

leaves when the vines are shaken and soon light again.

To combat them in the summer when their destructive work is noticeable is difficult. Now is the time. They may be found under the leaves near the vines. If the vineyard is cleaned of all litter and this properly burned many will be destroyed. The insects remaining on the ground can be killed by a spray of coal oil emulsion.

INFLUENCE OF COLD AND STORMS ON BUTTER FAT.

By D. H. ORR, Kansas Experiment Station.

The Manhattan Creamery received milk on February 3, which, according to the usual calculations, would make 288 pounds of butter; but when the cream was separated and churned it yielded only 227 pounds, or over 21 per cent. short of the usual run. In looking for the cause it was noted that on February 1 the weather turned cold and it snowed for two days. This goes to show that dairy cows especially should be provided with conditions as nearly uniform as possible. Any sudden change in temperature, feed or care may not permanently affect the percentage of butter fat in milk, but it will cause a temporary change both in quantity and quality and may in a large measure account for the fluctuations in the butter fat test experienced at so many of our creameries.

THE SEED FLAT.

By W. H. MOORE, Kansas Experiment Station.

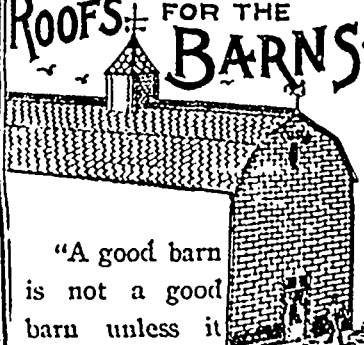
An excellent box, in which the seeds for early flowers can be sown, is about eighteen inches long, fifteen inches wide, and three and one-half inches deep. This box can be placed in the window beside the cutting-box. A good soil for the seed-box is made of three-fourths soddy loam and one-fourth sand; this mixture gives a soil that drains well, and does not run together after it has been watered a few times.

In this box can be sown Pansy, Verbena, Petunia, Snap-Dragon, Sweet Alyssum, Salvia Splendens, or seeds of any other similar plants that will stand transplanting and are desired for early blooming. Enough plants can be grown in a box of this size to supply a good-sized flower garden.

Sheepmen who patronize the well-known Cooper Sheep Dip, advertised in our columns, should write to William Cooper & Nephews, Galveston, Texas, for their pocket calendar and note book, which is mailed free. The Cooper Dip seems to give the greatest satisfaction, and is rapidly increasing in popularity.

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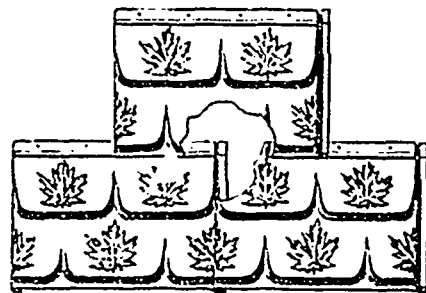
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Potatoes—Carman, No. 3, \$1.25 per bus.
" Great Divide, \$1.25 per bus.

FIELD SEEDS

Sugar Beet—Danish Improved, 50c. lb., 3 lbs. \$2.25
Corn (Field)—Mammoth eight-rowed yellow, \$1.25 per bus.
Barley—Success Beardless, \$1.00 per bus., 5 bus. and over, 90c. per bus.
Oats—The New Black Medway (all sold).
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