No. 852,656. PATENTED MAY 7, 1907.

W. L. DENIO.

SUPPORT FOR PHONOGRAPH HORNS.

APPLICATION FILED MAR. 28, 1906.

2 SHEETS—SHEET 1.

FIG. 1.

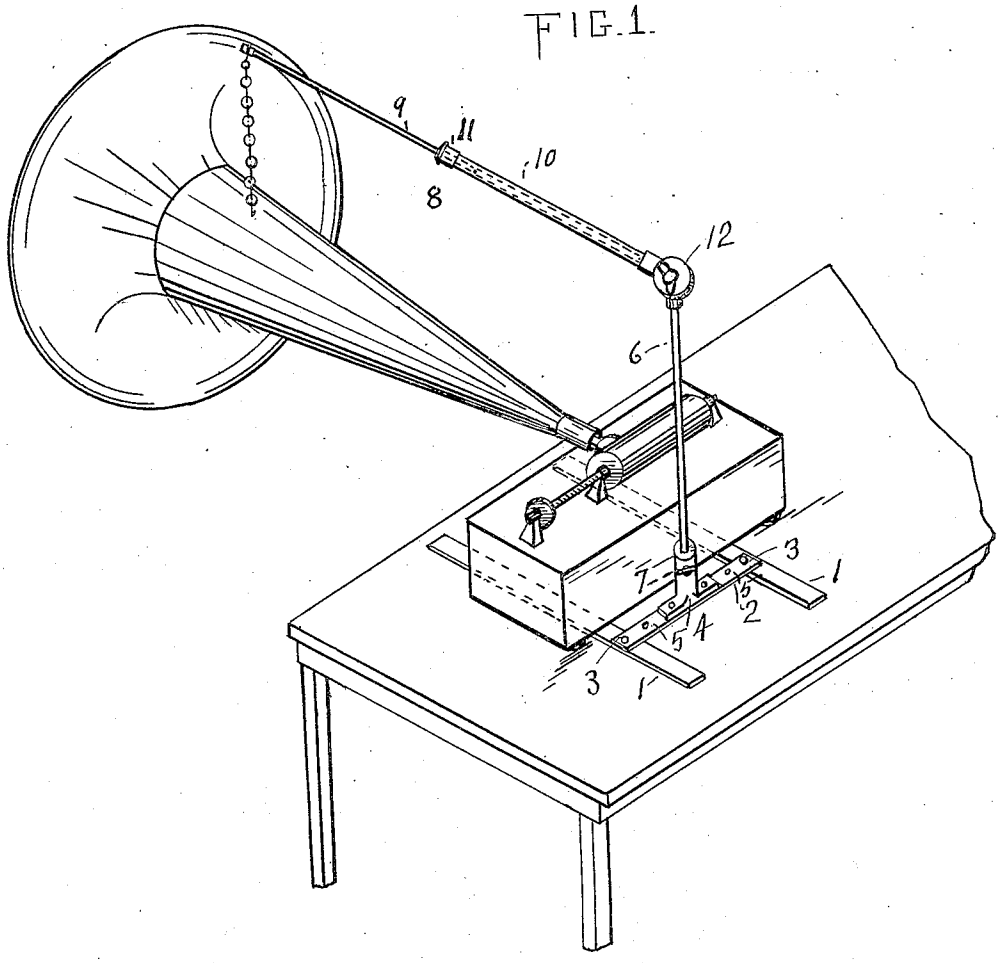



FIG. 1b.

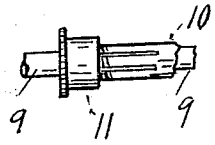
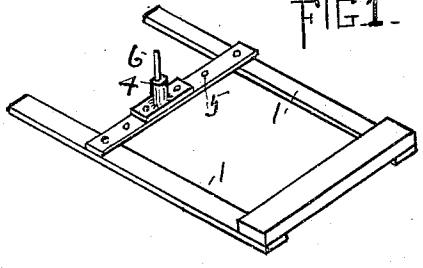



FIG. 1a.




WITNESSES

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2 SHEETS—SHEET 2.

FIG. 2.

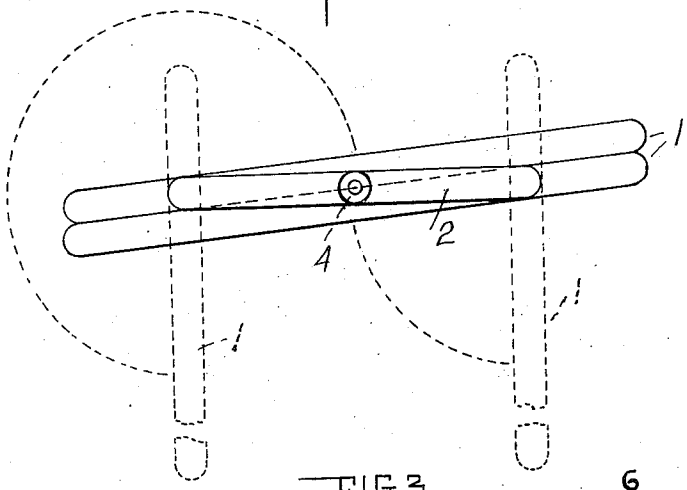



FIG. 3.

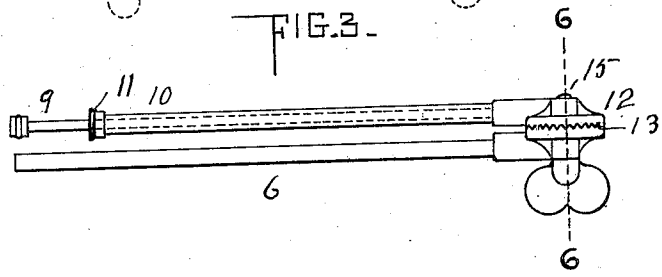



FIG. 4.

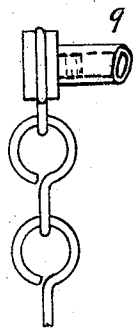
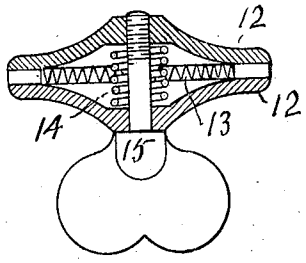



FIG. 5.



FIG. 6.




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# UNITED STATES PATENT OFFICE.

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## SUPPORT FOR PHONOGRAPH-HORNS.

No. 852,656. Specification of Letters Patent. Patented May 7, 1907.

Application filed March 28, 1906. Serial No. 308,575.

*To all whom it may concern:*

Be it known that I, WILLIAM LIVINGSTON DENIO, a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Supports for Phonograph-Horns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to a support for a phonograph horn, and has for its object to provide a simple, economically constructed device for supporting the large end of such horn in any desired plane and having a stable and easily adjusted base.

The invention consists in the construction hereinafter described and pointed out.

In the accompanying drawing which illustrates the invention and forms a part of the specification,—Figure 1 is a perspective of the support; Fig. 1[a] is a perspective of a modified arrangement of base; Fig. 1[b] is a side view of a detail; Fig. 2 is a plan of a collapsed or folded support base; Fig. 3 is a side view of two main parts above the base placed parallel to each other; Figs. 4 and 5 are views of a detail; Fig. 6 is a section on line 6—6 of Fig. 3.

The base of the support comprises two plates or members 1, connected by a third indicated by 2. This connection is by means of pivots 3. This construction provides a broad base that can be variously adjusted by moving the members about their pivot connections. The members can be partially collapsed or either of them may be adjusted to various angles with respect to the others. In the instance illustrated the two members 1 are longer than the connecting member and are arranged lengthwise the base. The relative length of these members is not however essential. Upon the base member 2 is adjustably secured a hollow base post or socket piece 4. Holes for securing this socket piece on the plate 2 in different situations are indicated by 5.

6 denotes a post fitted in the socket and rotatably supported therein, and 7 a set screw.

8 denotes an arm comprising telescoping members 9 and 10 as indicated in the drawing.

11 is a hollow thumb piece or nut internally screw threaded to engage threads on the suitably split end of the female member 10 of the arm, to bind the parts together under any adjustment of the members.

The arm member 10 and the post 6 are each provided at their proximate ends with a head 12. Their contiguous faces are roughened or serrated as indicated at 13.

14 denotes a spring seated in a chamber comprising recesses in the heads as shown.

15 is a set screw extending through one head and screwing into the other and providing a pivot connection for the post and arm. The arm can be adjusted about said pivot and then fixed in any desired position by the thumb screw. This action puts the spring under tension and in condition to separate the heads when released by the screw.

For storage or transportation the base can be collapsed as indicated in Fig. 2 and the post and arm as indicated in Fig. 3, the latter parts having been separated from the base.

The construction of the compound base is such that its parts can be variously adjusted and its weight and form are sufficient to balance the horn under ordinary conditions. If however greater stability is desired the base members can be readily weighted by the machine box or otherwise. A weight for this purpose is shown in Fig. 1[a].

It will be seen that the base can be varied in width and length by adjustment of its parts; that the third or connecting member of the base can be adjusted to different positions on the other members to provide for the exigencies of different situations; that the post can be adjusted circumferentially in its socket; that the outer end of the arm can be raised or lowered and its length suitably varied either for such adjustment or for use with horns of different lengths; and that the parts can be collapsed when not in use.

Since the post and the arm are each made adjustable in length, it is obvious that provision is thereby made for supporting horns of various sizes and at various levels. The flexible chain permits connection of the arm and horn in various situations, the point of connection between the chain and horn being capable of movement with respect to the point of its connection with the arm through

a considerable arc. Further since the case or box holds down the base without any fixed connection between the same said base can be freely moved under the case and in various directions as convenience or extreme variations in the length of the horn selected may require.

Having described the invention what I claim is,—

1. In a support for a phonograph horn, the combination of a base adapted to be arranged beneath the phonograph case, said base comprising two longitudinal members and a transverse member, the transverse member being provided with a socket and pivoted at each end to the longitudinal members intermediate their ends, and a horn-supporting crane loosely mounted in said socket.

2. In a support for a phonograph horn, the combination of a collapsible base adapted to be arranged beneath a case and consisting of three members, each of two members being separately pivoted to a third member, a horn supporting post, and means for connecting said post to one of the members of the base.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

WILLIAM LIVINGSTON DENIO.

Witnesses:
H. E. BALL,
GEO. R. SHAVER.