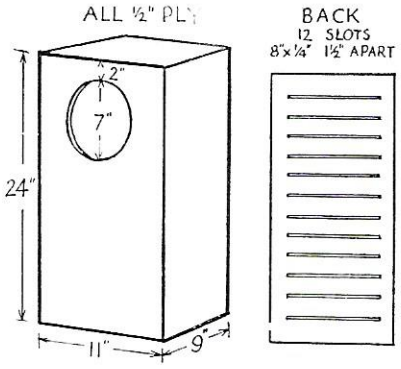
FIG. R1—1 cu.ft.



DP cabinet suitable for all types of 8″ unit.

Materials

½″ plywood lined on all four sides with about 1″ absorbent. Back lined soft cloth.

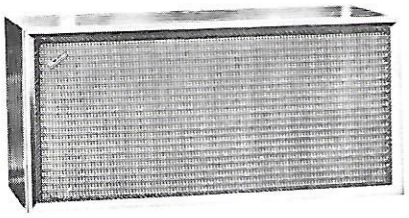
Weight

14 lb. approx.

Alternative tuning

Vent 9″ x 1″ in front panel, with solid back.

Finished appearance with solid wood frame and Tygan mesh.



ASSEMBLY OF BACK

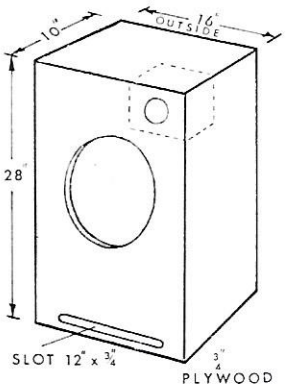
For the home constructor, the slotted back is not so easy to make as a simple vent opening. One plan is to use strips of plywood of the required width and fix them firmly ¼″ apart to side battens or plywood frame. In all cases the slots should be covered by soft cloth such as grey flannel or black melton securely glued to the inside of the panel.

An easier method is to replace the narrow slots by a number of small holes drilled in the back panel. A row of 10 holes each ½″ diameter would give about the same area as one slot 8″ × ¼″ and would of course have to be covered by soft cloth.

FIG. R2—2 cu.ft.

With this size of enclosure the tuned reflex still gives the best LF performance, and the narrow vent 12″ × ¾″ is suitable for 8″, 10″ and 12″ speakers.

A low resonance 12″ RS unit will give clean bass in the R2 down to 25 c/s at low input level. For optimum results, a 12″ RS unit with polystyrene diaphragm and separate tweeter is recommended.



Reflex cabinet suitable for 8″, 10″ and 12″ units.

Tweeter box optional.

Materials

¾″ plywood completely lined with 1″ absorbent. If a wide range 12″ unit is used, the enclosure should be well filled with absorbent.

Weight

35 lb. approx.

This cabinet is easily finished on the lines of the R1.