

## Facts for dairymen

By Alan Bair  
Assoc. County Agent  
Lancaster, Pa.

This morning Andy Martin was in my office, and I made the mistake of asking him what some of his current problems are. Next to the fact that he couldn't keep his hair combed with all the wind we have been having, one of the basic problems he has to deal with is low quality milk as a result of dirty long-haired cows. As a dairy sanitarian for a large cooperative, Andy knows that long hair on udders and flanks is not only against the rules, but makes the production of high quality milk very difficult.

Clipping cows goes beyond just keeping your "milk inspector" happy. The length of hair on the udder, tail, flanks and topline can also greatly influence the amount of mastitis and other

herd health problems that you can experience.

No, I have not come up with a new form of "long hair" mastitis. But consider what happens when you try to wash an udder with a lot of long hair on it. To get the udder clean and stimulated you must wash it. To wash the udder obviously you must get it wet. Therein lies the problem.

Attaching milking machines to wet udders is asking for mastitis problems. Not only will you get more machine damage to the udder, but when the teat cup is removed, a drop of bacteria laden water collects on the end of a wide open teat - Bingo, coliform mastitis. I think you will

agree, well clipped udders are easier to wash and dry.

Clipping can also go a long way towards controlling other winter health problems such as lice and barn itch. These very little critters can cost you a lot of milk because they generally weaken the cow and make her uncomfortable. Our local veterinarians tell me that each winter they treat numerous cows for udder injuries that were sustained when the cows were violently scratching against some piece of equipment. Clipping cows will help you control these diseases.

Neatly clipped clean cows have one other advantage over their long haired dirty sisters - they are more

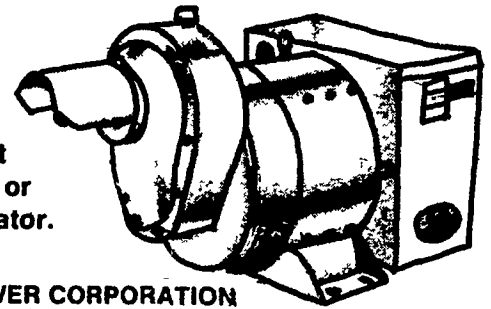
pleasant to work with. As a dairyman, you better like to work with cows. Your at-

titude is still the biggest influence on milk quality and herd health. Make your

cows, the milk sanitarian, and yourself happy - clip a cow today.

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## Lancaster County DHIA

(Continued from Page 111)

Vernon R. Umble & Son						
R&GrH	27	68.0	80.9	41.9	4.2	1.78
Jacob S. Stoltzfus						
GrH	28	30.0	87.0	52.6	3.4	1.78
Marvin Reed						
R&GrH	30	29.9	88.4	46.9	3.8	1.78
John U. Stoltzfus						
R&GrH	21	34.5	83.0	48.1	3.7	1.77
M. Irvin Eberly						
R&GrH	28	32.7	86.1	43.7	4.1	1.77
Ivan Bowman Jr.						
R&GrH	31	31.1	94.2	46.4	3.8	1.77
William P. Arrowsmith						
Mix	22	60.2	86.7	34.1	5.2	1.77
James G. Kreider						
R&GrH	36	146.1	92.2	45.8	3.8	1.76
Nelson H. Hershey						
RH	31	36.5	91.9	43.8	4.0	1.76
Nathan E. Stoltzfus						
RH	65	61.2	84.9	42.4	4.2	1.76
Emanuel L. King						
R&GrH	32	41.0	90.0	47.5	3.7	1.76
Melvin R. Eby						
RH	35	54.4	86.7	48.9	3.6	1.75
Alvin M. Martin						
R&GrH	31	45.0	84.9	42.7	4.1	1.75

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#### HERE'S HOW IT WORKS:

Rather than using noisy, dust-creating fans with fragile, dirt collecting air-cooled condensers, the refrigerant is routed to a specially designed condenser/heat exchanger and its heat is transferred to the water

A thermostatically controlled valve delivers 145° F water to a storage tank.

In addition to the thermostatic valve, a mixing valve is provided to permit "prepping" temperature water

Thus, the Fre-Heater delivers two temperatures of water — prepping and washing.

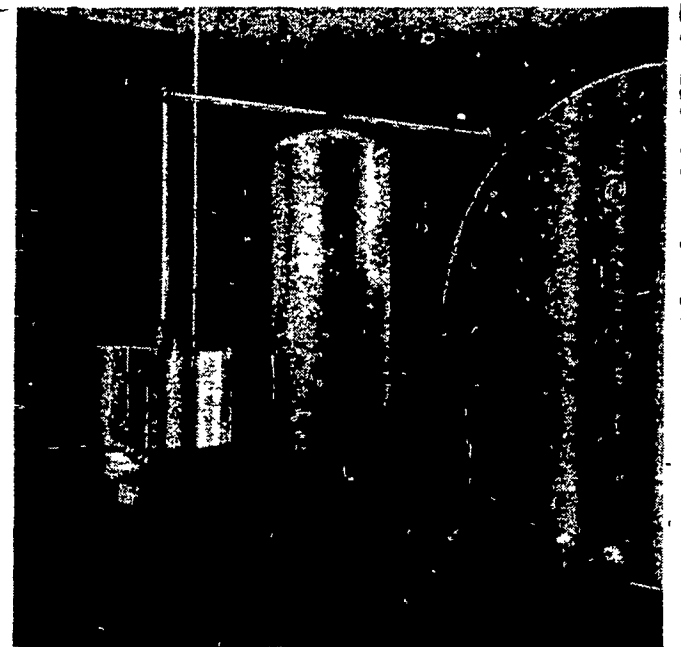
Tests indicate the Fre-Heater consumes 10% less power than an air-cooled system . . . and you get Free Hot Water!

#### ELIMINATES REFRIGERATION SERVICE PROBLEMS!

The most common causes of slow cooling in bulk milk cooling systems are related to the air-cooled condenser

The Fre-Heater eliminates these problems because:

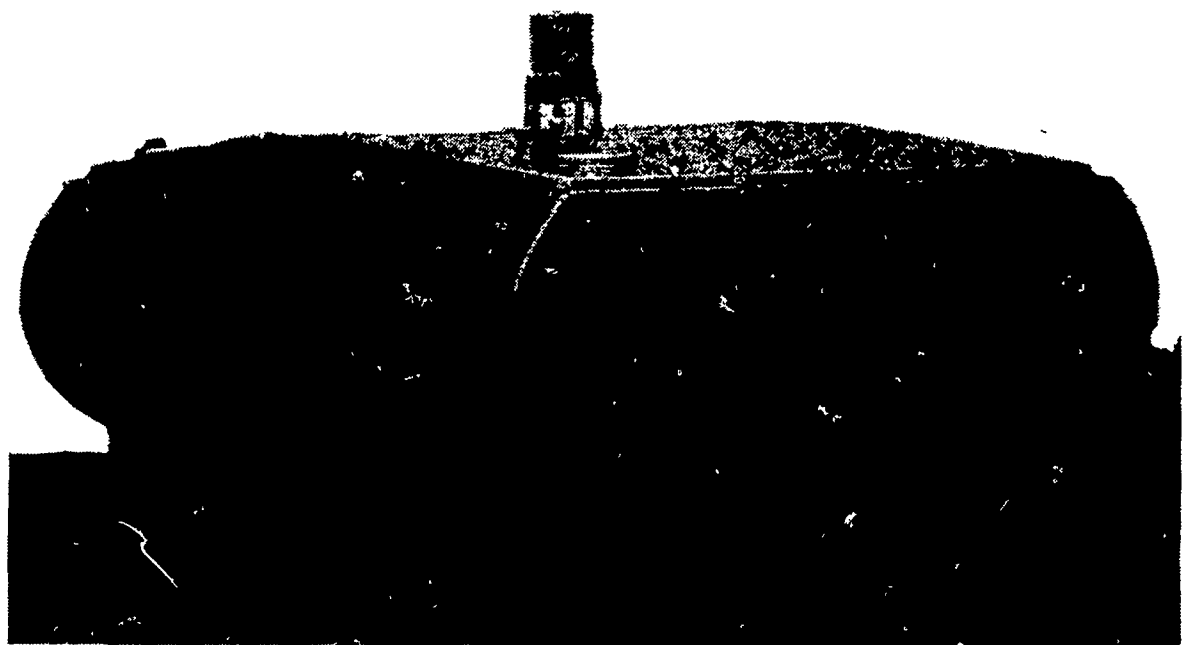
- There is no air-cooled condenser.
- The Fre-Heater is installed indoors.
- There are no noisy fans to fail.
- The head pressure is very stable — assuring longer compressor life.
- There are no cold weather starting problems, plus . . . the Fre-Heater conserves energy and produces Free Hot Water!



#### HOW MUCH WATER CAN BE GENERATED?

There are many variables, so this question cannot be answered directly, however, a rule of thumb is that a Fre-Heater operating on 60° F. well water will produce a volume of 145° F. water similar to the amount of milk produced during a milking

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