J. C. ENGLISH.

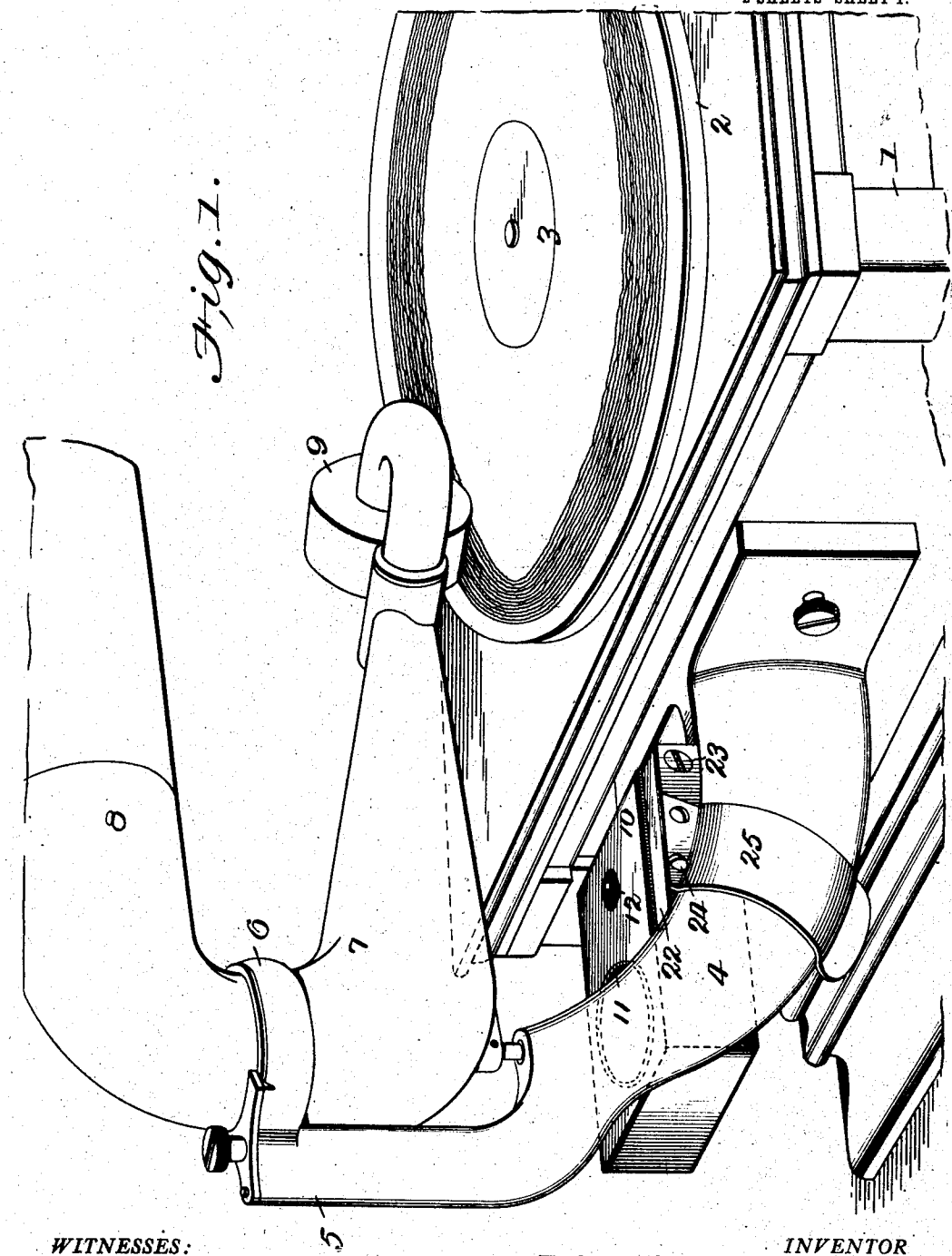
NEEDLE RECEPTACLE FOR TALKING MACHINES.

APPLICATION FILED MAY 8, 1906.

1,011,420. **Patented Dec. 12, 1911**

2 SHEETS—SHEET 1.

Fig. 1.



WITNESSES:

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2 SHEETS—SHEET 2.

Fig. 2.

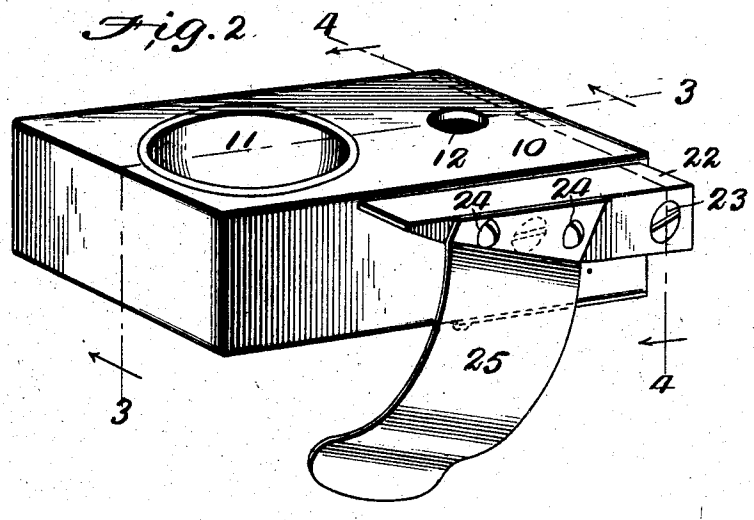


Fig. 3.

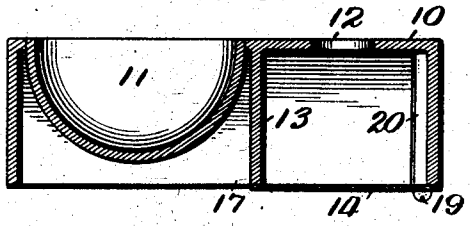


Fig. 4.

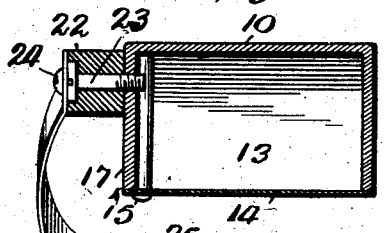


Fig. 5

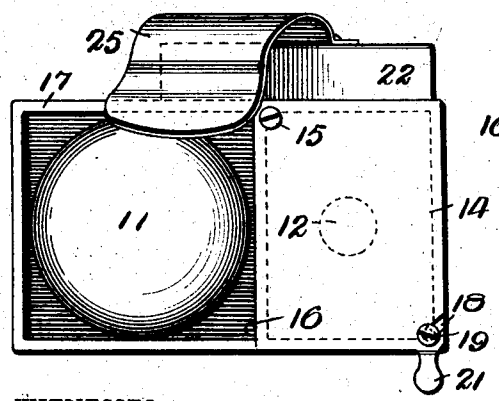
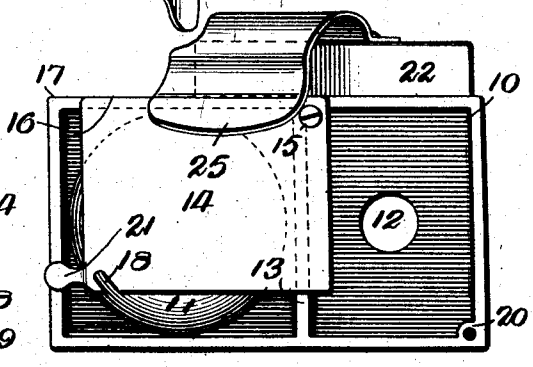


Fig. 6.



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UNITED STATES PATENT OFFICE.

JOHN C. ENGLISH, OF CAMDEN, NEW JERSEY, ASSIGNOR TO VICTOR TALKING MACHINE COMPANY, A CORPORATION OF NEW JERSEY.

NEEDLE-RECEPTACLE FOR TALKING-MACHINES.

1,011,420. Specification of Letters Patent. Patented Dec. 12, 1911.

Application filed May 8, 1906. Serial No. 315,772.

To all whom it may concern:

Be it known that I, JOHN C. ENGLISH, a citizen of the United States, and a resident of the city of Camden, State of New Jersey, have invented certain new and useful Improvements in Needle-Receptacles for Talking-Machines, of which the following is a full, clear, and complete disclosure.

My invention relates to receptacles for holding needles, and particularly to receptacles adapted to be attached to talking machines.

One of the objects of my invention is to construct a needle receptacle which will facilitate the separate storage of used and unused needles, and which may be easily attached to a talking machine in such a position as to be at all times accessible to the operator.

Further objects of my invention are, to provide a needle receptacle adapted to be attached to the supporting bracket of a talking machine; to provide a needle receptacle having a readily accessible compartment for the unused needles, and also a compartment for worn needles, and having convenient means for the removal of worn needles; and to provide other improvements as will appear hereinafter.

In the accompanying drawings, Figure 1 is a perspective view showing a needle receptacle constructed in accordance with this invention, secured in convenient position on a talking machine; Fig. 2 is a perspective view of said needle receptacle detached; Fig. 3 is a central vertical longitudinal section of said needle receptacle taken on the line 3—3 in Fig. 2; Fig. 4 is a transverse vertical sectional view of said receptacle taken on the line 4—4 in Fig. 2; Fig. 5 is an inverted plan view of said receptacle showing the swinging door or closure for the receptacle in its closed position; and Fig. 6 is a view similar to Fig. 5, but showing the swinging door in its open position and the locking screw removed.

Referring to the drawings, one embodiment of this invention is shown attached to the usual talking machine comprising the usual motor cabinet, above which revolves the usual turn-table 2, and upon which is carried the sound record 3. Attached to one side of the motor cabinet 1 is the usual supporting bracket 4, having an upper end 5, rigidly attached to which is a ring 6. Journaled to swing in a horizontal plane in said ring is the hollow arm portion 7 of the amplifying horn. The bell portion 8 of said horn is journaled to the upper end of said ring, and is also swung in a horizontal plane. To the outer extremity of the hollow arm 7 is attached the sound box 9, which cooperates with the record.

The needle receptacle is preferably rectangular in shape and may be made of brass or any other suitable metal or material. Within one end of the top plate 10 of the receptacle is located an open basin or compartment 11 which is preferably substantially semi-spherical in order that the unused needles which it is adapted to hold, may be readily drawn therefrom. The invention, however, is not confined to a semi-spherical compartment for this purpose, as the same may be of any configuration, but preferably should have a continuous uninterrupted surface from one edge to the other in order that the needles will meet no obstructing crevices or corners in being drawn therefrom. The other end of the top plate 10 of the receptacle contains an aperture 12 opening downwardly into a closed compartment, the inner side of which is formed by a transverse vertical partition 13, and the underside of which is open forming an outlet adapted to be closed by a swinging horizontal cover or door 14. This door 14 is rectangular in shape to conform to the shape of the compartment of which it forms the bottom, and is journaled on a vertical screw 15, which passes loosely through one of its inner corners, and is threaded upwardly into the casing, thus enabling the door to be swung in its own plane, so that its inner edge 16 will be flush with the outer surface of the inner side 17 of the casing, as shown in Fig. 6. For limiting the closing movement of the cover 14 and securing it in its closed position, said cover is provided with a slot 18 in the edge thereof, arranged to engage a locking screw 19, which is threaded upwardly in a socket 20 in the casing. Said swinging cover 14 is provided adjacent to the slot 18 with a handle 21, formed integral therewith for swinging the cover upon its axis.

For attaching the receptacle to the supporting bracket 4 of the talking machine, a bar 22 is secured by means of screws 23 and 24—24 to the inner side 17 of the casing,

the upper surface of the bar being substantially flush with the upper surface of the top plate 10. The under side of this bar is curved to conform to the upper side of the bracket 4 of the talking machine, as shown in Fig. 1. Secured also by the screws 24—24 to the outer side of the bar is a downwardly depending oblique spring plate 25, which is adapted to be sprung around the supporting bracket 4 to hold the needle receptacle against the cabinet 1 and the supporting bracket 4.

From the above description, it is apparent that the needle receptacle may be readily attached or detached from the talking machine, and at the same time is so situated when attached thereto that the fresh needles are readily accessible when desired for use, the open compartment 11 being filled with a suitable number of the same.

It may be observed that in changing needles, the worn needle, by reason of the fact that the aperture 12 in the compartment for worn needles is adjacent to the open compartment 11, and between the sound box and said open compartment, may be quickly dropped through said aperture 12, and the hand of the operator quickly passed along to the compartment 11, from which an unused needle may be taken. When the compartment or closed receptacle beneath the aperture 12 becomes filled or partly filled with worn needles, to remove the same it is merely necessary to swing the under cover 14, as heretofore described, to its position shown in Fig. 6, thus causing all the worn needles to drop into any suitable receptacle or on to any suitable support as desired. Of course, it is obvious that the aperture 12 may be dispensed with, and the entire compartment for the worn needles be left open at the top. The under cover 14 may also be dispensed with, and needles emptied from the casing through any other opening.

While I have described a specific structure of needle receptacle, the details of which possess merits in themselves, yet I do not wish to confine myself to the exact receptacle herein illustrated or described, but reserve the right to utilize any other form of receptacle which will perform a similar function, provided that the same is within the scope of my invention, as set forth in the appended claims.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent of the United States is:—

1. A needle receptacle for talking machines arranged to be detachably supported on a talking machine bracket, a bar carried by said receptacle for maintaining it substantially horizontal on said bracket, and a spring clasp coöperative with said bar for maintaining said receptacle thus supported.

2. A needle receptacle for talking machines, arranged to be detachably supported on a talking machine bracket, a bar projecting laterally from said receptacle for maintaining said receptacle substantially horizontal on said bracket, and a spring clasp coöperative with said bar for detachably retaining said receptacle on said bracket with said bar engaged therewith.

3. A needle receptacle for talking machines, provided with a member attached to said receptacle and having its under side arranged to engage the upper surface of a supporting bracket of a talking machine, and a spring plate secured to said member and adapted to clamp the same to said bracket.

4. A needle receptacle for talking machines, a bar attached to one side of said receptacle having its under side extending obliquely of the receptacle to conform to the upper surface of a supporting bracket of a talking machine, and a spring plate secured to said bar for attaching said receptacle to said bracket.

5. A needle receptacle for talking machines, a bar attached to said receptacle and having its under side shaped to conform to the upper surface of a supporting bracket of a talking machine, and a spring plate secured to said bar for attaching said receptacle to said bracket.

In witness whereof, I have hereunto set my hand this seventh day of May, A. D. 1906.

JOHN C. ENGLISH.

Witnesses:

WILLER A. HOLDEN,

ALSTON B. MOULTON.