

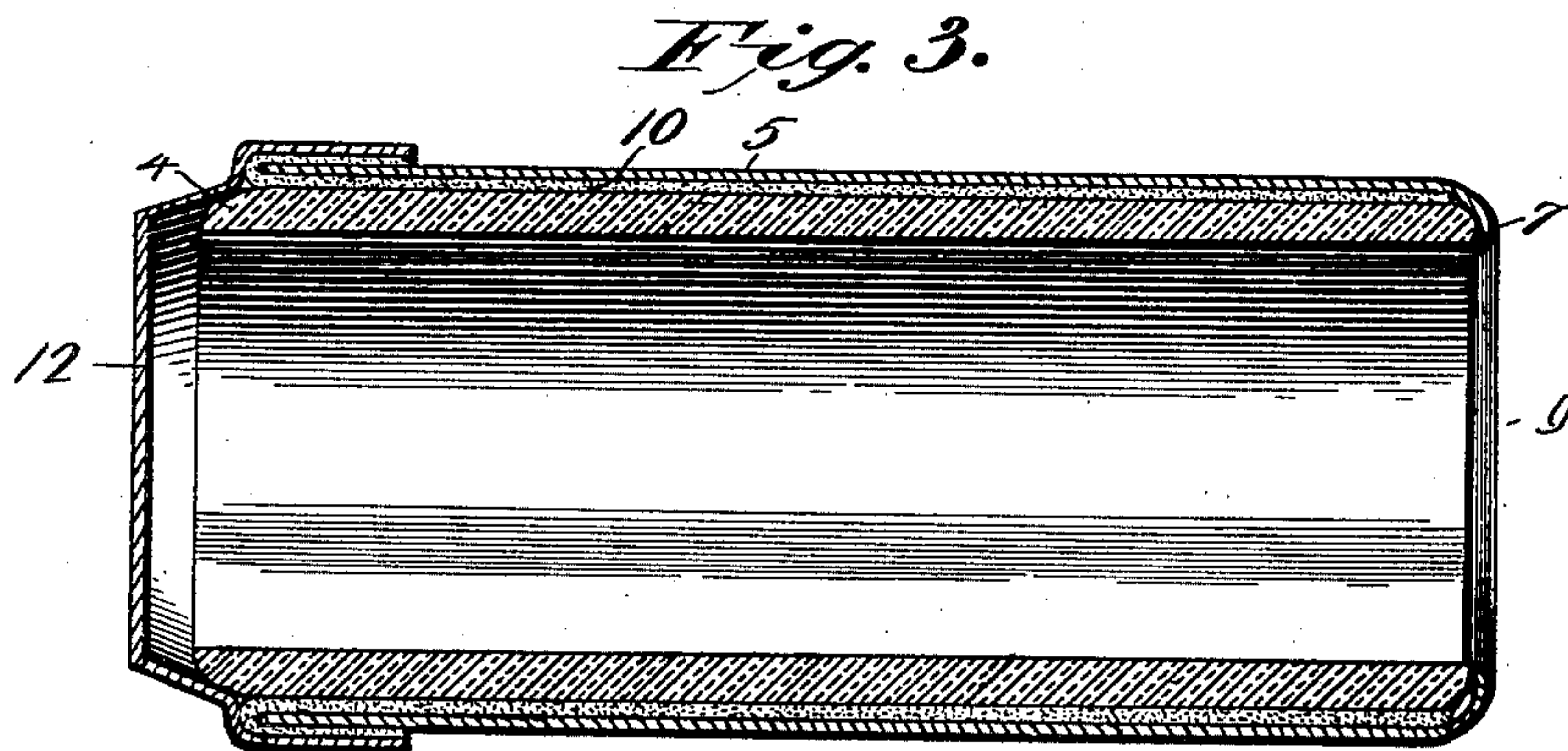
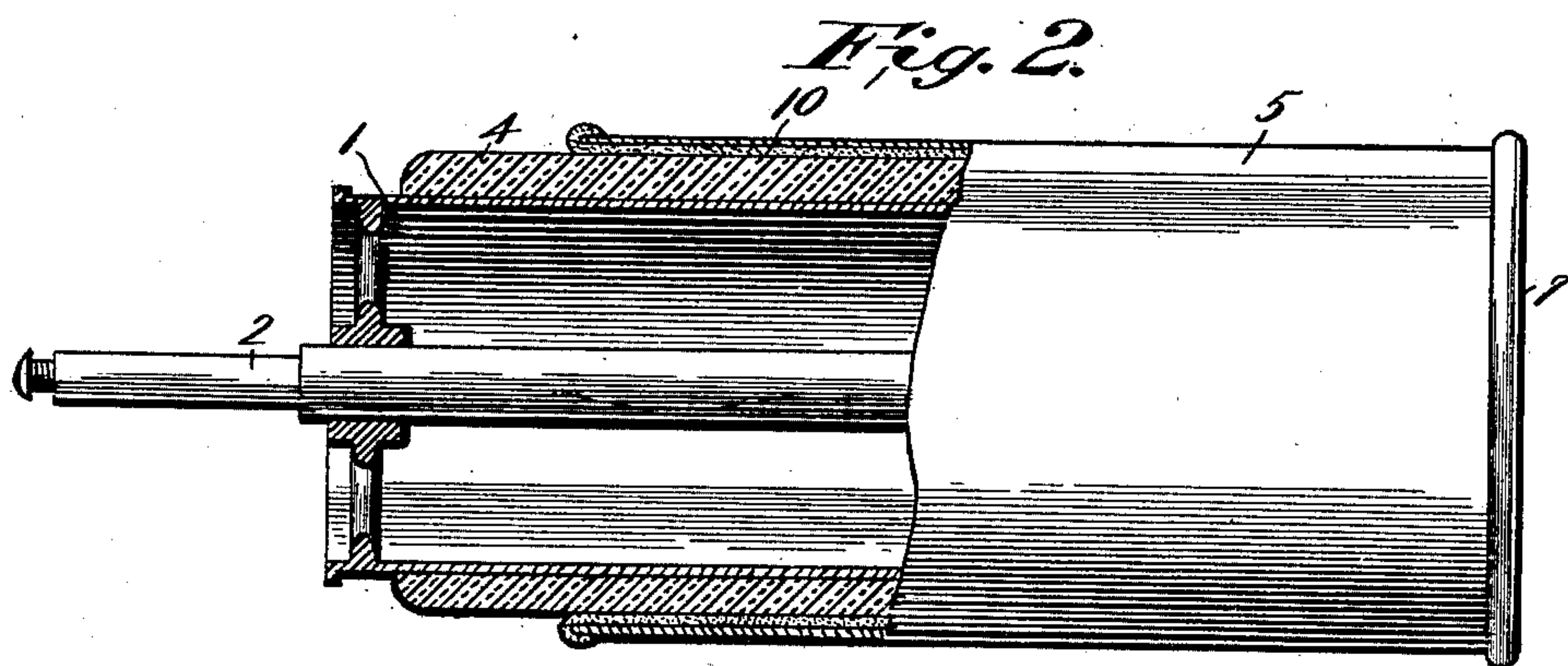
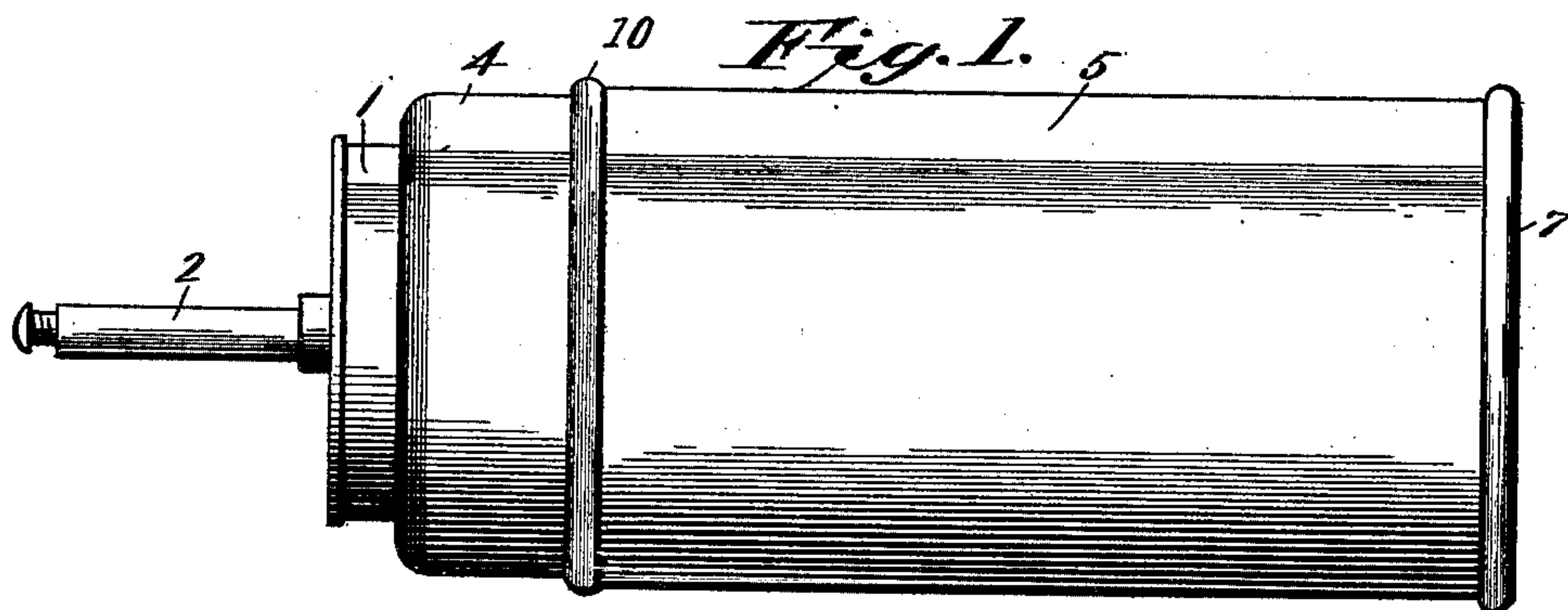
No. 686,968.

Patented Nov. 19, 1901.

J. R. HARE.
BOX FOR PHONOGRAPH RECORDS.

(Application filed July 5, 1901.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN R. HARE, OF BALTIMORE, MARYLAND.

BOX FOR PHONOGRAPH-RECORDS.

SPECIFICATION forming part of Letters Patent No. 686,968, dated November 19, 1901.

Application filed July 5, 1901. Serial No. 67,114. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. HARE, of the city of Baltimore, in the State of Maryland, have invented certain Improvements in Boxes for Phonograph-Records, of which the following is a specification.

This invention consists in an improved removable protective covering for a phonograph-record, which is a holder for the record when the same is not in use and embodies means whereby the record is pushed over to the tapered mandrel, with which it rotates in the operation of the instrument.

In the further description of the said invention which follows reference is made to the accompanying drawings, forming a part hereof, in which—

Figure 1 is an exterior side view of a phonograph-mandrel, with its record and box, the same illustrating the method of applying the record to the mandrel. Fig. 2 is a partly-sectional view of Fig. 1. Fig. 3 is a sectional view of the record inclosed within its box.

Referring now to the drawings, 1 is the hollow phonograph-mandrel, and 2 the shaft, about which the mandrel rotates.

4 is the record, and 5 the cylindrical wall of the box, which is continuous or unbroken and preferably formed of tin-plate.

7 is the bottom of the box, which is tight or integral with the wall 5 and has the central aperture 9, which is slightly greater in diameter than the end of the mandrel, which passes through it. This annular bottom 7 is intumed and has practically the same contour as the end of the record, which is supported and centered by it.

10 is the protective lining of the box, formed of some soft material, such as canton-flannel, which will not scratch or otherwise deface or injure the surface of the record. This lining is carried over the edge of the box and secured thereat in order to prevent the opposing of a sharp or hard edge to the record as the box is applied thereto. The folded portion of the lining also serves to form a tight joint with the lid 12. The lid is preferably

made frusto-conical, so as to fit over the end of the record and center it.

To transfer the record from the box to the mandrel, the lid of the box is first removed to expose the end of the record. The record is then placed on the mandrel while still in the box, the annular bottom forming the means whereby the record is slid longitudinally of the mandrel, and after the record is tightly in place the box is withdrawn.

To remove the record from the mandrel, the box is placed over the record, which brings the end of the mandrel near to or through the central aperture in the bottom of the box. The thumb is then placed against the end of the mandrel, and one of the fingers against the inner end of the record. As pressure is applied, or the finger and thumb brought toward each other, the record is loosened from the mandrel, and together with it and the box are removed.

From the foregoing description it will be understood that in the application of the record to the mandrel and its withdrawal therefrom the cylindrical surface of the record is never exposed or subjected to any constriction or pressure and therefore cannot be defaced.

I claim as my invention—

In combination with a phonograph-record, a circumferentially-closed cylindrical box, which serves as a receptacle for the record when the same is not in use, and also as means whereby the said record may be pushed over and to its place on the carrying-mandrel, the said box being provided with a lining of some soft material, and a tight or fixed annular bottom having an inner diameter which is greater than that of the record, whereby in the act of placing the record on the mandrel, the end of the same may pass through the said annular bottom, substantially as, and for the purpose specified.

JOHN R. HARE.

Witnesses:

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