

7-1946

CC94 Gravity Type Seed Treater

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UNIV OF NEBRASKA
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Gravity Type Seed Treater

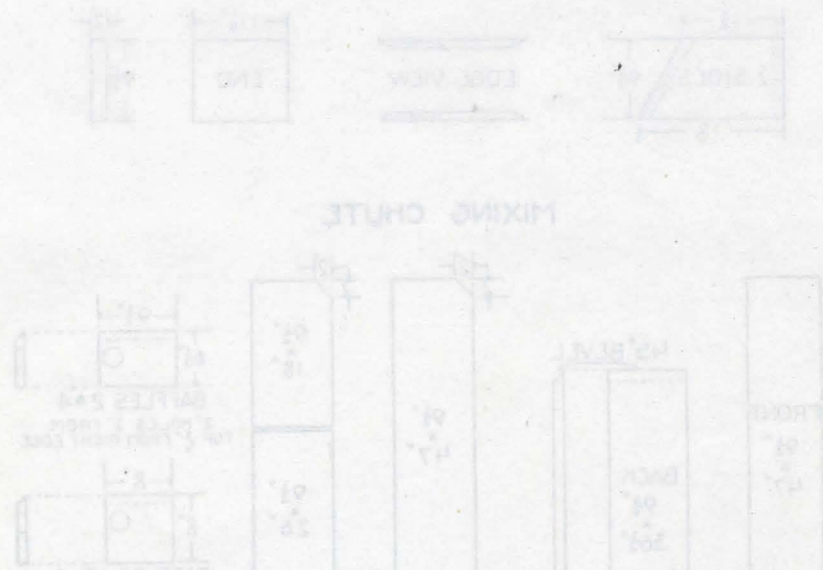
CONSTRUCTION OF TREATER

STACKS

First cut all the parts shown in Figure 9 from standard 1- by 10 inch boards planed on both sides and edges. Nail up the mixing chute as shown, leaving the placing of the baffle boards until last. The sides a and c and door must overlap the front and back, b and d. Accurate cutting and placing of the baffles is of the very greatest importance. The upper edges of these are beveled to 45 degrees to fit snugly inside the chute. A 2-inch hole is bored in each baffle, 2 inches from the top of the longer side and 3/4 inch from the right-hand edge as one faces the longer side.

Baffle 1 (Fig. 9) is placed with its beveled edge against side a, 17 1/2 inches from the top of the chute, with the hole under the opening that will be made by raising the trough. Baffle 2 is placed against side b, 24 inches from the top of the chute; 3 against side c, 29 1/2 inches from the top; 4 against side d, 36 inches from the top; and 5 against side a, 41 1/2 inches from the top.

When the mixing chute is complete, study the way the proportioning trough will fit into it and how the two will fit together (Fig. 8). Nail up the trough, being careful to overlap the boards as shown. The two long side boards overlap the bottom board, and the two short beveled side boards overlap the long ones and rest on top of the bottom board. Finally, put the trough and chute together, pushing the trough clear in to the front of the chute so that no opening is left in the chute unless the trough is raised. The trough holds 2 1/2 bushels and was designed to treat 2 bushels of grain at a time.



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Cooperative Extension Work in Agriculture and Home Economics
University of Nebraska College of Agriculture, and the United States
Department of Agriculture cooperating, W. H. Brokaw, Director, Lincoln.

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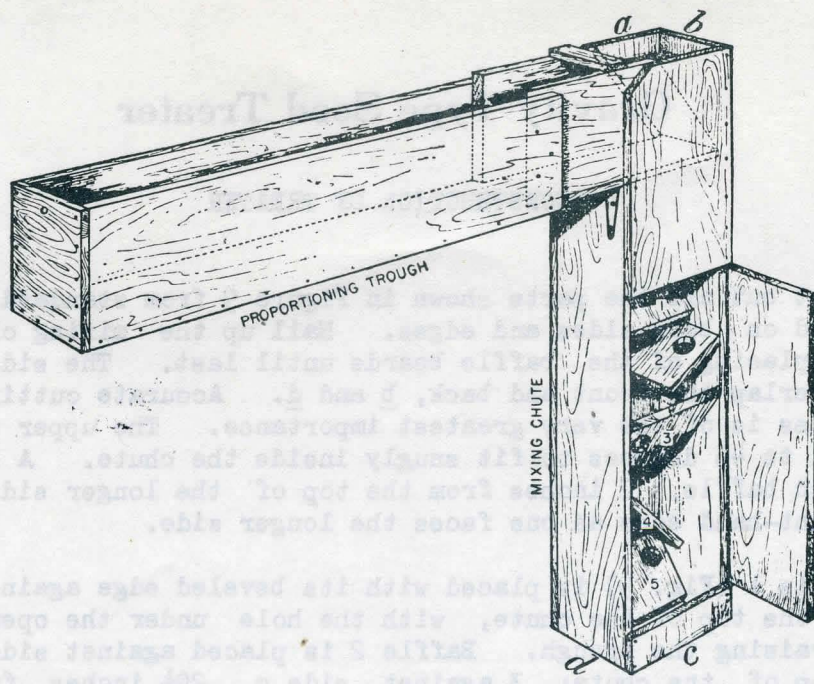
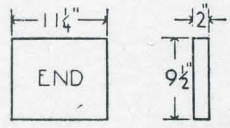
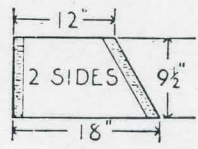
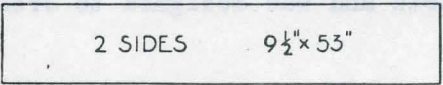
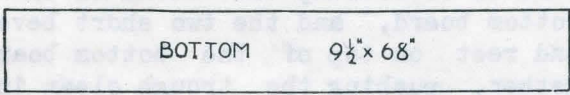


FIG. 8.—General view of gravity treater.
(From Minn. Ext. Circ. 58, 1938.)

PROPORTIONING TROUGH



MIXING CHUTE

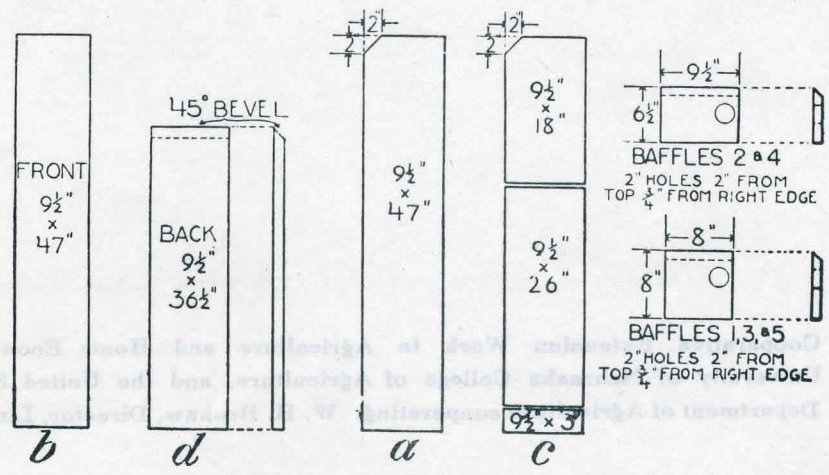


FIG. 9.—Parts for making the treater.
(From Minn. Ext. Circ. 58, 1938.)