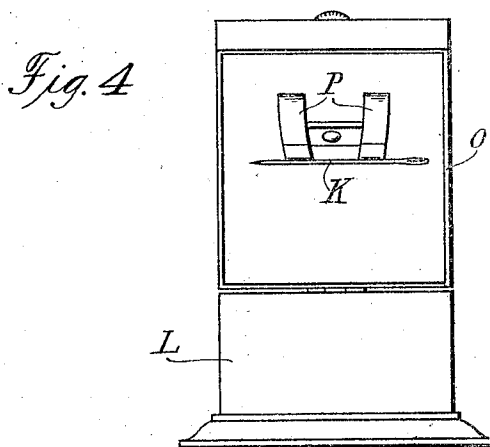
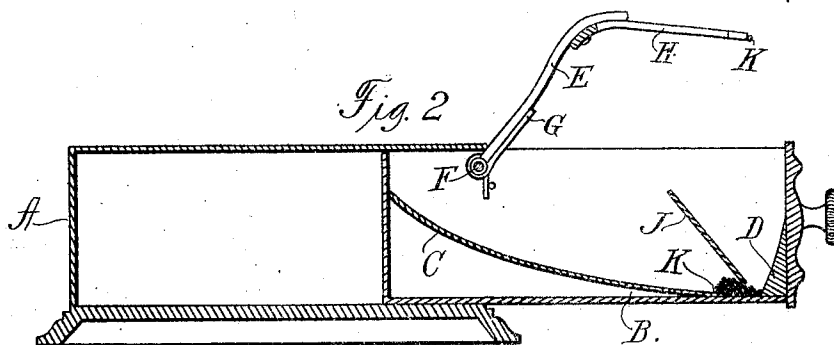
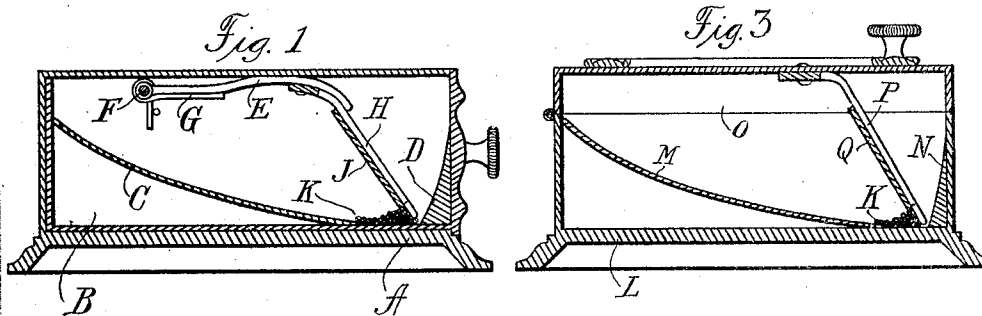


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NEEDLE SERVING BOX.
APPLICATION FILED FEB. 5, 1909.

938,235.

Patented Oct. 26, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN HERMANN, OF NEW YORK, N. Y.

NEEDLE-SERVING BOX.

938,235.

Specification of Letters Patent.

Patented Oct. 26, 1909.

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To all whom it may concern:

Be it known that I, JOHN HERMANN, citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Needle-Serving Boxes, of which the following is a specification.

This invention relates to needle-serving boxes, intended to contain and serve either sewing needles or the needle points used in phonographic machines.

The object of this invention is the production of a suitable receptacle for the needles, provided with a permanent magnet and attachments whereby when the movable parts are operated the magnet picks up one or two needles and holds them in their raised position free from the box and in such manner as to enable the needles to be conveniently taken from the magnet by the fingers without danger of pricking them.

The stated object is accomplished by fashioning and associating the parts substantially as illustrated in the accompanying drawings, of which—

Figure 1 represents a vertical and lengthwise sectional view of the preferred form of this invention, showing the drawer closed, and Fig. 2 is a corresponding section showing the drawer open and the magnet raised. Fig. 3 is a vertical and longitudinal section of a modified form of this invention, and Fig. 4 is a front view of the modified form showing the magnet in its raised attitude.

Like letters are employed to refer to the same parts throughout the description and drawings.

The box A, has a drawer B, provided with an inclined false bottom C, and, it may also have an inclined addition D to its front interior wall. An arm E, is supported at its rear end within the drawer by the transverse pivot rod F, and a spring G is arranged about the pivot and against the arm E, normally exerting an upward pressure against the arm. To the forward portion of the pivoted arm is attached a small permanent magnet H. Upon the bottom C and in rear of the inclined transverse partition J within the drawer the needles K are placed.

It is believed to be now made clear that if the drawer be opened, the spring G will swing the arm and magnet upwardly into the position illustrated in Fig. 2. One or two needles will be held to the poles of

the magnet, but, ordinarily, any greater number of needles will be brushed off against the inclined front wall D of the drawer. As shown in Fig. 2, the magnet H holds the needle K free from any part of the box and in position to be readily taken from the poles of the magnet by the fingers.

Figs. 3 and 4 set out a modified form of this invention. The box L has the inclined bottom M, the inclined front wall N, and a hinged lid O. In this form the magnet P is secured to the inside of the top of the lid, and when the lid is closed as illustrated in Fig. 3 the magnet lies adjacent to the inclined partition Q. When the lid O is raised into the position shown in Fig. 4 the magnet holds the needle in about the same attitude as in the first form described herein. The weight of the magnet normally keeps the lid O of the box L closed.

Having now described this invention and the mode of its operation, what I claim is:—

1. In a needle serving box, the combination with a box having a movable portion whereby the box is opened and closed, of a magnet arranged to be wholly within the box when the box is closed, the said magnet having its poles arranged near the bottom of the box when the box is closed, and means connecting the magnet with the said movable portion of the box whereby when the said movable portion of the box is operated and the box opened the poles of the magnet project free from and above the box.

2. In a needle serving box, the combination with a box having a movable drawer whereby the box is opened and closed, of a magnet arranged to be wholly within the box when the drawer is closed, the said magnet having its poles arranged near the bottom of the drawer when the drawer is closed, and means connecting the magnet and drawer and supporting the magnet, the said magnet-supporting means including a spring adapted to raise the magnet when the drawer is opened, and the said magnet-supporting means being arranged to yieldingly encounter the top of the box when the drawer is closed thereby lowering the magnet into the drawer.

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

JOHN HERMANN.

Witnesses:

C. V. STECHER,
WM. LEHRBACH.