

J. H. BOYE.

PACKAGE.

APPLICATION FILED FEB. 16, 1909.

948,645.

Patented Feb. 8, 1910.

Fig. 1.

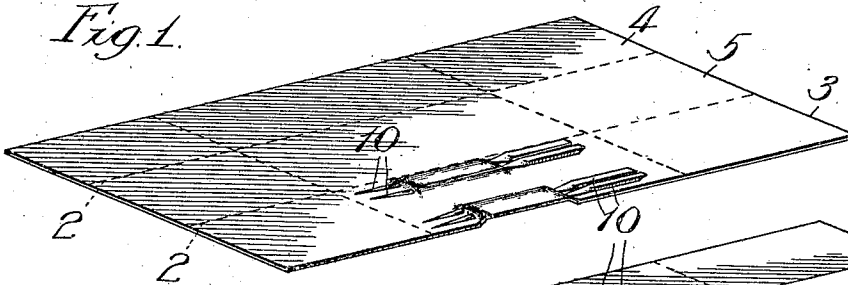


Fig. 2.

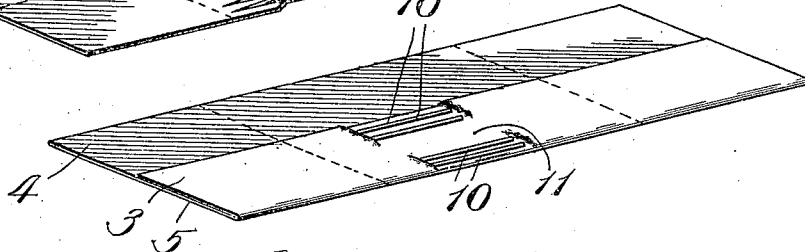


Fig. 3.

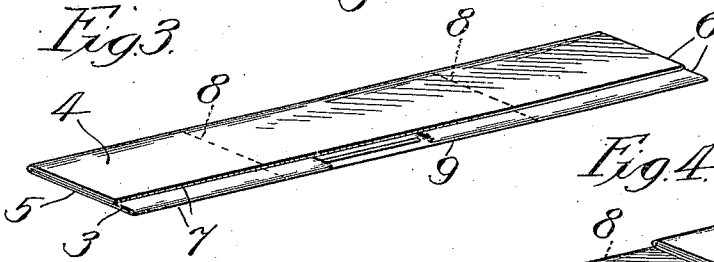


Fig. 4.

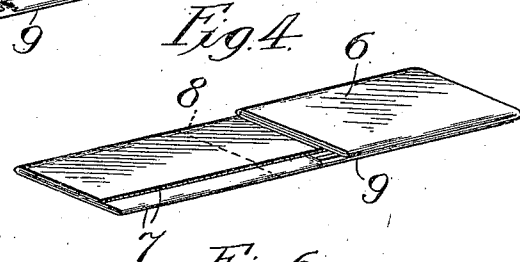


Fig. 5.

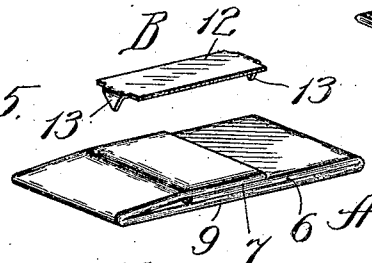


Fig. 6.

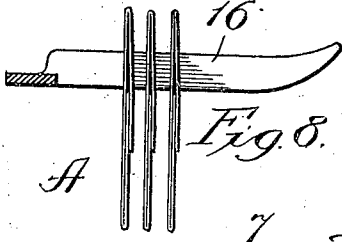
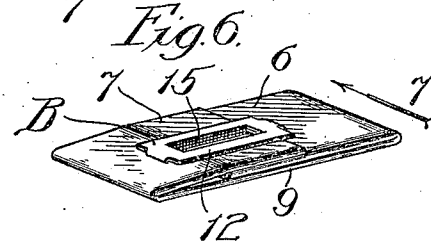
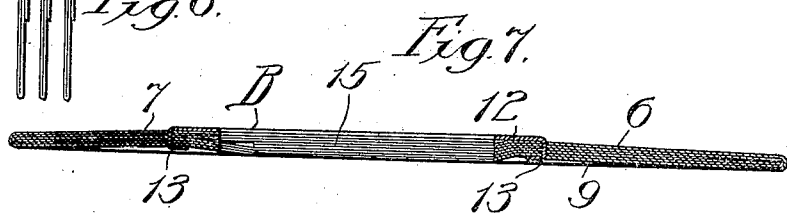


Fig. 8.

Fig. 7.



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UNITED STATES PATENT OFFICE.

JAMES H. BOYE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE BOYE NEEDLE COMPANY,
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PACKAGE.

948,645.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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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 Packages, of which the following is a specification.

My invention relates particularly to packages adapted to serve as holders for needles, or similar small articles of merchandise; and my primary object is to provide a package adapted to the economical and secure packing of needles for convenience in effecting sales in small quantities.

A further object is to provide a package of the character indicated capable of being impaled or suspended on a hook, thereby adapting the packages to be compactly packed in a cabinet and to be conveniently taken therefrom by the salesman in effecting sales.

The invention is illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of a slip of paper with needles thrust therethrough, the dotted lines indicating the lines of folding for forming the package; Fig. 2, a perspective view of the same after one fold of the paper has been made (one lateral flap turned in); Fig. 3, a perspective view after the next folding operation; Fig. 4, a similar view after one end of the plies has been folded over upon the body of the package; Fig. 5, a perspective view of the completely folded package and the securing clip adapted to be applied thereto; Fig. 6, a perspective view of the package after the clip has been applied; Fig. 7, a longitudinal sectional view (enlarged) taken as indicated at line 7 of Fig. 6; and Fig. 8, a view illustrating the manner in which the improved packages may be suspended on the impaling arms of the carrier of a commodity-cabinet, for convenience in effecting sales.

In the illustration given, A represents the folded paper package; and B, a securing clip applied thereto.

The paper package is formed by folding an oblong rectangular strip of paper, or the like, 1, along longitudinal lines 2, thus providing inturned, overlapping lateral flaps 3 and 4, folded upon the central strip 5. The ends 6 and 7 of the plies are then folded on the transverse lines 8, so as to overlap and lie upon the body-portion, 9, of the package.

Prior to the beginning of the folding operation, needles 10 are inserted through the flap 3 of the paper, extending longitudinally thereof. The needles are inserted at the lateral marginal portions of the flap, being separated by a space 11, for a purpose which will presently appear.

The clip B is preferably formed of sheet metal, and comprises a body-portion 12 provided at its ends with a integrally formed clenching-prongs 13 at an angle to the body-portion.

The clip is applied to the package by a press operation, one prong being forced through each end flap and through the body-portion of the package. The clip, when applied, crosses the edge of the extremity of the outer end-flap 7, as clearly shown in Fig. 6. In the operation of applying the clip, a punching operation is performed upon the clip and paper package, whereby registering slots, or perforations, are formed in the clip and paper package, forming one continuous slot 15 through the clip-secured package.

In Fig. 8, 16 represents an arm, or hanger, of the carrier of a commodity-cabinet adapted to receive the needle-packages. In practice, the carrier of each cabinet has several rows of impaling arms, or hangers, upon which the packages may be hung, say fifteen or twenty packages on each arm. Each row of arms may be used for a given make or style of needle; and, in practice, the cabinets are provided with indexes for identifying the several rows of arms and the packages supported thereon. The carrier is usually shiftable to bring any desired row of hanger-arms beneath a hand-opening in the casing of the cabinet, thus providing for great facility of access to the packages of needles.

The arm 16 is of metal, and, as the needle-package hangs upon it, the slot of the clip B provides a metal bearing or contact with the arm.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation is to be understood therefrom.

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

1. A package comprising a slip of paper having lateral flaps folded thereon forming plies and the ends of the plies folded upon

the intermediate portion, and a clip having prongs passing through and uniting the ends and intermediate portion of the paper, said clip and paper having registering slots
5 therein.

2. A package comprising a slip of paper having ends folded upon the intermediate portion and overlapping each other, and a metal clip having integrally formed prongs

at an angle to the body-portion of the 10 clip and passing through the end-portions and intermediate portion of the slip and clenched, said clip having a slot there-through.

JAMES H. BOYE.

In the presence of—

CHAS. E. GAYLORD,

RALPH A. SCHAEFER.