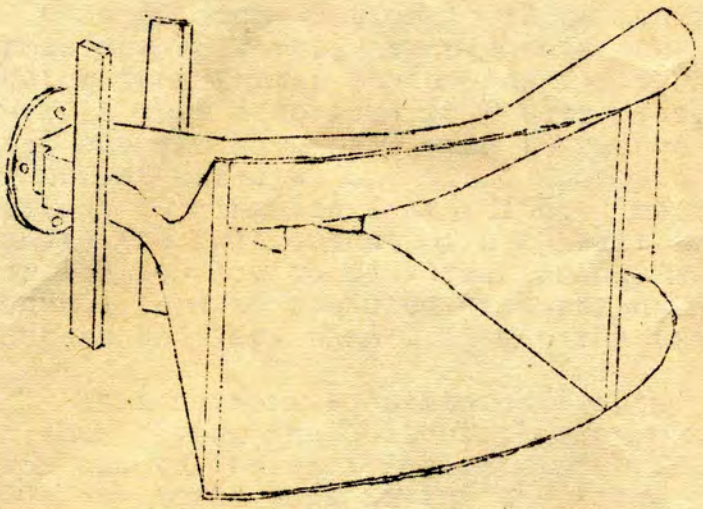
KLIPSCHORN K-5
HIGH FREQUENCY HORN
Pat. Pending



This horn, of a novel cell design, first described in the Jour. Acous. Soc. Am., January, 1946, has the requisite polar characteristic for use with the KLIPSCHORN K-3 corner woofer. With the recommended drivers, efficiency also matches that of the woofer so that no padding or equalization is needed to preserve balance between the low and high frequency speakers. Freedom from distortion is a major consideration, and this speaker offers a degree of distortion-free performance found only in horns of good design. Extension of the frequency spectrum at the upper end is tolerable only when such distortion-free performance is available.

Cutoff due to taper is 330 cps; it is recommended that crossover frequency of 500 cps be used. The upper frequency limit is determined by the driver used; with the WE 713A motor, the upper limit of performance is well above 12,000 cps.

Construction; the two curved surfaces are molded fabric laminates assembled to wood parts with modern adhesives approved for wood aircraft construction. Four inner cells give the effect of an 8 cell horn. Polar characteristic is 90° horizontal by 60° vertical giving complete uniform coverage of a room from the corner besides offering the same $\pi/2$ stearadians solid angle of radiation offered by the woofer for use with which this HF horn was specifically designed. Back legs extend the height of the horn so as to provide a support for the cover of the 2 speaker assembly.

Mounting ring is for the Western Electric 713A motor; ring for the Jensen XP 101 may also be obtained on special order.

Dimensions: approximately 21" long, 9" high, 25" wide. With 713A motor, length is such that it fits on top of the K-3 woofer. With the Jensen XP 101, the larger motor is compensated by a shorter horn length so that this combination also fits the woofer.

Price, without driver, $75.00, list, FOB Hope. For those doing their own installing, a discount of 36% is offered to make the net price $48.00, FOB Hope.

KLIPSCH AND ASSOCIATES
HOPE, ARKANSAS.
10 October, 1946