

1,167,266.

F. A. BUA.
MUSIC LYRE.
APPLICATION FILED FEB. 13, 1915.

Patented Jan. 4, 1916.
2 SHEETS—SHEET 1.

Fig. 1.

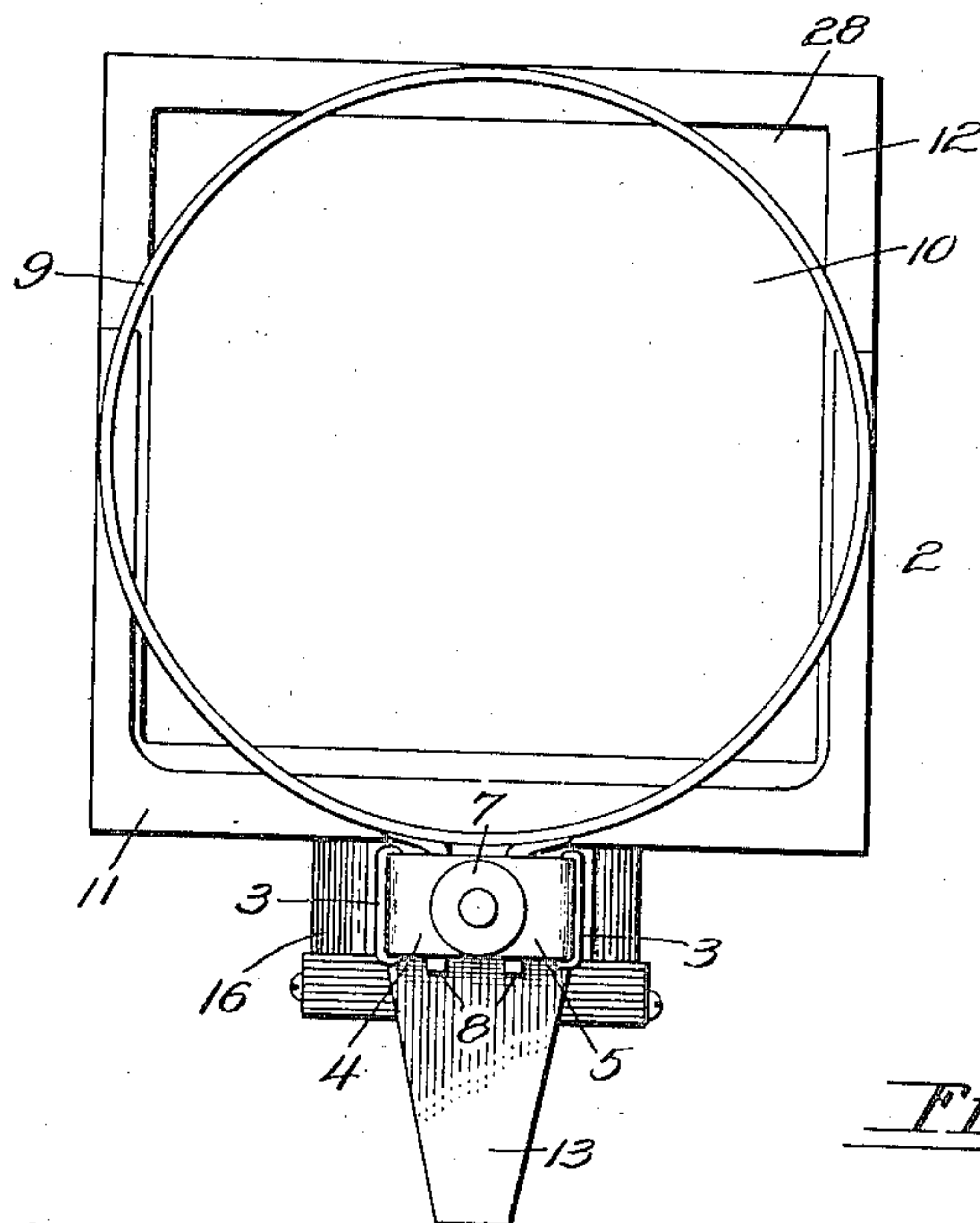


Fig. 2.

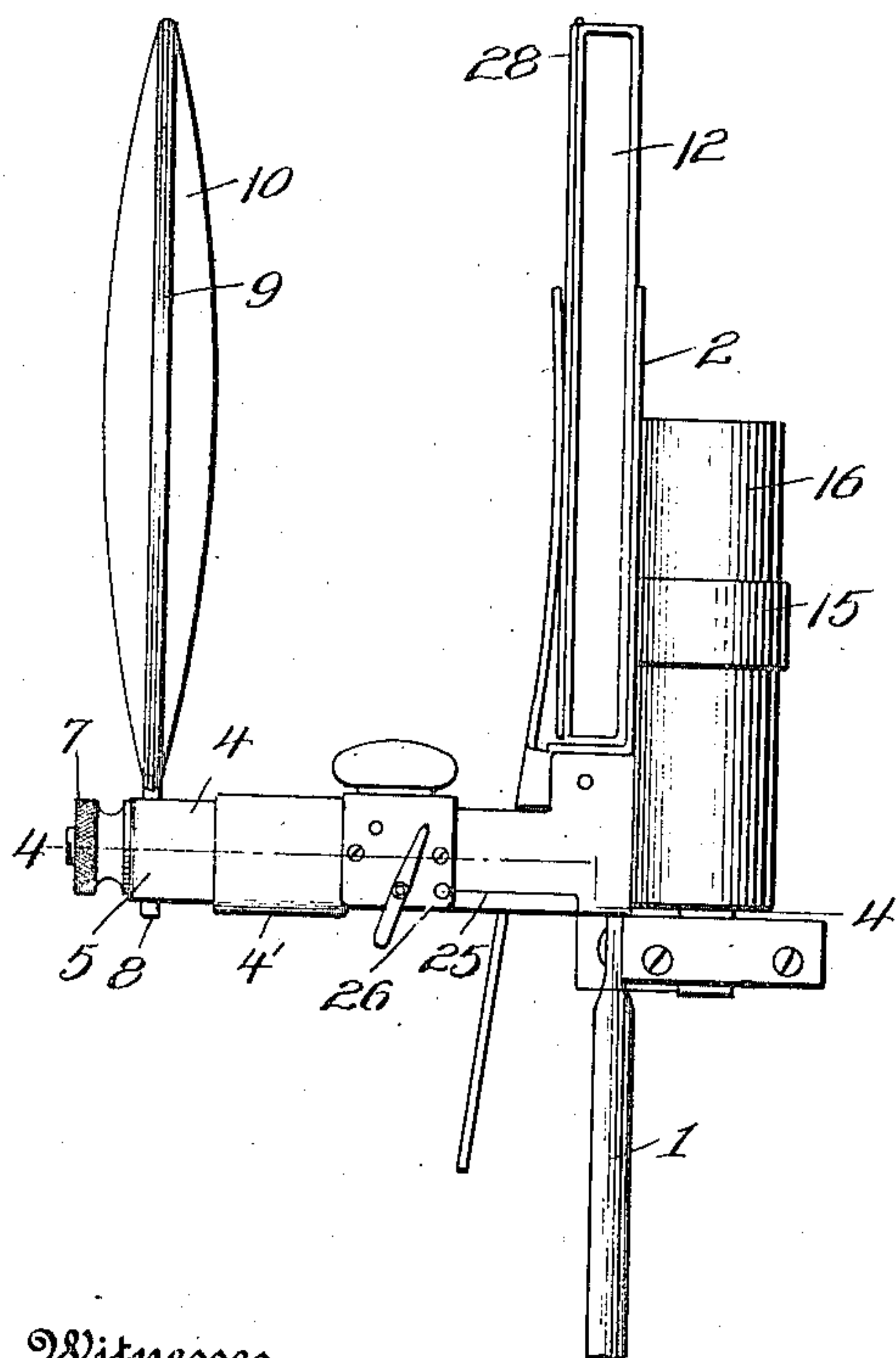
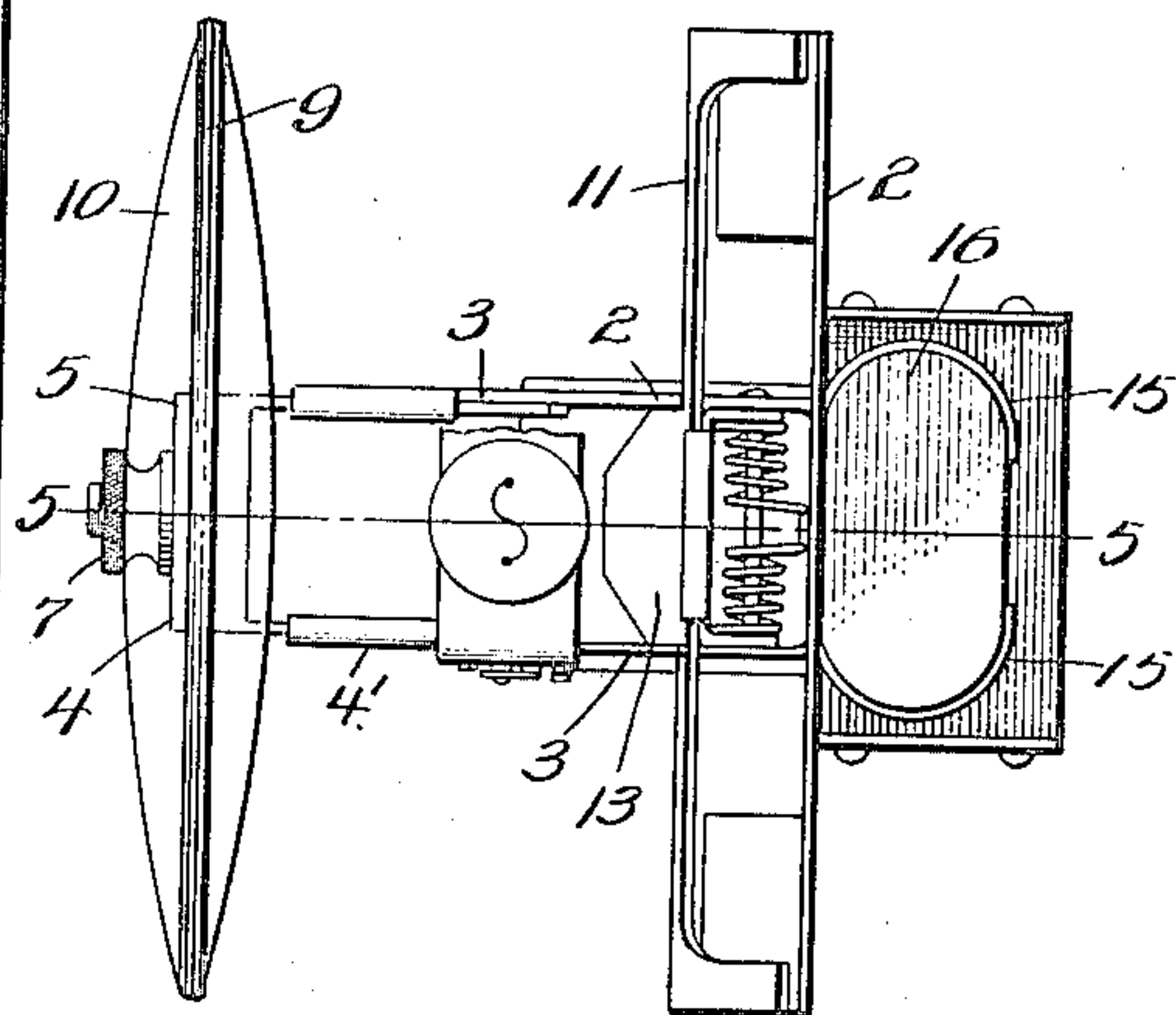


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

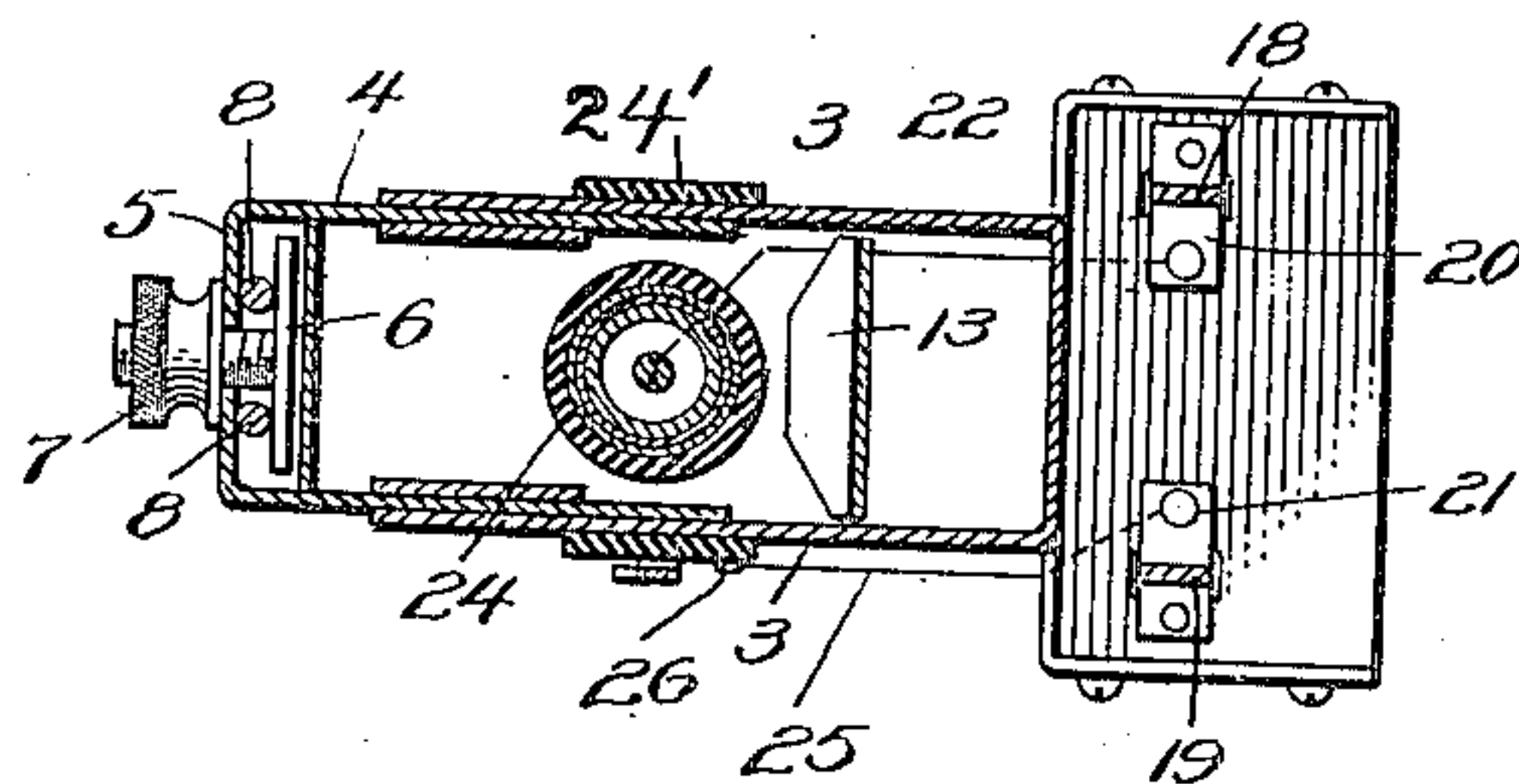


Fig. 5.

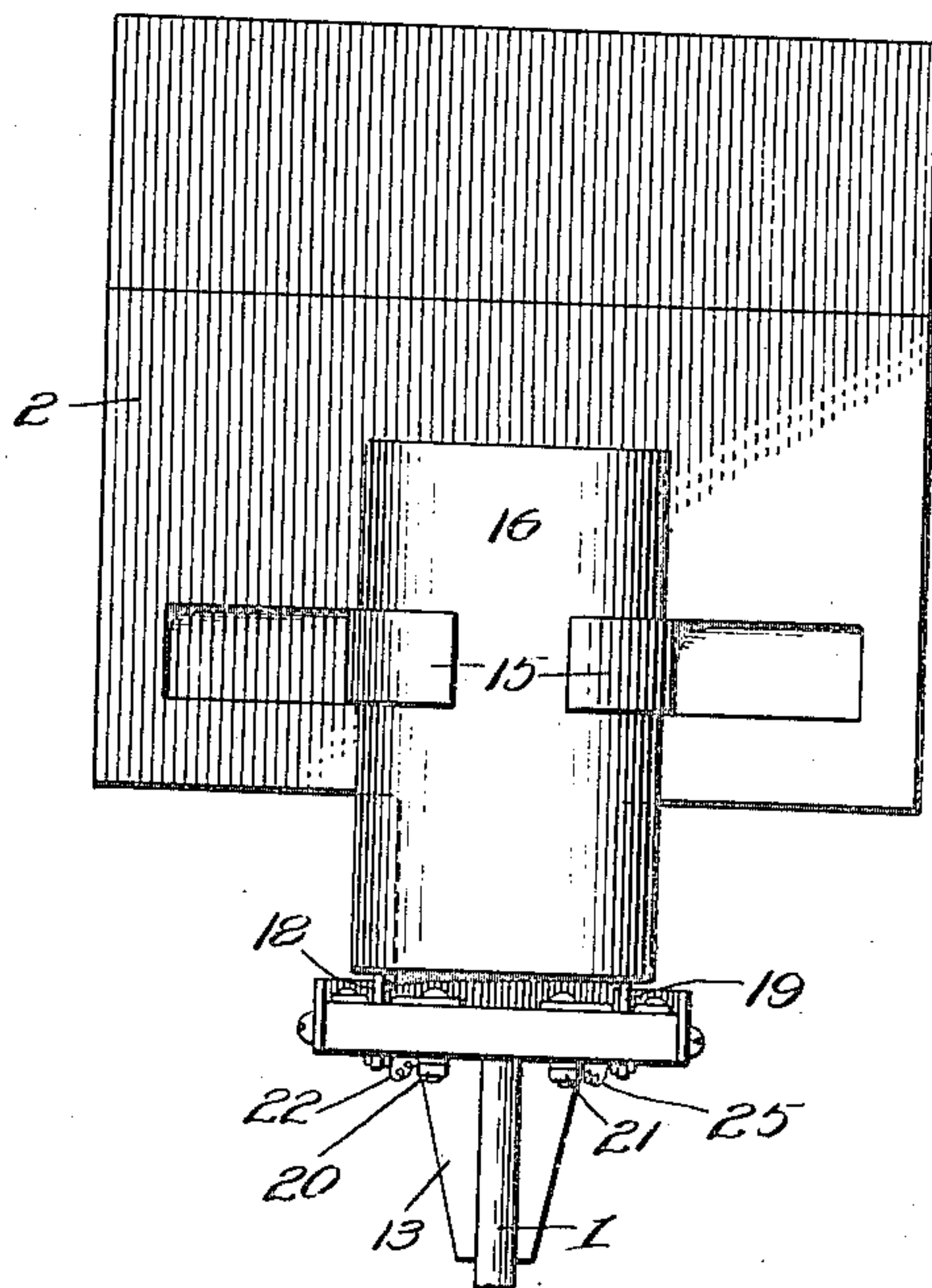


Fig. 6.

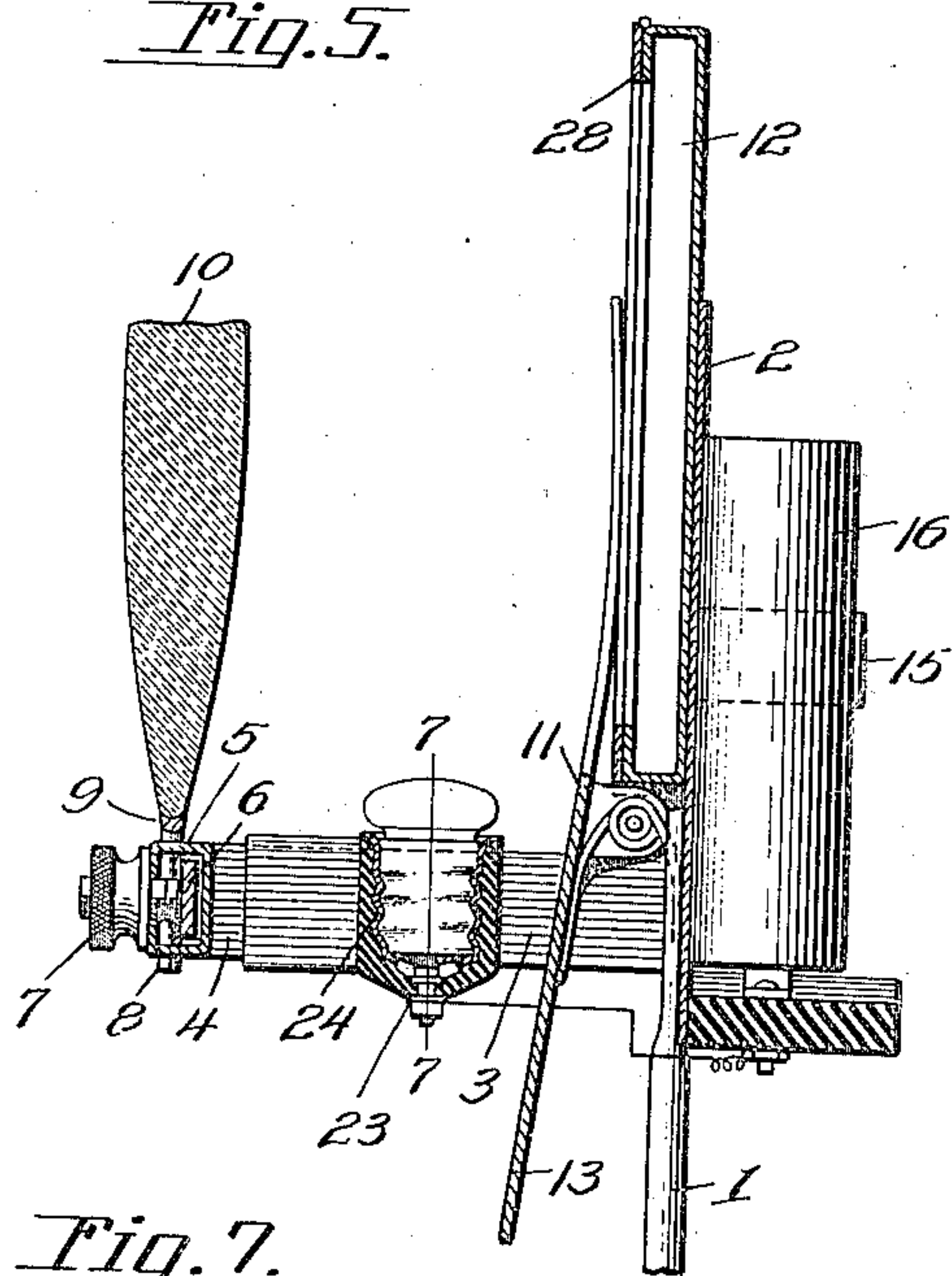


Fig. 7.

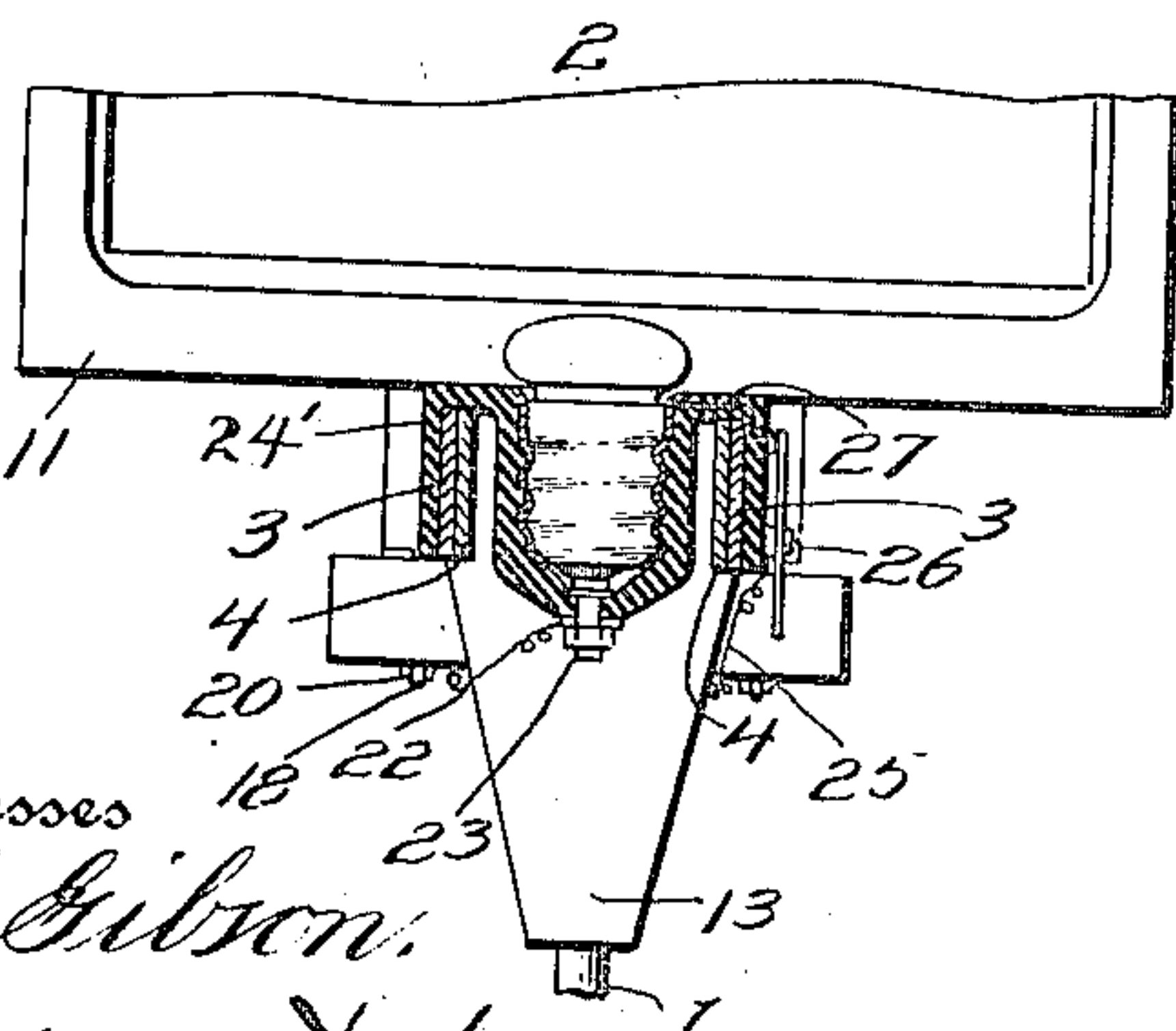
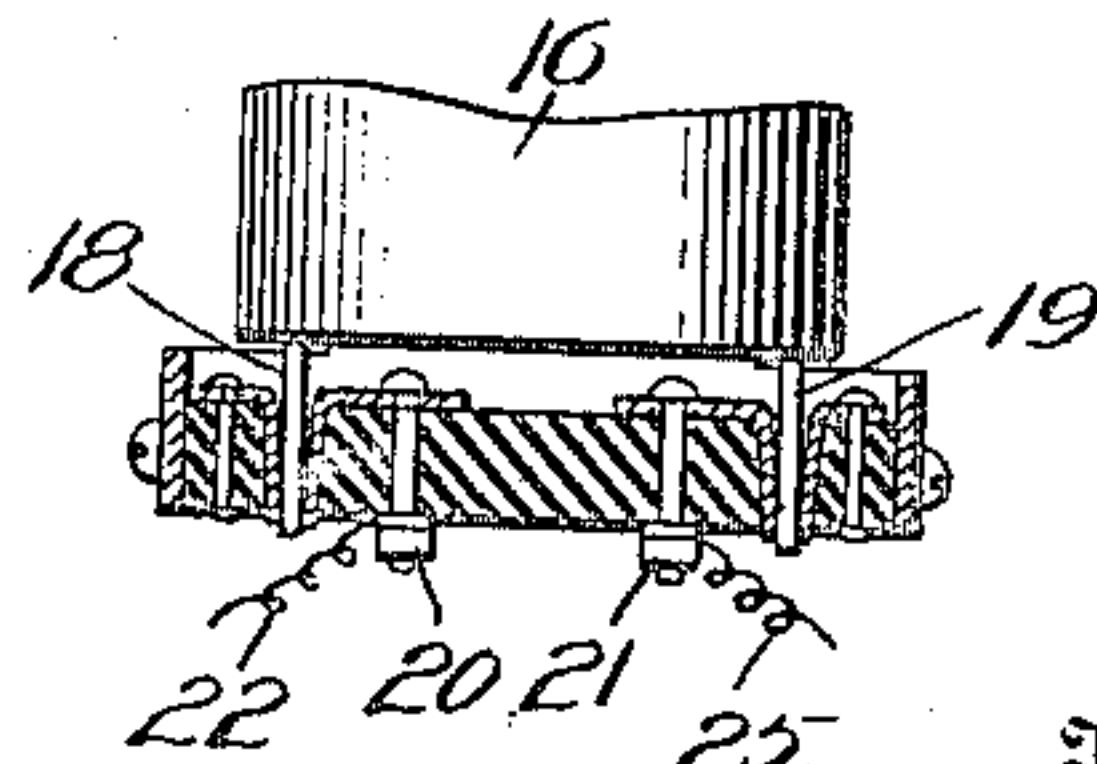


Fig. 8.



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UNITED STATES PATENT OFFICE.

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MUSIC-LYRE.

1,167,266.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed February 13, 1915. Serial No. 8,028.

To all whom it may concern:

Be it known that I, FRANK A. BUA, a citizen of the United States, residing at Lodi, in the county of Bergen and State of New Jersey, have invented new and useful Improvements in Music-Lyres, of which the following is a specification.

This invention relates to music lyres and more particularly to those adapted for use on horns of various characters.

One of the principal objects of the invention is to provide a device of this character which may be used in all kinds of weather and at all times of day, and irrespective of the condition of the weather.

A further object of the invention is to provide a device of this character having means for magnifying the notes upon the sheet music and for illuminating said notes and applying said illumination between the magnifying member and the notes.

Further objects of the invention will appear as the following description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a front elevation, Fig. 2 is a side elevation, Fig. 3 is a top plan view with the music book removed, Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 2, Fig. 5 is a vertical section taken on the line 5—5 of Fig. 3, Fig. 6 is a rear elevation, Fig. 7 is a transverse section taken on the line 7—7 of Fig. 5, and Fig. 8 is a transverse section of the platform showing the sockets for the terminals of the battery.

Referring more particularly to the drawing, 1 represents the standard to the upper end of which is connected a music supporting rack 2 having forwardly extending spaced fingers 3 in which is slidably mounted the lens supporting bracket 4, the outer extremities of each of the fingers 3 being provided with guide-ways 4' to receive the free end of the bracket 4. This bracket has a short casing 5 formed at its forward end with vertical apertures passing therethrough and arranged in the casing is a clamping jaw 6 operated by a set or thumb screw 7 to clamp upon the legs 8 of the lens frame 9. This lens frame 9 carries a lens 10 and the bracket 4 being shiftable toward and away from the music rack 2 the proper focus may be obtained, as will be readily understood.

Pivoted to the rack between the arms or fingers 3 is a clamping frame 11 arranged to

engage the music book 12 and having a depending thumb piece 13 by which the clamping frame may be released from the book so as to permit its removal or insertion when desired. Surrounding the axis of the clamping frame is a spiral spring which normally holds the clamping frame against the book, thus preventing its removal accidentally and holding it firmly in position upon the rack until the thumb piece 13 is operated.

The rack 2 is preferably constructed of sheet metal having a sufficient amount of inherent resiliency to provide spring clamping fingers or tongues 15 which are stamped up from the rack, as shown, and are adapted to clamp upon the opposite sides of a dry cell 16. This cell is supported upon a platform formed from the rack and has its electrodes 18 and 19 in engagement with the terminals 20 and 21 of an electrical circuit, one wire of which is indicated at 22 and is connected to the electrode 20 and to the base terminal 23 of a lamp socket 24 secured between the fingers 3. The lamp socket 24 is provided at its upper end or open end with diametrically arranged L-shaped arms 24' which depend from the upper end of the socket and engage the outer wall of each of the fingers thus straddling the fingers and supporting the sockets between the same. Thus it will be seen that the L-shaped arms support the sockets in a vertical position at all times and at the same time permit the sockets to be moved longitudinally upon the fingers to adjust the same with respect to the magnifying glass. The opposite wire of the circuit is indicated at 25 and is connected to the terminal 21 and to one terminal of a switch 26. The opposite terminal of this switch 26 is connected by means of a wire 27 to the wall terminal of the socket 24.

The book employed with this lyre is preferably provided with a transparent lid 28 which covers the music contained therein so that it will be protected against wind, rain or snow and can be readily lifted when the book is removed from the rack to change the music when desired.

By employing a device of this character it will be seen that music held by the light may be read under advantageous or adverse conditions whether during the day time or at night and also that the music will be unaffected by the elements. It will also be seen that by constructing the battery support in the manner shown that dry cells may be

readily removed and replaced, as desired. It will be, of course, understood that the standard is made adjustable within the mounting on the horn, as is now customary.

3 What is claimed is:—

1. A music lyre comprising a supporting standard, a music rack carried by said standard, parallel spaced fingers formed on said rack and extending laterally therefrom, the
13 outer extremities being bent to form guideways, a bracket slidably mounted in said guideways, and a magnifying glass adjustably mounted on said bracket.

2. A lyre comprising a supporting stand-
15 ard, a music rack vertically arranged on the outer extremity of said standard, fingers formed on said rack adjacent the music rack and extending at right angles from said music rack, a clamping frame pivotally
20 mounted between said fingers and engaging said music rack, a handle formed on said clamping frame and extending through said

rack, a bracket slidably mounted on said rack, and a magnifying glass mounted on said bracket.

3. A music lyre comprising a supporting standard, a music rack carried by said standard, a platform formed on said rack, terminals mounted in said platform, an electric
25 battery mounted on said platform and having the electrodes thereof engaging said terminals, spaced fingers mounted on said rack and extending laterally therefrom, an electric light socket having depending L-shaped
30 arms formed thereon, said arms straddling the said fingers, a bracket slidably mounted on said rack, and a magnifying glass mounted on said bracket.

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

FRANK A. BUA.

Witnesses:

CHARLIE A. BUA,
JOSEPHINE KERR.