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### CALF REARING

The Holstein-Friesian Association of the United States sends out some suggestions on calf rearing and the care of the dam about gestation period.

They state if strong, healthy calves are expected, the cows must be well fed and cared for; for if a cow be so scantily fed, either at pasture or in the stable, that in her generosity to you she has to turn needed fat and flesh into milk, growing so thin that her hips and ribs are the most prominent features in her make-up, how can you expect her to give you a strong calf? Remember that the calf well born is half reared. Try to be always with your cows during parturition, ready, if necessary, to assist at the proper time; as you will find this extra care the cheapest sort of insurance against loss. Give the cow a well bedded stall, and see that all is dry and clean.

Some breeders remove the calf to its pen as soon as born; but I consider it better for both cow and calf to leave the calf with the cow for 36 to 48 hours, as the cow will be contented at the time when she needs to be quiet, and the calf will suck little and often and so get its digestive organs properly working. These organs of the newborn calf are very delicate, and very subject to disorders if the milk fed be not right in quality, quantity and temperature, or if harmful germs are introduced into the stomach and intestines by feeding from unclean pails. The calf pens should be well lighted and ventilated, be reasonably warm and be kept clean and dry. For the first two or three weeks, the calf should receive only its dam's milk; and it should be fed not less than three times per day with milk warm from the cow. A good Holstein-Friesian cow or heifer will need milking at 5.00 a. m., 1.00 p. m. and 8.30 p. m.; and if the baby calf be fed two quarts at each milking, it is likely to be enough.

By the time the calf is three weeks old, it will be able to dispose of five pints at each of the three feeds; and after it reaches four weeks, it may be fed but twice a day the new milk gradually being replaced with skim milk, till at six weeks the calf is taking four to five quarts of skim milk twice per day. From the time one begins to use skim milk, till the calf is two months old the thermometer should be used so as to be sure the milk is above 90 degrees, but after that age, the hand is a sufficient guide. At about four weeks, the calf will begin to chew bits of hay; and if a little wheat middlings is placed in its mouth after feeding it will quickly learn to eat ground feed. Up to about twelve weeks old the calf should have ground oats or wheat middlings, as well as bright clover hay, before it at all times, all being kept sweet and fresh; and after three months it should have its grain feed as regularly as the cows. While it is better to feed skim milk if one can till a calf is 20 weeks old, warmed water should be offered every day after about the tenth week; but one should be careful that at first the calf does not take it for a new kind of milk, and load up too heavily with it.

### PERCHERON REGISTRATION IN UNITED STATES

At the annual meeting of the Percheron Society of America the president, H. G. McMillan, delivered a comprehensive address in which he reviewed fully the whole question of Percheron registry in the United States and established the claim of the Percheron society as the only registration organization worth consideration by breeders of the Percheron horse. From President McMillan's address, the excerpts are taken, which bring down to the present the status of the registration organizations doing business in the country.

The first Percheron society ever organized was organized in the United States in 1876. The original Percheron stud books were turned over to this society. The name given to these stud books was the "Percheron-Norman." In 1883 the Percheron Society of France was organized.

An attempt was made, after the establishment of the Percheron Stud Book of France, in 1883, to have the horses that had been imported prior to that date, and subsequent to the date of the organization of the society in the

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