No. 778,492. PATENTED DEC. 27, 1904.

E. R. JOHNSON.

TURN TABLE FOR TALKING MACHINES.

APPLICATION FILED MAR. 14, 1902.

Fig 1.

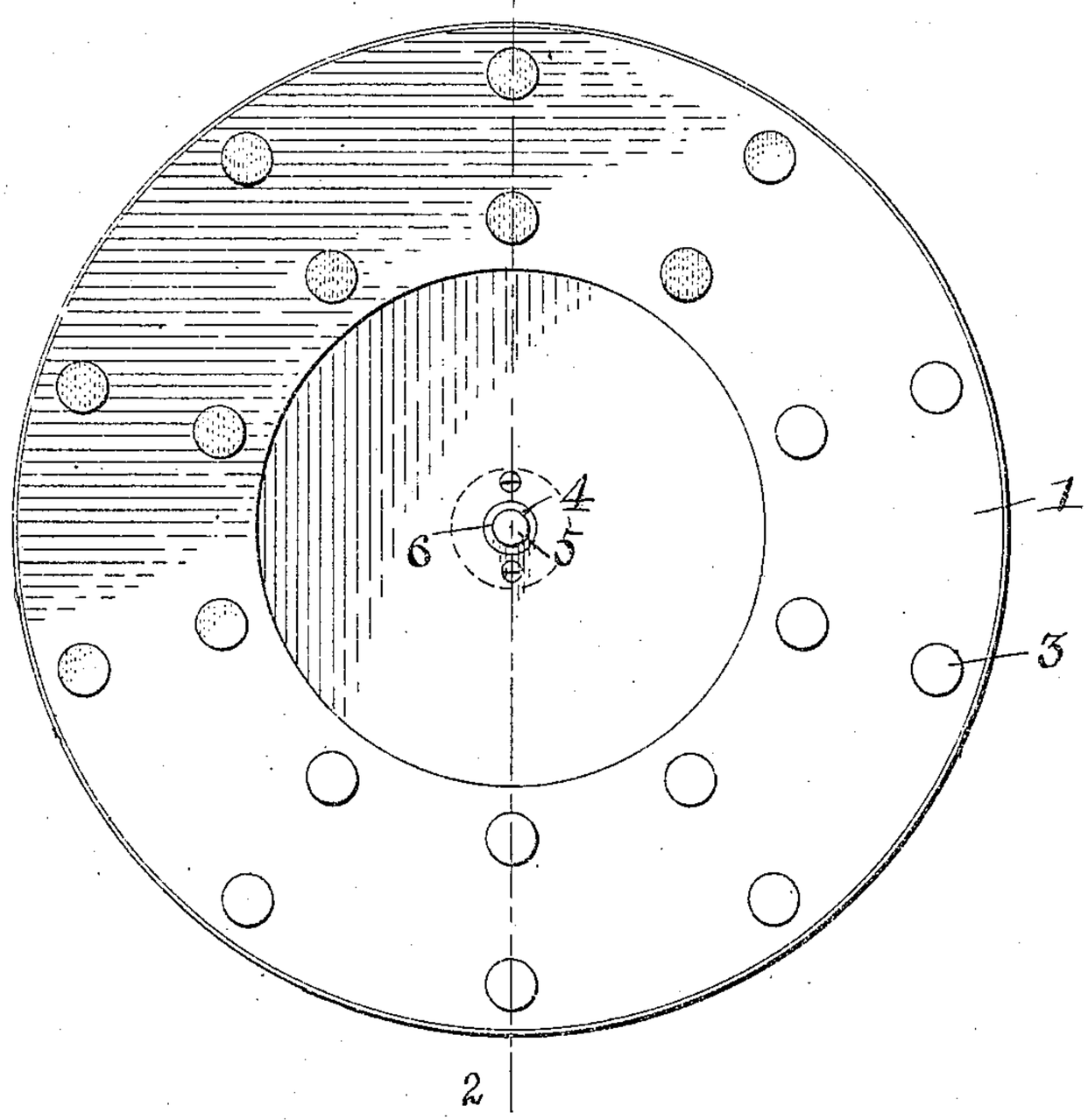
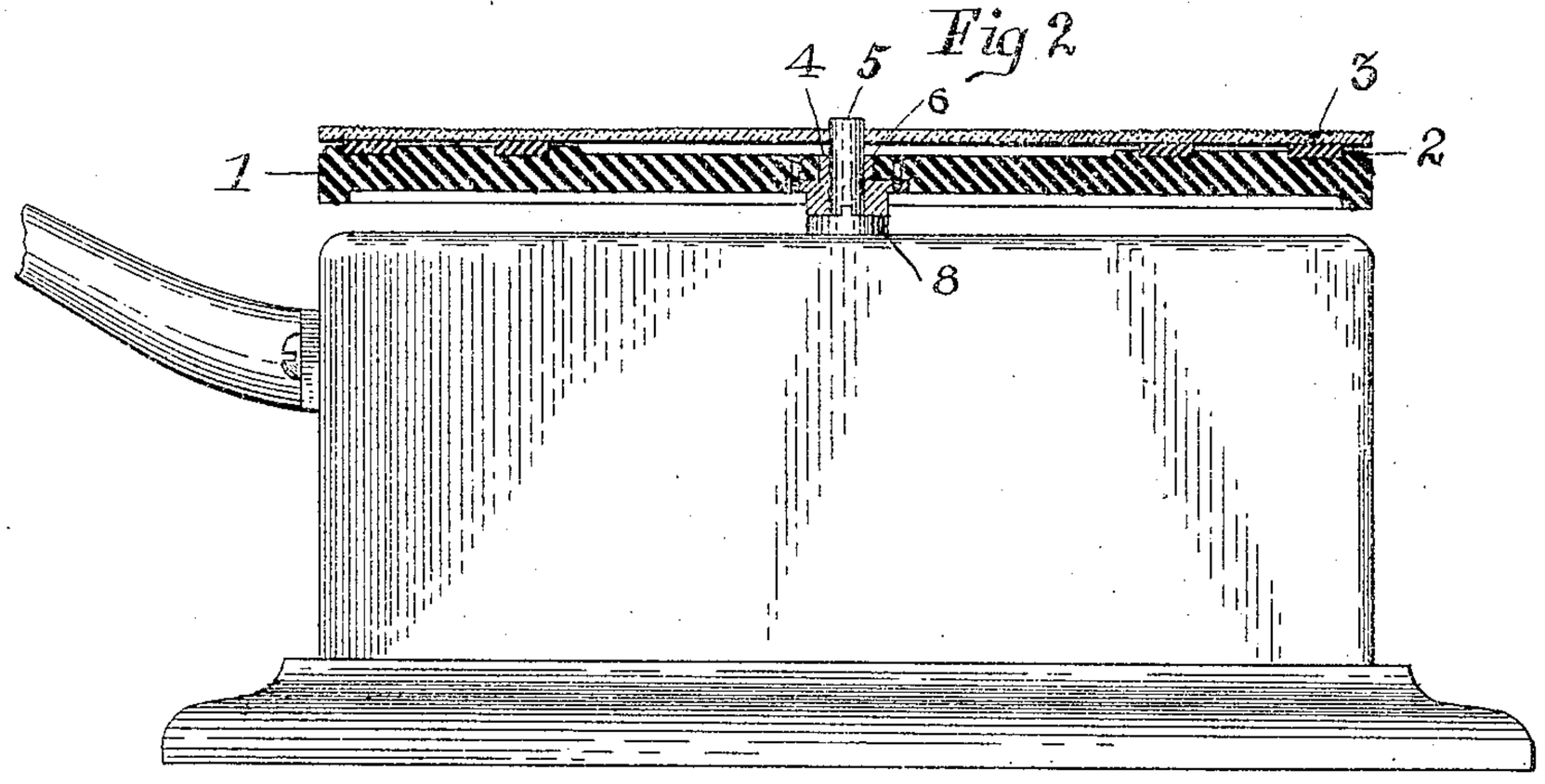


Fig 2.



WITNESSES:

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No. 778,492. Patented December 27, 1904.

UNITED STATES PATENT OFFICE.

ELDRIDGE R. JOHNSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO VICTOR TALKING MACHINE COMPANY, A CORPORATION OF NEW JERSEY.

TURN-TABLE FOR TALKING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 778,492, dated December 27, 1904.

Application filed March 14, 1902. Serial No. 98,157.

To all whom it may concern:

Be it known that I, ELDRIDGE R. JOHNSON, a citizen of the United States, residing at Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Turn-Tables for Talking-Machines, of which the following is a full and complete disclosure.

In general my invention consists in providing a turn-table which will have the record carried thereby held without the aid of screws, clamps, or other fastening means; and it also consists in providing a table of such a construction that its efficiency is increased, with its weight and cost of manufacture decreased.

For a full and detailed description of my invention reference may be had to the following specification and to the accompanying drawings, in which—

Figure 1 is a plan view of the turn-table; and Fig. 2 is a sectional view of the same, taken on the line 2 2 of Fig. 1, but also showing the motor-casing in elevation.

In the figures, 1 indicates the turn-table. In this instance the turn-table is made of some suitable light but durable material, such as hard rubber, duranoid, celluloid, &c.

2 indicates recesses in the table, which recesses carry small pieces or pads 3 of soft rubber or other similar material. These pads are cemented or otherwise retained in said recesses in any suitable manner. A suitable number of these pads or friction-disks are arranged upon the surface of the turn-table to give the required frictional hold upon the record-disk and at the same time support the disk at the requisite number of points.

A suitable metallic bushing 4 is fastened in an opening 6 in the turn-table at its center and is retained in position by any well-known means, here shown as a flange and screws. This bushing is adapted to fit over the central stud 5 of the driving-spindle 8, which is adapted to be rotated by a motor energized by electricity, springs, or by hand, as choice determines.

It will be apparent that it is only necessary to place the record upon the turn-table with the stud 5 passing through the central opening in the same in order that the record may be in position to reproduce the sound-waves. The peculiar friction resulting from the small disks not only positively carries the record with the table, but also allows the former to yield slightly. This form of table also has the advantage over the usual plain pad of felt, rubber, or other frictional material in that no air is confined between the surface of the table and record to reduce the frictional hold between the same.

Minor changes in detail may be made by one skilled in the art without affecting the spirit of my invention, and I do not wish to be limited to the exact form and arrangement of parts as herein set forth; but

What I claim, and desire to protect by Letters Patent, is—

1. A turn-table for talking-machines, comprising a rotatable disk, of light non-metallic material having a plurality of series of recesses at intervals in its upper surface, flat pads of soft rubber secured in said recesses, to project from said surface, substantially as described.

2. A turn-table for talking-machines comprising a rotatable disk of duranoid, having a plurality of series of recesses at intervals in its upper surface, small disks of soft rubber secured in said recesses, to project from said surface, substantially as described.

3. In combination, a turn-table for talking-machines comprising a rotatable disk having a plurality of series of recesses at intervals in its upper surface, small disks of soft rubber secured in said recesses, to project from said surface, and a sound record-disk carried by said table, substantially as described.

In witness whereof I have hereunto set my hand this 10th day of March, A. D. 1902.

ELDRIDGE R. JOHNSON.

Witnesses:

S. V. COXETTER,

J. K. MUNNERLYN.