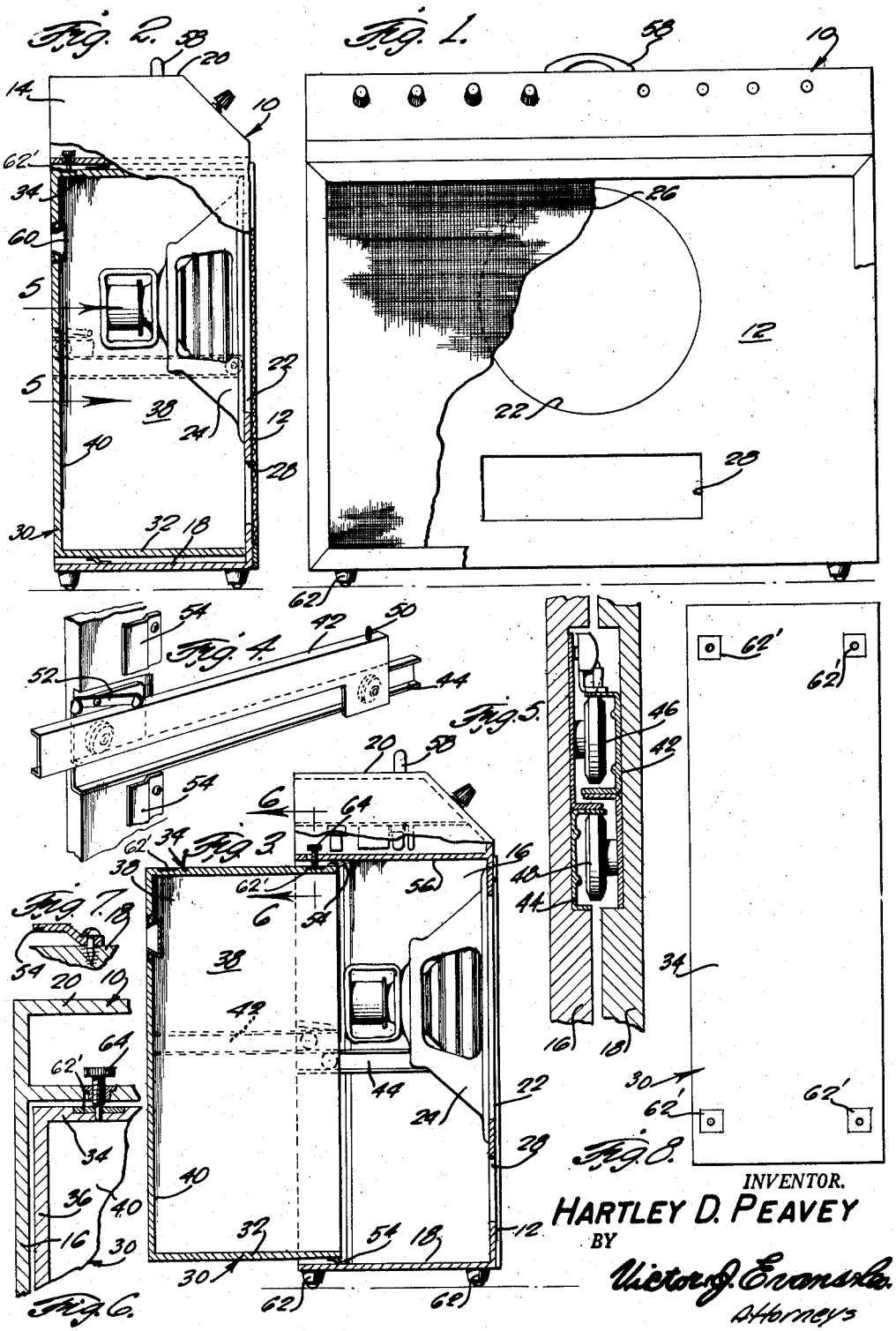
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PORTABLE SOUNDING APPARATUS

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# PORTABLE SOUNDING APPARATUS

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The present invention relates generally to sounding devices and in particular to a portable speaker unit for use in a public address system, amplification of a musical instrument, or other loud speaker assemblies.

An object of the present invention is to provide a portable sounding apparatus having a telescoping portion so as to be compact when in condition for transportation but which may be enlarged so as to increase the frequency response and tonal quality of the reproducing unit installed therein.

Another object of the present invention is to provide in a cabinet of the type employed as a loud speaker mounting, a shell telescopingly arranged within the cabinet so that the internal volume of the cabinet can be adjusted with ease and facility.

A further object of the present invention is to provide in a portable sounding apparatus, means for increasing the tonality of a loud speaker installed in the apparatus, this means being easily adjusted and foolproof in operation.

These and other objects and advantages of the present invention will be fully apparent from the following description when considered in connection with the annexed drawing, in which:

FIGURE 1 is a front elevational view of the apparatus according to the present invention,

FIGURE 2 is a side elevational view with a portion broken away,

FIGURE 3 is a side elevational view with portions broken away showing the shell in the position of use,

FIGURE 4 is a fragmentary perspective view of one of the slides, on an enlarged scale,

FIGURE 5 is a view on an enlarged scale taken on the line 5—5 of FIGURE 2,

FIGURE 6 is a view on an enlarged scale, taken on the line 6—6 of FIGURE 3,

FIGURE 7 is a detailed fragmentary view in section of a portion of the sealing means, and

FIGURE 8 is a top plan view of the shell removed from the cabinet.

Referring in detail to the drawing in which like numerals indicate like parts throughout the several views, the apparatus of the present invention comprises a cabinet **10** having a front wall **12**, side walls **14** and **16**, a bottom **18**, and a top **20**.

The front wall **12** is provided with a cutout portion **22** behind which is mounted a loud speaker **24**. A grill cloth **26** covers the front of the cabinet as shown most clearly in FIGURE 1. The front wall **12** also has another cutout opening **28** for the emission of sound therethrough.

The present invention provides a shell designated generally by the reference numeral **30** which is telescopingly arranged in the cabinet **10**. The shell **30** includes a bottom wall **32**, a top wall **34**, side walls **36** and **38**, and a back wall **40** extending over the adjacent side edges of the bottom wall **32**, top wall **34**, and the side walls **36** and **38**.

Inner engaging cooperating slide means is provided on the side walls **14** and **16** and side walls **36** and **38** for allowing sliding movement of the shell **30** into and out of the open back of the cabinet **10**. This slide means consists in a conventionally designed pair of slide elements **42** and **44** (FIGURE 4) having cooperating rollers **46** and **48** as shown most clearly in FIGURE 5.

A stop **50** projects upwardly from the element **42** and prevents the disengagement of the element **42** from the element **44** unless a latch **52** is raised out of the way of the stop **50**. Sealing means **54** extend about the interior of the cabinet **10** on the bottom **18**, side walls **14** and **16**, and on the underside of a partition **56** which is spaced below the top **20**.



The space above the partition **56** and below the top **20** is employed to house electronic equipment such as an amplifier or the like. A handle **58** on the top **20** provides a means by which the cabinet and assembled shell may be carried from place to place as desired. An inset type of handle **60** is secured in the back wall **40** of the shell **30** to enable a person to readily grasp the shell **30** for moving it inwardly or outwardly of the cabinet **10**.

Feet **62** on the underside of the bottom **18** complete the invention and the use of the invention is obvious to one skilled in the art.

The cabinet and assembled shell when in the collapsed condition shown in FIGURE 2 is readily portable and the shell is readily movable from the nested condition shown in FIGURE 2 to the expanded condition shown in FIGURE 3.

Thumb screws **64** extending through the partition **56** and engageable with metal plates **62'** insert into the shell top wall **34** are used as a means for securing the shell **30** in either the condition of use position shown in FIGURE 3 or in the nested position shown in FIGURE 2.

While only a preferred form of the invention has been shown and described, other forms of the invention are contemplated and numerous changes and modifications may be made in the invention without departing from the spirit thereof as set forth in the appended claims.

What is claimed is:

1. In a portable sounding apparatus including an upright cabinet having a top, a bottom, side walls connecting the adjacent ends of said top and bottom together, a front wall extending over the adjacent edges of said top, bottom, and side walls, said cabinet having an open back, and a sound reproducing unit mounted in said front wall, an upright shell having a bottom wall, a top wall, side walls connecting the adjacent ends of said bottom and top walls together, a back wall extending over the adjacent edges of said bottom wall, top wall, and side walls, said shell being insertable into and withdrawable from the open back of said cabinet, and cooperating slide means on said shell side walls and said cabinet side walls supporting said shell for sliding movement relative to said cabinet.

2. In portable sounding apparatus including an upright cabinet having a top, a bottom, side walls connecting the adjacent ends of said top and bottom together, a front wall extending over the adjacent edges of said top, bottom, and side walls, said cabinet having an open back, and a sound reproducing unit mounted in said front wall, an upright shell having a bottom wall, a top wall, side walls connecting the adjacent ends of said bottom and top walls together, a back wall extending over the adjacent edges of said bottom wall, top wall, and side walls, said shell being insertable into and withdrawable from the open back of said cabinet, and cooperating slide means on said shell side walls and said cabinet side walls intermediate the ends thereof supporting said shell for sliding movement relative to said cabinet.

3. In a portable sounding apparatus including an upright cabinet having a top, a bottom, side walls connecting the adjacent ends of said top and bottom together, a front wall extending over the adjacent edges of said top, bottom, and side walls, said cabinet having an open back, and a sound reproducing unit mounted in said front wall, an upright shell having a bottom wall, a top wall, side walls connecting the adjacent ends of said bottom and

top walls together, a back wall extending over the adjacent edges of said bottom wall, top wall, and side walls, said shell being insertable into and withdrawable from the open back of said cabinet, and cooperating slide means on said shell side walls and said cabinet side walls intermediate the ends thereof supporting said shell for sliding movement relative to said cabinet, and releasable latch means for holding said shell against sliding movement relative to said cabinet.



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