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## PATENT SPECIFICATION



Application Date : April 28, 1926. No. 11,141/26.

266,936

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### PROVISIONAL SPECIFICATION.

#### Improvements in or relating to Gramophones.

I, CHARLES GILBERT HIBBARD, a British subject, of 75, Arundel Street, City of Sheffield, do hereby declare the nature of this invention to be as follows:—

This invention relates to gramophones and refers particularly to the method of insulating the sound-boxes of such instruments, the objects of the invention being to improve and increase the volume of tone and also to allow of slight movement of the sound-box.

According to this invention, instead of the sound-box being insulated, as is the

usual practise, the nozzle of the tone-arm is insulated. 15

In carrying out my invention, the nozzle of the tone-arm, which receives the neck of the sound-box, is lined with a flanged ring of rubber or other suitable insulating flexible material which will grip the neck of the sound-box when it is inserted and will also allow the sound-box to move slightly while in action on the record disc. 20 25

Dated this 27th day of April, 1926.

R. F. DRURY & SONS,  
Agents.

### COMPLETE SPECIFICATION.

#### Improvements in or relating to Gramophones.

I, CHARLES GILBERT HIBBARD, a British subject, of 75, Arundel Street, City of Sheffield, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to gramophones and refers particularly to the method of and means for insulating the sound boxes of such instruments and has for object to provide an improved fitting for this purpose.

According to the present invention the materials of the tone arm and sound box are insulated from each other by means of a flanged rubber tube adapted to be disposed mainly within the tone-arm and to receive the neck of the sound box in such a way that when assembled the flange on the rubber tube presses tightly

against the sound box, the latter being separated from the end of the tone arm by the width of the said flange. 50

Further, according to the present invention the neck of the sound box is adapted to be forced into the said rubber tube and to be secured therein by friction, no pin or slot engagement or similar locking device being provided between the rubber tube and the neck of the sound box. 55 60

One way of carrying out the present invention is illustrated by way of example in the accompanying drawing wherein:

Fig. 1 is a perspective view of a tone arm showing the improved insulating ring in position in the nozzle; 65

Fig. 2 is an enlarged elevation of the nozzle end of a tone arm with a sound box fitted, and 70

[Price 1/-]