

No. 747,834.

PATENTED DEC. 22, 1903.

G. E. ALLEN.
PHONOGRAPH ATTACHMENT.
APPLICATION FILED MAY 18, 1903.

NO MODEL.

Fig. 1

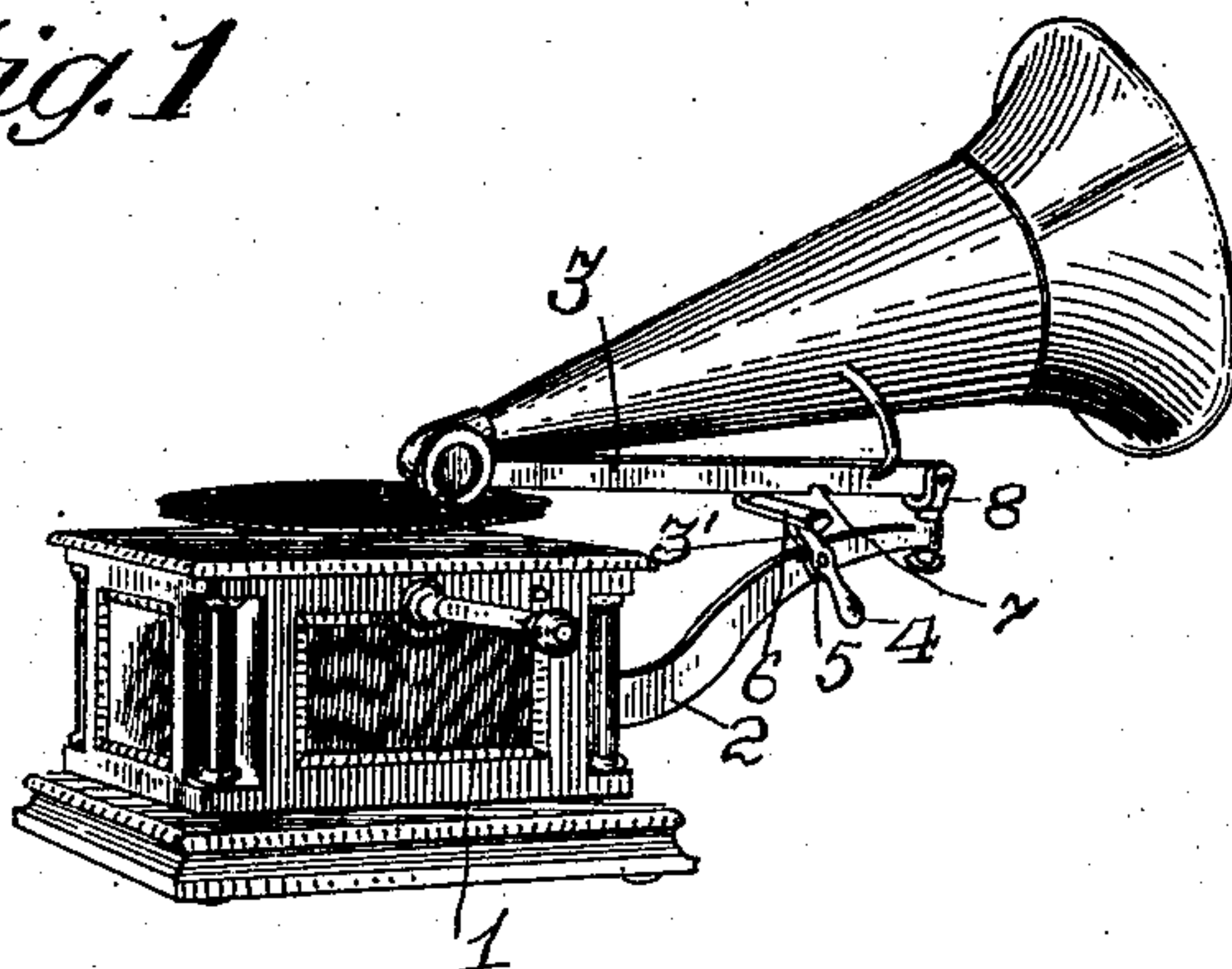


Fig. 2

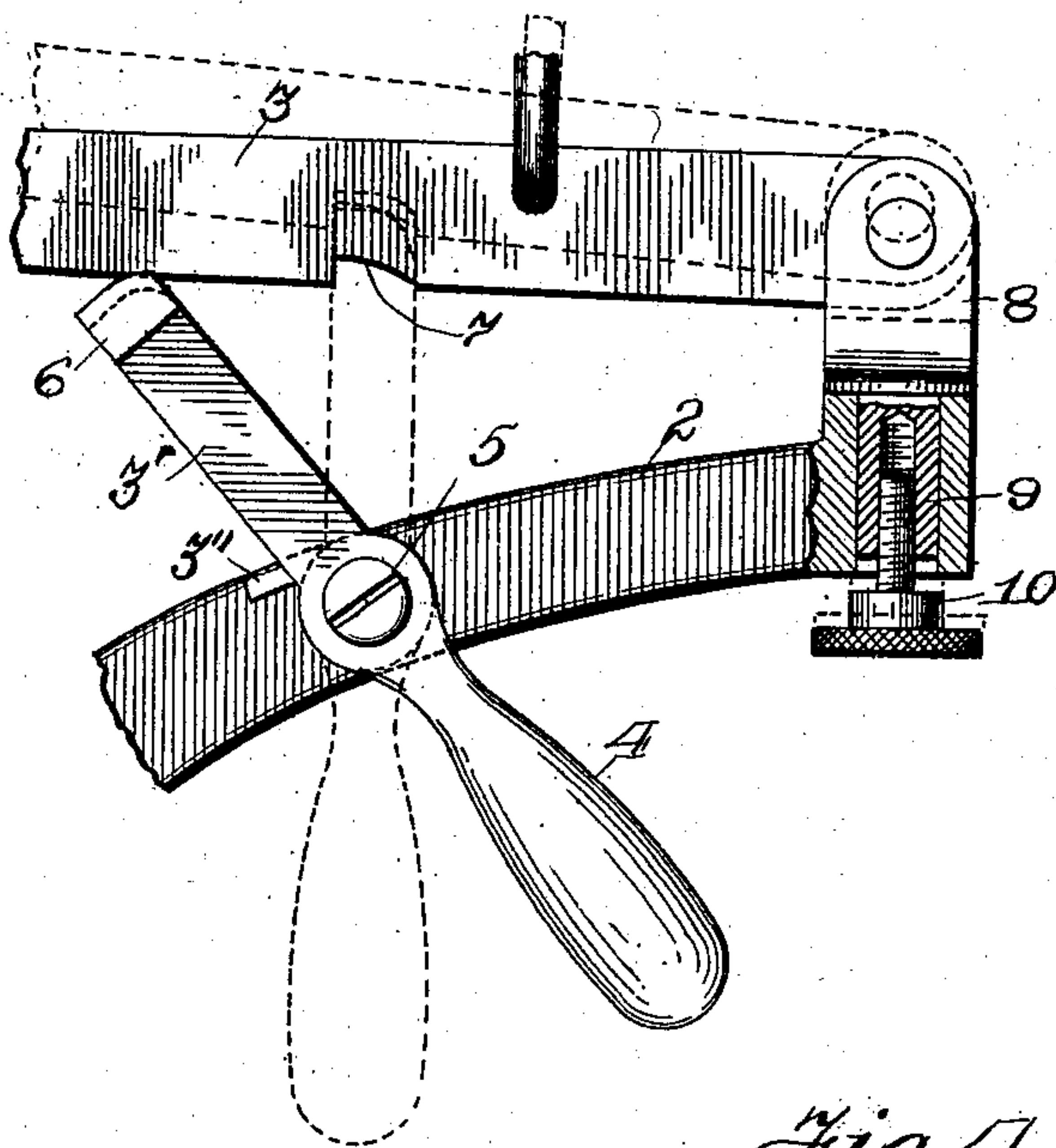


Fig. 3

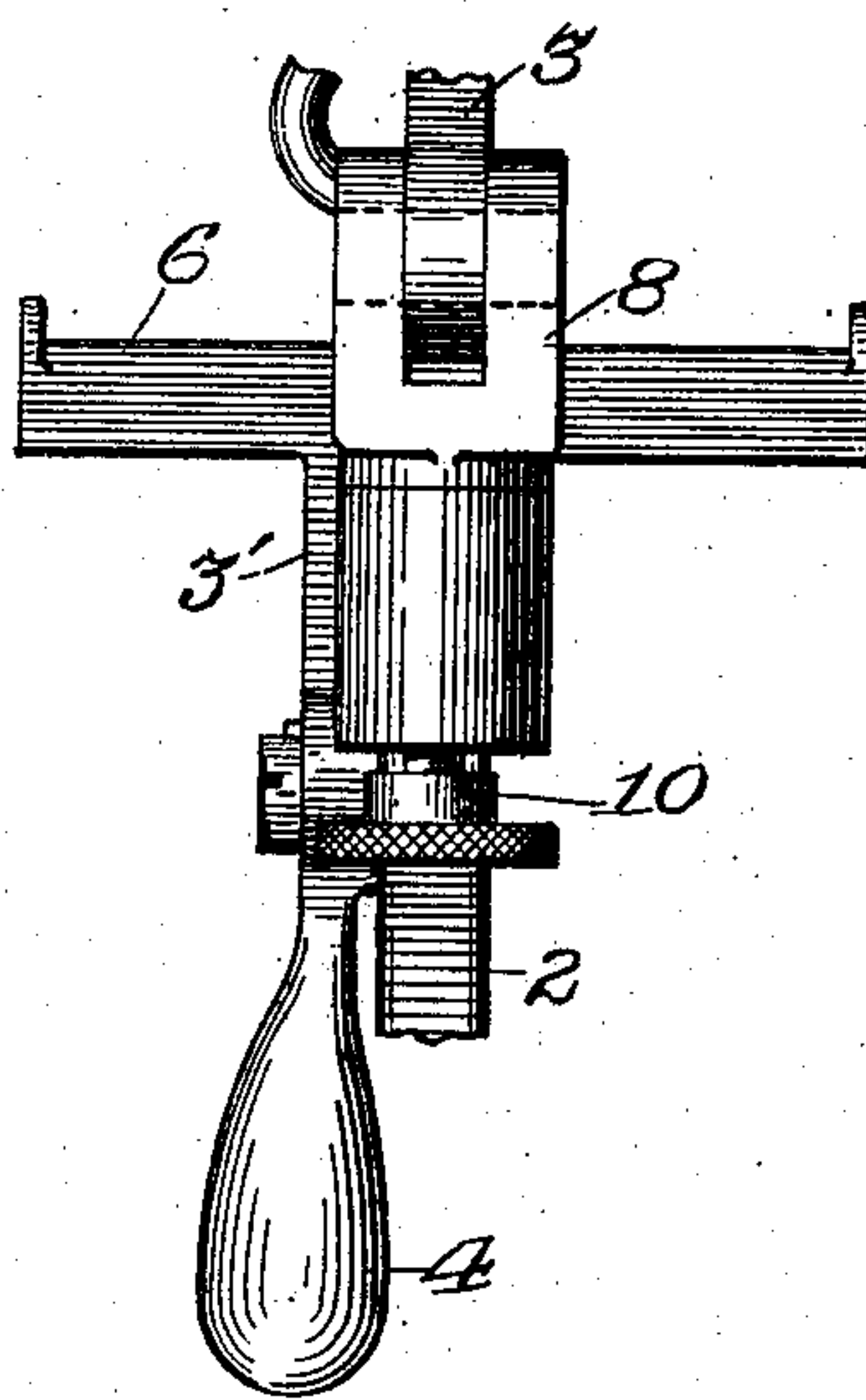
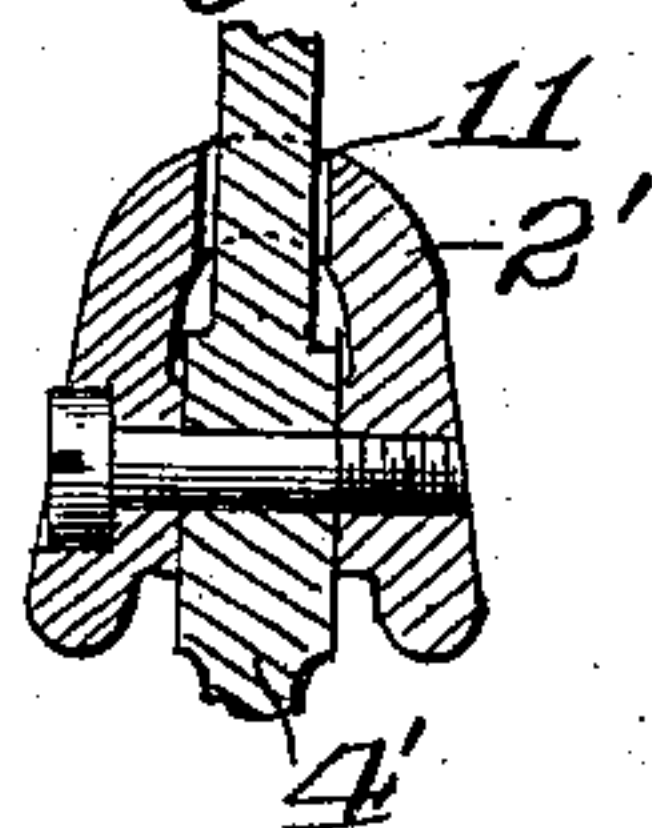


Fig. 4



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE E. ALLEN, OF PITTSBURG, PENNSYLVANIA.

PHONOGRAPH ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 747,834, dated December 22, 1903.

Application filed May 18, 1903. Serial No. 157,597. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ALLEN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Phonograph Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in phonograph attachments, and relates more particularly to an attachment for raising the horn of the phonograph on what is known as the "disk type" machine.

The object of this invention is to provide a means whereby when a selection has been completed upon the machine the reproducer and horn may be elevated from said disk without injuring the record and held in their elevated position until such time as it is desired to again lower them.

A still further object of this invention is to provide an attachment wherein the horn may be raised to any height and at any time during the lateral movement of said horn.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a perspective view of the phonograph, showing my attachment applied thereto. Fig. 2 is a side elevation of my improved device, partly in section. Fig. 3 is an end elevation thereof, and Fig. 4 is a sectional detail view of a modified form of attaching my device.

The phonograph-casing 1 has secured on one side an arm 2, which may be of the usual construction, and to the outer end of which the horn and reproducer-arm 3 are pivotally connected. On this arm 2 I provide a lever 3', having a handle 4 pivotally connected at 5 to the arm 2, and a cross-piece 6 is formed on the part 3 and adapted to engage the lower side of the arm 3 and elevate the same to position, as shown in dotted lines in Fig. 2, when

the device is operated. A notch 7 in the lower side of the arm 3 will when the part 6 is in its elevated position engage the upper side of part 6, thereby preventing its accidental displacement. The pivotal connection between the arms 2 and 3 consists of the clevis 8, in which the arm 3 is pivoted, said clevis having a hollow extension 9 extending into the arm 2, the inside of said extension 9 being screw-threaded and engaged by the thumb-screw 10. (Clearly shown in Fig. 2.) When the handle 4 is actuated, the arm 3 will be elevated; but the pivoted end thereof will only raise the distance which it is permitted to by the adjustment of the screw 10. A stop 3'' limits the movement of the lever 3', as clearly shown in Fig. 2.

In Fig. 4 the arm 2' corresponds with the arm 2, above described, and is hollow in form, and the lever 3 extends through the slot 11, formed therein.

It will be obvious that various changes may be made in the details of construction without departing from the general spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the character described, the combination with a fixed supporting-arm, for a phonograph-horn, a T-shaped elevating member pivotally connected to said arm, a loosely-mounted arm pivoted on said fixed arm, the upper portion of the T-shaped member being adapted to contact therewith, substantially as described.

2. In a device of the character described, the combination of a fixed supporting-arm, a loosely-mounted arm secured thereto, a T-shaped elevating member pivotally connected to the fixed arm of the phonograph-horn support, a stop secured to said arm to limit the movement of said member, the upper part of said member being adapted to contact with the lower edge of the movable member of the horn or support and elevate the same, a pivotal connection between said fixed and movable members whereby the vertical movement of said movable member may be

adjusted, and a notch formed on the under side of said movable member adapted to be engaged by the elevating member, substantially as described.

- 5 3. In a device of the character described, the combination with a fixed supporting-arm, and a loosely-mounted arm secured thereto, of an elevating member adapted to be pivot-

ally attached to the said fixed arm, substantially as described. 10

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

GEORGE E. ALLEN.

Witnesses:

E. E. POTTER,

H. H. BUTLER.