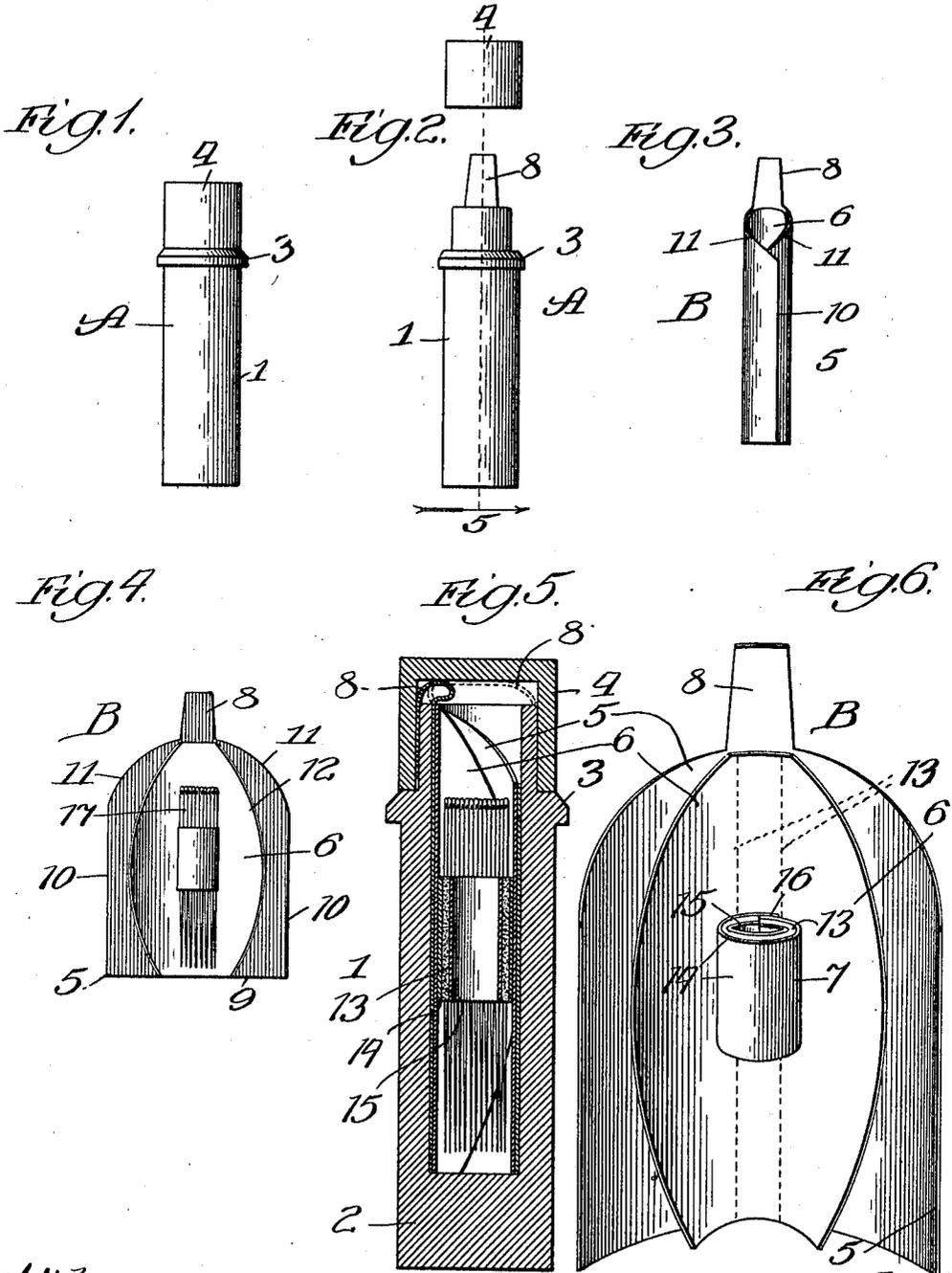


J. H. BOYE.
 NEEDLE PACKAGE.
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1,004,354.

Patented Sept. 26, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

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NEEDLE-PACKAGE.

1,004,354.

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To all whom it may concern:

Be it known that I, JAMES H. BOYE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Needle-Packages, of which the following is a specification.

My invention relates particularly to needle-packages; and my primary object is to provide more convenient means for handling and conserving needles until the contents of the package have been wholly used by the consumer.

The invention is illustrated in its preferred embodiment in the accompanying drawing, in which—

Figure 1 represents an elevational view of a container, or needle tube, employed; Fig. 2, a similar view, showing the cap or closure of the tube removed and the tab of the needle-holder projecting from the container; Fig. 3, an elevational view of the needle-holder; Fig. 4, a view showing the tubular envelops or shells open to expose the needle-carrying roll, or cylinder, and the needles carried thereby; Fig. 5, a sectional view showing the container with the contents therein; and Fig. 6, an enlarged perspective view of the needle-holder.

In the illustration given, A represents a container; and B, a needle-holder contained therein. The container preferably comprises a tube 1, having a closed bottom 2, and provided near its upper end with an external flange 3; and a removable cap 4 applied to the reduced upper end of the tube 1 and adapted to rest at its lower edge on the flange 3. The needle-holder B preferably comprises an outer longitudinally split shell 5 which may be formed from somewhat stiff paper; an inner longitudinally split shell 6 which may be formed of a lighter paper; a needle-carrying roll, or cylinder 7, suitably attached to the medial longitudinal portion of the member 6; and a tab 8, located at the upper ends of said shells.

Any slightly resilient flexible material may be employed for forming the shells 5 and 6. The outer shell 5 is preferably formed from paper of sufficient body and stiffness to retain approximately the form which is given to it in the manufacture, and the tab 8 is preferably formed integrally

with the upper end of the shell 5. The paper forming the outer shell, before it is rolled, has a straight lower edge 9, and straight lateral edges 10, the upper corners of the paper being cut away or rounded, as indicated at 11, and the tab 8 projecting upwardly from the medial portion of the upper end of said member 5. When the member 5 is rolled about a longitudinal axis to cylindrical form, its lateral edge-portions overlap each other, as will be readily understood from Fig. 3. The inner shell, or inner envelop, 6, is preferably formed from a slightly resilient very thin paper, such as comparatively stiff tissue paper, being adapted to retain approximately the curvature which is given to it when formed. It is formed from a smaller piece of paper than is the shell 5—preferably from a piece having curved lateral edges 12, and having the form, before rolling, of the outline of a truncated ten-pin. The medial longitudinal portion of the member 6 is attached to the inner surface of the medial longitudinal portion of the member 5, by any suitable means, such as cement or adhesive material. This is indicated by the dotted lines 13 in Fig. 6.

The needle-carrying roll or cylinder 7, may comprise a piece of cloth or fabric 13, placed between plies of paper 14 and 15, and formed into a roll or cylinder, the outer ply 14 of the paper having its meeting edges overlapping and cemented together, and also cemented to the inner surface of the member 6, as indicated at 16 in Fig. 6. It will be understood from the foregoing explanation that the intermediate ply of material, *i. e.*, the cloth 13, is adapted to receive an annular series of needles 17.

A very attractive package may be made by employing colored paper, say, a red paper, for the outer shell, and a different colored paper, or a substantially colorless paper, for the inner shell. When it is desired to insert the needle-holder in the container A the outer shell or shield of the needle-holder is rolled closely so that its lateral edge-portions will overlap each other, and the needle-holder and contents may then be inserted in the container, leaving the tab 8 projecting. The cap may then be applied, in which operation the tab may be folded back so as to lie between the cap and reduced

upper end of the tube, as shown in Fig. 5, where it will serve as a means for making a tight fit between the cap and tube; or, if desired, the tab may be confined within the upper portion of the tube, from whence it will spring out, of its own resilience, when the cap is removed. Thus, the tab will serve as a means for withdrawing the needle-holder from the container. When the needle-holder is removed, the shield naturally tends to open somewhat, and may be opened full if desired, to expose the contents. Because of the annular arrangement of the needles and the background afforded by the inner and outer shell, the needles are displayed to best advantage. Moreover, the needles may be withdrawn, one by one, from the needle-carrying roll, as the needles are required for use, without any danger of the remaining needles becoming loosened or liable to be lost. The container A is adapted for ready insertion in a commodity cabinet of the kind adapted to be placed on counters and showcases, so that the needles may be very readily shown to prospective purchasers, and not only is the selling of these small articles of merchandise facilitated, but the use of my improved device tends to conserve the needles for the user by preventing the loss of the needles.

The foregoing detailed description has been given for clearness of understanding only, hence no undue limitation should be understood therefrom, but the appended claims should be construed as broadly as permissible in view of the prior art.

What I regard as new, and desire to secure by Letters Patent, is—

1. The combination with a tubular container, of a needle-holder comprising a needle-carrying roll, and a longitudinally split cylindrical shell of flexible, somewhat resilient material within which said roll is mounted.

2. A needle-holder, comprising a needle-carrying roll, and a flexible longitudinally split cylindrical member in which said needle-carrying roll is mounted.

3. A needle-holder, comprising a longitudinally split member of approximately cy-

lindrical form, and a needle-carrying roll attached to the longitudinal medial portion of said first named member.

4. A needle-holder, comprising a longitudinally split cylindrical member of flexible material affording a shell, a tab at the upper end of said shell, and a needle-carrying roll mounted in said shell.

5. A needle-holder, comprising a longitudinally split shell of flexible material having its upper corners cut away, and a needle-carrying roll mounted in said shell.

6. A needle-holder, comprising a longitudinally split flexible shell, and a needle-carrying roll secured to the inner surface of said shell along the medial longitudinal portion thereof.

7. A needle-holder, comprising an outer longitudinally split cylindrical shell, an inner longitudinally split cylindrical shell of smaller area attached to the inner surface of said first named shell, and a needle-carrying roll attached at one side along a longitudinal line to said inner shell.

8. The combination with a tubular container, of a needle-holder therein comprising a longitudinally split shell equipped at its upper end with a tab adapted to project from the upper end of said container, and a needle-carrying roll mounted in said shell.

9. A needle-holder, comprising a longitudinally split shell of resilient paper having a tab projecting from the upper portion, and a needle-carrying roll mounted in said shell.

10. A needle-holder, comprising a longitudinally split paper shell equipped with a tab, and a needle-carrying roll comprising an annular piece of fabric enveloped by a cylindrical envelop, said roll attached to the inner surface of said shell along the medial longitudinal portion thereof.

11. The combination with a cap-equipped container, of a needle-holder comprising a needle-carrying roll and a mounting therefor inserted in said container and comprising a longitudinally-split, flexible shell.

JAMES H. BOYE.

In presence of—

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