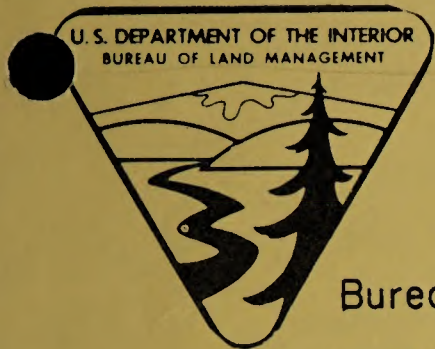


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Bureau of Land Management U.S. DEPARTMENT OF THE INTERIOR

LIVESTOCK SUN SHELTER AND SMALL ANIMAL WATER CATCHMENT

A design which could be termed a 'multiple-use' sun shelter has been submitted as a suggestion from Daniel B. Rathbun.

The shelter itself (illustration 1) is sixteen feet wide and forty-eight feet long. A one-inch rain on the roof surface yields approximately 480 gallons of water which can be caught in a run-off rain gutter and stored in a steel tank.

As shown in the illustration, a portion of the water can be made available to wild fowl for drinking through a one-inch pipe which extends from the steel tank, to the enclosure and an automatic shut off float valve. The remaining water can be used as needed to irrigate appropriate bird food plants such as millet or grain within the enclosure itself. Any precipitation over 2000 gallons will go to the enclosure through an overflow pipe. Thus wild birds can be provided with food as well as water.

The shed itself may be used in the distribution of livestock as well. In many BLM districts summer temperatures often range in the neighborhood of 90° to 100° F and domestic animals seek shade wherever it can be found. By placing the shed away from existing waterings, distribution can be improved, and the chain-reaction resulting produces a more uniform utilization of the range combined with no increase in livestock numbers which should promote soil stabilization and increase watershed value.

In the proper locations, both wildlife and livestock can benefit from the use of the sun shelter.

ILLUSTRATION 1

