

Live Stock and Dairy.

CEMENT FLOORS IN STABLES.

Cement floors for stables are quite popular and strongly recommended by dairymen everywhere. The old objection that they were hard, and very cold for cows to lie upon, now has no weight, as all dairymen now bed their cows liberally and use plenty of absorbents, so that the cow practically does not come in contact with the floor. If the cement is genuine and is well put down, it will last for years, being practically indestructible. It should not crack or scale, and even the corners should not break off with any reasonable usage.

The foundation should be well graded and a depression made for the gutter. If the ground is naturally firm and dry, it will not be necessary to put down a concrete foundation, putting the first layer of cement on the earth itself. If wet and yielding, put down a layer of broken stone, filling in the spaces with thin cement. For this, and the next layer of cement, the best grade of "Akron" will do. To mix, get the best sharp gravel you can find and sift out enough of the finest of it to put on the finishing coat. For the first layer of cement, mix one part cement and four of the coarse gravel and put on a 4-in layer and tamp it down. Then take the fine gravel and mix one part cement and two of the gravel and float it on. This coat should be floated on and allowed to dry slowly, and should be about 1 in thick when dry.

The gutter for the floor should be 5 in back from the manger, and may be 8 in deep and about 16 in in width, and made of material no ways different from the floor. The surface of the floor should not be smoothed off too much. A somewhat rough surface is best, as it holds the bedding from slipping back so readily. Some masons in building the floor stamp slight creases—diamond form—on the floor surface to prevent slipping.

The greatest value of a cement floor is that with it there is a complete saving of all the liquid manures of the stable, and they are all the more likely to go off than to be absorbed by the earth under the barn and forever lost. As cements and sand vary so in strength and qualities, different localities compared, it is always the safest plan to employ a competent mason who is experienced in the matter, for a badly mixed or proportioned cement laid with a trowel having a handle 700 miles long, as is this, makes about as unsatisfactory a stable floor as one can well imagine. Remember this, do not slight the mixing. An active hoe is an important factor in cement mixing.—[John Gould, Ohio.]

FOR BUSY CREAMERYMEN.

The taste of the British consumers of cheese has changed within the last few years. Once they were willing to eat strong flavored cheese, but now they must have an article that is soft and mild-flavored and for this they will pay a good price, says Prof. Robertson of Ont, who has been studying the British market.

More attention must be paid to cheese after being put on the shelves in the curing room, but the temperature should be made right first. Keep the cheese at as low or lower than 65 degrees.

Every butter maker should spend at least one term at a dairy school, but before doing so he should have at least one season's experience in a creamery in order to obtain the greatest benefit from the teaching.

In the experimental exports of butter to London, the U.S. dept of agr. was able to deliver it from creameries in Vt, N. H., Mass and Ct in 10 or 11 days, N. Y. 10, O. 13, Wis 14, Ia 12 to 15, Minn. 16 to 18, Kan and So Dak 17 or 18. Cost was 1 1/2 to 3 1/2 c p lb. Cost from refrigerator car in N. Y. until delivered in London 1 c p lb.

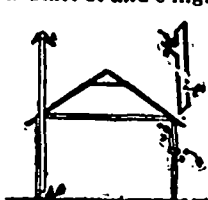
About 60 per cent of all the cow can eat is required for maintenance and it is the other 40 per cent of the food she is able to assimilate that brings a return. Limiting the feed of a dairy animal is penny wise and pound foolish. Every extra pound the animal can use is so much more from which a profit may be made. Make sure you are giving your animals all they can eat, and then begin to study

individual capacities and divide your feed, giving most to the largest eaters. Warmth is most essential to dairy cattle; exposure is sure to affect the milk flow most injuriously.

A large yield of milk needs a large supply of water.

I water my cows by letting the water into the feed troughs; this is done a short time before feeding and when the majority of the cows are through drinking the water is shut off, leaving a gallon or so of water in the trough. Into this the ensilage and grain are dumped.—[Dairy Commissioner P. B. Norton, Ia.]

Ventilating the Stable—My stable is 14x36 ft and 8 high. A wooden flue or



two, A. A. is placed along one wall and made high enough to give some draft at least 4 ft above the ridge of the roof. On the opposite wall are inserted 2 or 3 flues, as shown at B B, or, if the wall is a double boarded one, the air may be taken in by leaving a board out between two studs on the outside, as at K, and another one on the inside at N, but in that case a board, M, should be nailed in a slanting position with end pieces on either side so as to give the air a slant in direction of the ceiling.—[J. H. Monard, Ill.]

Milk Producers Are Advancing Prices in many cities and towns. The consolidated milk exchange of New York has advanced the wholesale price of a 40-qt can from \$1.21 of last summer to 1.61, or 20c p can more than at this time last year. On the other hand, dairymen have formed a strong combination to do the work of the F S M P A to secure full values. Those who supply the Boston market have also formed an incorporated company made up mostly of the membership of the N E M P U, to secure more satisfactory terms. The milk producers and peddlers of Haverhill, Springfield and Westfield, Mass., and other New England cities have formed local associations with the object of obtaining a uniform price of 6c p qt from the can, do away with the bottle trade as much as possible and mutual protection from poor credits.

Six Good Rations for a 1000 lb dairy cow are as follows: Corn silage 40 lbs, clover hay 8, wheat bran 6 and corn meal 3. Corn fodder 20, hay 6, oats 4, shorts 4, oil meal 2. Corn silage 50, corn stover 6, oats 6, malt sprouts 4, corn meal 2. Corn silage 30, hay 15, wheat bran 3, corn meal 3, cottonseed meal 2. Timothy hay 10, clover hay 8, wheat bran 6, oats 6. Corn fodder 20, clover hay 8, oats 6, oil meal 3.

To Make Dog Cakes, take cut bone 1 lb, middlings 1 lb, fine corn meal 2 lbs, and one tablespoonful of salt; mix thoroughly and bake hard in thick cakes like crackers.

At the national Hereford stock show at Kansas City, Mo., \$2500 was paid for the Hereford heifer, Armour Rose; this is said to be the highest price ever paid for a Hereford heifer.

The American live stock ass'n holds its annual meeting at Auditorium hotel, Chicago, Nov 23.

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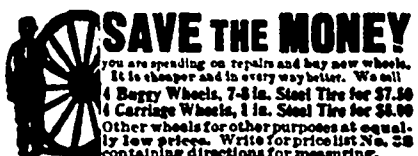


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