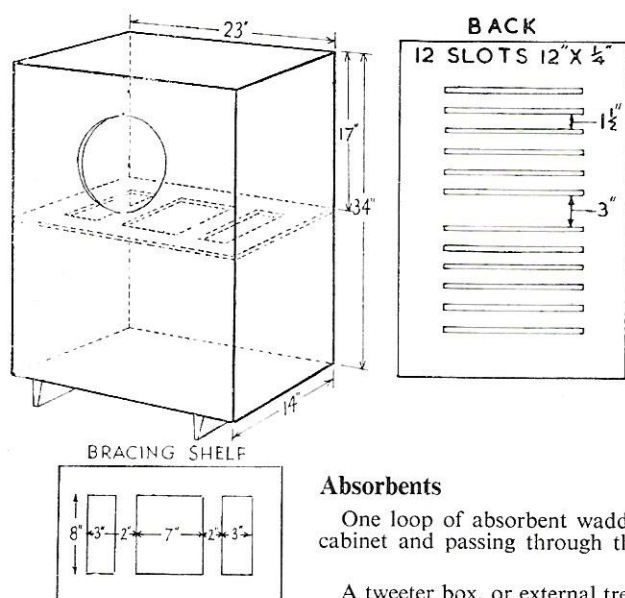


**FIG. R5—5 cu.ft.**



*DP cabinet suitable for all speakers, CS, FS and RS types, up to and including 15" units.*

### Materials

$\frac{3}{4}$ " plywood, lined on all four sides with  $\frac{1}{2}$ " Celotex or  $\frac{1}{4}$ " building board. Back lined with soft cloth. The bracing shelf must be secured around all four sides to cut down panel resonance.

### Weight

54 lb. approx.

Each slot can be replaced by 15 holes  $\frac{1}{2}$ " diameter.

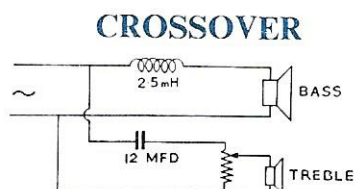
### Absorbents

One loop of absorbent wadding 7 ft.  $\times$  1 ft.  $\times$  1" thick, fixed to top of cabinet and passing through the two small openings of the bracing shelf.

A tweeter box, or external treble unit(s) on the lines of the corner speaker system can easily be added.

## TREBLE ENCLOSURES

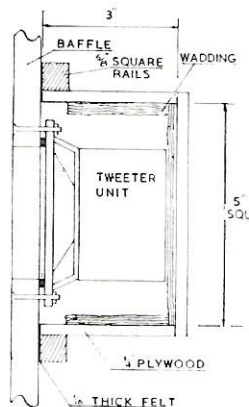
When a 12" unit is used in a small enclosure it tends to expose the internal resonances and honking may result. The best remedy is to add a tweeter with a crossover, as follows:



*Simple system for control of two speakers in compact enclosure.*

*Treble VC optional.*

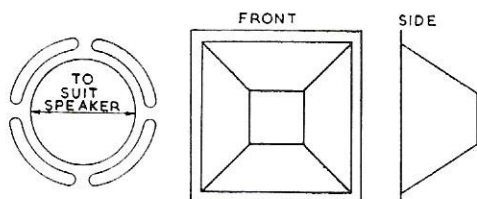
The inductance coils and the capacitors are available through hi-fi dealers and are easily fitted in a bass enclosure.



**FIG. R6**

*Assembly details for airtight-enclosure for 3" unit with large magnet. The speaker leads are brought out through a hole which should be sealed off with adhesive tape to make it airtight.*

For more omni-directional results, the design of Fig. R7 can be adopted. The centre hole is made to suit the diameter of the speaker, then four extra openings about  $\frac{1}{2}$ " wide are made so that sound waves are reflected from the inside of the tweeter box, which is designed with sloping sides for this purpose.



**FIG. R7**

*Tweeter box with sloping sides to reflect sound through openings around the speaker. Line with thin layer of absorbent.*

This box or cover can be made by hand in strong cardboard, secured inside and outside by adhesive tape to ensure airtight joints. A layer of soft cloth or felt should be glued to the front rim before fixing the box in position—again to avoid any air leaks.