milking, will taint the milk. This will show you how sensitive milk is to odors, and that it will even absorb them before it is drawn from the cow. So we must be careful where we place milk, in order to keep it pure and sweet. We must also keep it in very clean, nice pans or cans, and the cow must be fed the sweetest and best of foods.

(To be Continued.)



Trust the Children.

Trust the children. Never doubt them;
Build a wall of love about them.
After sowing seeds of duty,
Trust them for the flowers of beauty.

Trust the children. Don't suspect them;
Let your confidence direct them
At the hearth or in the wildwood,
Meet them on the plains of childhood.

Trust the little ones. Remember
May is not like chill December;
Let no words of rage or madness
Check their happy notes of gladness.

Trust the little ones. You guide them,
And, above all, ne'er deride them.
Should they trip, or should they blunder,
Lest you snap love's cords asunder.

Trust the children. Let them treasure
Mother's faith in boundless measure,
Father's love in them conning,
Then no secrets they'll be hiding.

Trust the children just as He did
Who for "such" once sweetly pleaded,
Trust and guide, but never doubt them,
Build a wall of love about them.

1898 MAY 1898							
Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31	1st Sun 1898	2nd Sun 1898	3rd Sun 1898	4th Sun 1898	

1898 JUNE 1898							
Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	
1 (4th Sun 1898)	2 (1st Mon 1898)	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	1st Sun 1898	2nd Sun 1898	3rd Sun 1898	4th Sun 1898	5th Sun 1898	