

The background of the entire page is a close-up, perspective view of numerous organ pipes. The pipes are light-colored, possibly wood or metal, and are arranged in a dense, slightly curved pattern that recedes into the distance. The lighting creates soft shadows and highlights, giving the pipes a three-dimensional appearance. The overall color palette is warm and monochromatic, ranging from light beige to a deeper tan.

**Leslie**

**ORGAN SPEAKERS**

*"Pipe Voice of the Electric Organ"*

*for*

**HAMMOND ORGANS**



# The *Leslie* ORGAN SPEAKER

... is the significant "fact of life" for the electric organ. Such is the appraisal of users — thousands of them, who have experienced the unique musical "lift" which the Leslie Speaker gives the electric organ. And, these same enthusiasts agree that only the Leslie brings about such exciting musical results.

Conceived expressly for the Hammond Organ, the Leslie Speaker imparts a thrilling, pipe-like quality to the tone. A new potential of musical performance is introduced. Organ sound is created which is totally interesting, and always listenable.

Acceptance of the Leslie Speaker is commensurate with the level of musical and technical accomplishment which it represents. Origin of the Leslie was preceded by a recognition of certain fixed limitations in electric organ design which would prevent the instrument from attaining complete musical adequacy. Hence, it seemed that a special speaker system could and should be developed as a means for bridging the gap between the obviously synthesized and the completely musical sound. The Leslie Speaker achieves this miraculous result, as is proven by its growing popularity, its widespread acceptance. For the patented\* Leslie Speaker has become synonymous with the "good sound" in electric organs.

The Leslie is appropriately designed around a very accurate appraisal of the type of sound that is most pleasing to the ear. The organ at its best must sound big, full, rich, and dramatic. Its tremulant must be a realistic one — not a mere electronic waver, but rather a genuine, colorful, yes — a pipe-like effect. In its original creation the Leslie Speaker was oriented to a *musical* requirement. It is most accurately evaluated today in terms of

the same requirement. Today, as at its beginning in 1940, the Leslie Speaker ranks in a class by itself: a unique device, built for a very special purpose, occasionally imitated, but as a practical matter *never equalled*.

Behind the glorious sound there lies an impressive *technical* achievement, fully oriented to the requirements of the electric organ. The range of the Leslie Speaker is carefully tailored to the range of the organ, with special attention to the lower frequencies. As a result the organ pedal tones sound strong and deep. Power in the Leslie, achieved through a skillfully devised amplifier, is genuinely overwhelming. This again serves to enhance the pipe organ comparison. The unique rotary elements in the Leslie Speaker result in "full circle" sound radiation, uniform distribution of tone from all sides of the cabinet. In this way the total sound output of the Leslie is utilized most efficiently, frequently making a single Leslie adequate in situations which would otherwise require two ordinary speakers. These, as just a few of the technical accomplishments, demonstrate the highly specialized, ingenious character of the Leslie Speaker. A fundamentally "right" concept, brilliant engineering, and uncompromising production standards, have combined to make the Leslie Speaker a product of superb quality.

Ownership of an electric organ usually has as its broad purpose the enjoyment of music. Because of its positive musical contribution, the Leslie Speaker, when combined with the Hammond Organ, effectively guarantees that the goal of musical enjoyment will be fulfilled.

To the long-time user, or to anyone hearing it for the first time, the Leslie Speaker is without a doubt, the "pipe voice of the electric organ."



## MODEL 22H

**CABINET:** Selected hardwood veneers with quality lacquer finish in walnut, mahogany, cherry, limed oak, korina blonde, and ebony. Unfinished cabinets in above veneers available on special order.

Dimensions: 28" wide, 20" deep, 41" high.

**AMPLIFIER:** 40 watts of undistorted power on a continuous basis. Peak output, a commonly used rating, would approach 60 watts. Designed expressly for organ usage, the amplifier incorporates ingenious screen stabilization\*, and is extremely efficient and durable. Long-life 6550 tubes, plug-in condenser, protective fusing are but a few of the many features which minimize and simplify maintenance. Designed for 117 volt, 60 cycle operation, the total power consumed by the amplifier and the two tremolo driving motors is just 250 watts.

**SPEAKER COMPONENTS:** Treble — compression-type driver unit, projected through patented rotary horn.  
Bass — 15-inch heavy duty PM speaker, coupled to a patented rotary horn.  
Crossover — high level filter network separates treble and bass ranges for optimum musical effects.

**TREMOLO CONTROL:** The two tremolo-producing rotors are switched on and off by means of a convenient lever control, housed in a compact case and mounted on the wood rail adjacent to the lower manual. Slow, medium, or fast tremolo speed may be selected as an adjustment of the rotor belt.

**WEIGHT:** 150 pounds net; 165 pounds boxed for shipment.

**GUARANTEE:** One year from date of purchase, covering workmanship and materials.  
\*Patent pending.



## MODEL 22R

Identical in function to the Model 22H, the 22R speaker is in addition fully prepared for installation of the spinet-type Hammond Reverberation kit with console-style reverberation speaker. The 22R cabinet is equipped with extra louvres for the reverberation speaker, together with the necessary internal facilities for installation of the several assemblies which comprise the reverberation device.

The 22R, like the 22H, is suitable for use with all two-manual Hammond Organs. The 22R is completely usable without the Reverberation Kit installation, which may instead be treated as an optional future possibility.



# ACCESSORIES

## THE ECHO CONTROL

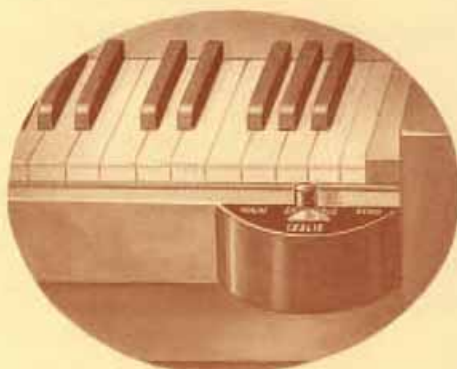
An Echo Control should be used whenever one or more Leslie Speakers are to be connected to a Hammond model having its own built-in speaker system. Use of the Echo Control is recommended also whenever several speakers are to be connected to a Hammond model without a built-in speaker system. Use of the Echo Control in these instances, although not mandatory, does permit the fullest exploitation of musical possibilities inherent in the combination of several speakers. The Echo Control thus is recommended in cases where several Leslie Speakers are to be used, as well as where Leslie Speakers are to be used in combination with Hammond tone cabinets.

The Echo Control is in reality a speaker selector switch; the type to be used will depend on the organ model involved. Used with those Hammond models having built-in speaker systems the Echo Control enables the organist to play through either the Leslie Speaker or the organ's speaker system, or to use both together. Multiple speaker installations usually involve Hammond consoles that do not have built-in speaker systems. In such multiple speaker installations the Echo Control provides for switching between two speakers, or two groups of speakers, and also makes possible the simultaneous use of all the speakers.

Addition of the Echo Control is a simple process. A compact terminal box is installed inside the console to operate in conjunction with the external control switch. The switch, in its slim mounting case, fastens to the wood rail below the manuals in a way which does not mar the rail's appearance. The Echo Control switch may be located either adjacent to the Tremolo Control, or at the opposite end of the rail from the Tremolo Control. Both locations are illustrated in the drawings to the right.

Three Echo Control "kits" are available, each designed for use with a specific Hammond model group.

1. 3M Echo Control kit - for Hammond Model "M" Organs.
2. A-100 Echo Control kit - for Hammond Model A-100.
3. 3H Echo Control kit - for Hammond consoles without built-in speaker systems.



Echo Control at Right



Echo and Tremolo Controls Grouped Together

Manufactured by

**ELECTRO MUSIC**

313 So. Fair Oaks Ave.

Pasadena, California

PRINTED IN U.S.A.