E. P. SHEPARD.

SOUND MODIFIER FOR TALKING MACHINES.

APPLICATION FILED SEPT. 21, 1909.

953,557. Patented Mar. 29, 1910.

Fig. 1.

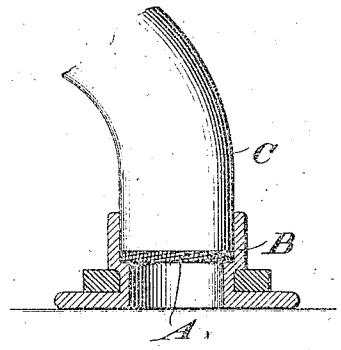


Fig. 2.

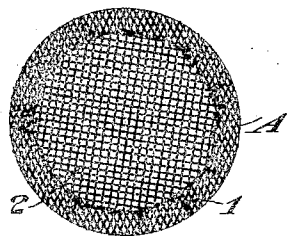
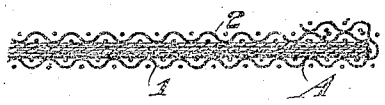


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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SOUND-MODIFIER FOR TALKING-MACHINES.

953,557.

Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed September 21, 1909. Serial No. 518,846.

To all whom it may concern:

Be it known that I, EDWARD P. SHEPARD, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Sound-Modifiers for Talking-Machines, of which the following is a specification.

My invention relates to an improvement in sound modifiers for talking machines, and its object is to provide means whereby the sound can be modified or reduced without in anywise producing a detrimental muffling effect.

The invention consists of certain novel features of construction and combination of parts to be hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a fragmentary view of the goose-neck of a talking machine, showing the invention applied, Fig. 2 is a plan view of the modifier, and Fig. 3 is a sectional view of the same.

A represents the sound modifier, which may be located within the sleeve B by which the sounding box is attached to the goose-neck C, or within any equivalent part of the talking-machine.

The modifier is composed of two wire-gauze disks 1 and 2, the disk 2 being of less diameter than the disk 1, and interposed between the disks is one or more layers of fabric such as silk, which allows the sound waves to readily pass without affecting the sound with the exception of reducing or modifying it. The layers of silk or other fabric are of the same diameter as the disk 2, and as the fabric is placed between the disks the outer edges of the disk 1 are brought around or folded upon the disk 2, whereby the fabric is retained between the disks and the two disks are connected together.

From the foregoing, it will be seen that I have provided a simple means for modifying the tone of the sound-waves which is easy to construct and in which all of the parts are firmly held together.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. A sound modifier for talking-machines comprising a disk, a layer of fabric received on the disk and the edges of the disk folded over for retaining the fabric upon the disk.

2. A sound modifier for talking-machines comprising a large and a small disk, a layer of fabric interposed between the two disks and the edges of the larger disk being folded over upon the smaller disk for connecting the smaller disk and fabric together.

In testimony whereof I affix my signature, in the presence of witnesses.

EDWARD P. SHEPARD.

Witnesses:
A. E. DODSON,
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