J. PEARSON.

SOUND MODIFIER FOR PHONOGRAPHS, &c.

APPLICATION FILED JAN. 14, 1908.

929,482. Patented July 27, 1909.

Fig. 1.

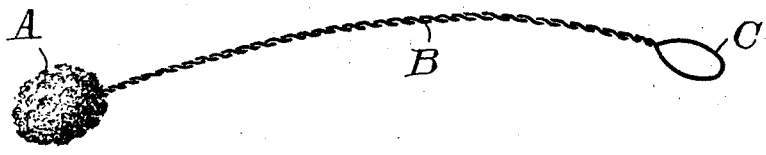
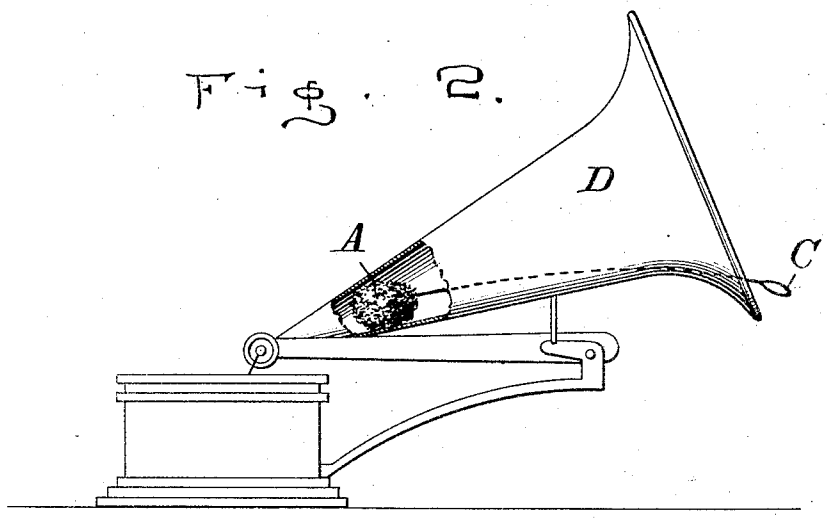


Fig. 2.



WITNESSES:

Thos. W. Riley

K. J. Jacobi.

INVENTOR

J. Pearson.

BY

W. J. FitzGerald & Co.

Attorneys

UNITED STATES PATENT OFFICE.

JAMES PEARSON, OF DENTON, NEBRASKA.

SOUND-MODIFIER FOR PHONOGRAPHS, &c.

No. 929,482. Specification of Letters Patent. Patented July 27, 1909.

Application filed January 14, 1908. Serial No. 410,762.

To all whom it may concern:

Be it known that I, JAMES PEARSON, a citizen of the United States, residing at Denton, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Sound-Modifiers for Phonographs, Graphophones, and Like Instruments, of which the following is a specification.

My invention relates to certain new and useful improvements in sound modifiers or mufflers, more especially for use with phonographs, graphophones and the like.

It has for its object more particularly to simplify construction, to facilitate the application of the instrument for use, and provide for the ready and effective retention thereof in position when so applied.

It consists of the detailed construction and arrangement of certain parts substantially as hereinafter fully disclosed and defined by the claim.

In the accompanying drawing embodying my invention, Figure 1 is a perspective view thereof. Fig. 2 is a view in elevation of an instrument of the sound producing type termed the graphophone, including its horn or megaphone, having the invention applied thereto.

In carrying out my invention I form the same of a member A, which constitutes the muffler proper and which is of some readily compressible and fibrous material, as cotton, wool, felt or the like, having the approximate general outline as disclosed by the drawing, being ball-like, for facility and ready application within the horn or megaphone D, as suggested in Fig. 2 of said drawing. It is apparent that by suitably forcing the member or muffler A into the horn to a greater or less extent, the sound emitted therefrom will be accordingly modified or muffled as may be desired.

In order that the member or muffler A may be readily or conveniently applied for use as indicated, I provide a stem or handle B therefor, forming said stem or handle of a continuous piece of wire bent about centrally upon itself and looped around and tightly embracing said muffler member, the thus formed strands of said continuous piece being twisted back one upon the other and adapted to form a loop-terminal C at its outer end for facility of engagement therewith by the finger.

The stem formed of the wire or wires so bent will lie upon the bottom of the horn or megaphone, with the end loop C of said stem extending a few inches beyond the megaphone or horn and thus remain more firmly at the place where it is desirable to use it, for results according to the record being used and the general surroundings. From this structural characteristic of my invention, it will be noted that no additional contrivance is necessary to hold the device in position, but, because the outer looped end C of the stem having a tendency to pull outwardly and the inner end A, a tendency to pull inwardly or oppositely, there is an equilibrium manifest, and the device or regulator will not only stay just where it is placed, but it will equalize its own weight to such an extent that the reproducer of the machine is not required to carry any harmful weight.

I claim—

A device of the character described for a megaphone, comprising a sound-muffler member and a stem-member carrying the sound-muffler member at one end and having a looped finger engaged terminal at its opposite end, said stem-member being adapted to lie upon the bottom of the megaphone and to incline inwardly and downwardly toward its inner end and to incline outwardly and downwardly toward its outer end at about a median line passing vertically through said stem-member, said stem-member being formed of a continuous piece bent about centrally upon itself and looped around and tightly embracing said sound-muffler member and the thus formed strands of said continuous piece being twisted back one upon the other and forming the looped finger engaged member at its outer end.

Signed by me this eleventh day of January 1908.

JAMES PEARSON.

Witnesses:

CYRIL CLEGG,

C. M. ROWLAND.