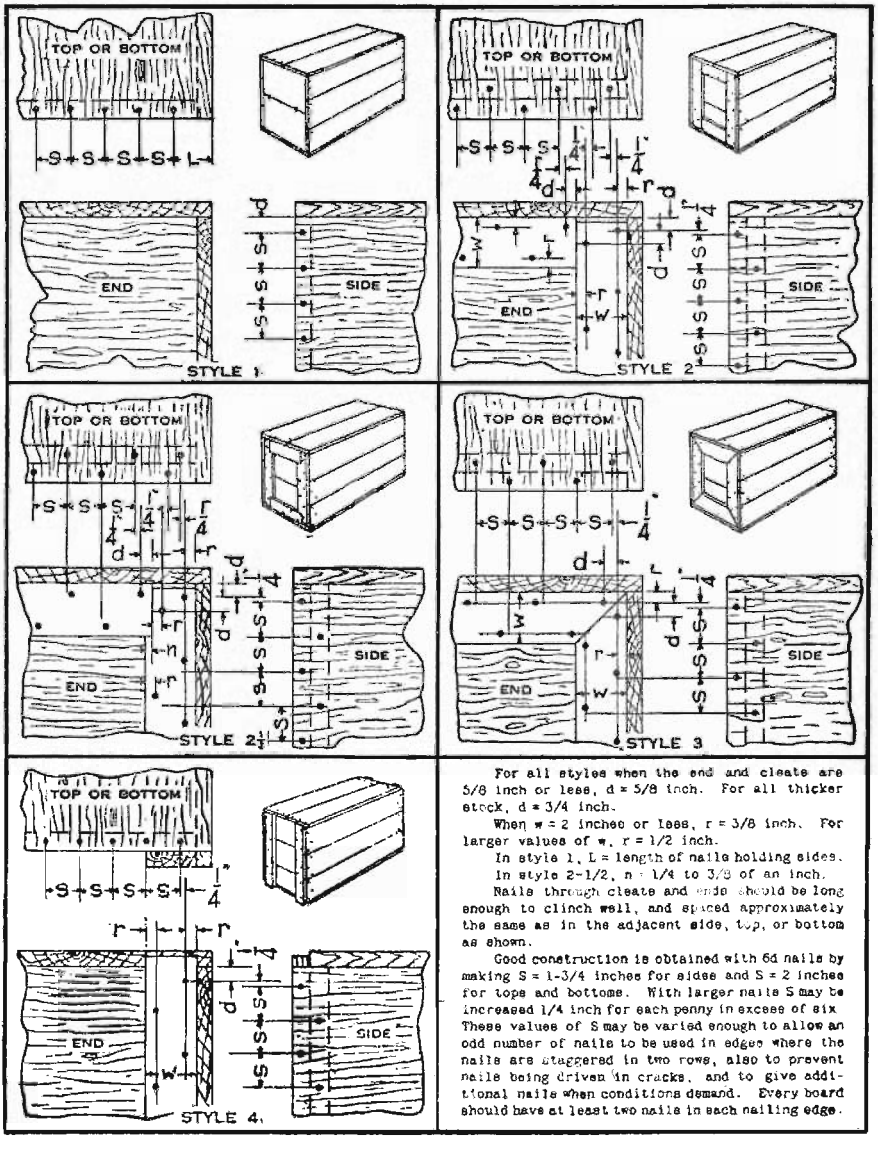
TECHNICAL NOTE NUMBER 182

FOREST PRODUCTS LABORATORY - U. S. FOREST SERVICE - MADISON, WISCONSIN

DETAILS OF NAILING FOR COMMON STYLES OF BOXES



For all styles when the end and cleats are 5/8 inch or less, d = 5/8 inch. For all thicker stock, d = 3/4 inch.

When w = 2 inches or less, r = 3/8 inch. For larger values of w, r = 1/2 inch.

In style 1, L = length of nails holding sides.

In style 2-1/2, n = 1/4 to 3/8 of an inch.

Nails through cleats and ends should be long enough to clinch well, and spaced approximately the same as in the adjacent side, top, or bottom as shown.

Good construction is obtained with 6d nails by making S = 1-3/4 inches for sides and S = 2 inches for tops and bottoms. With larger nails S may be increased 1/4 inch for each penny in excess of six. These values of S may be varied enough to allow an odd number of nails to be used in edges where the nails are staggered in two rows, also to prevent nails being driven in cracks, and to give additional nails when conditions demand. Every board should have at least two nails in each nailing edge.