

No. 776,402.

PATENTED NOV. 29, 1904.

R. W. JOHNSON.
METALLIC PACKAGE FOR SYRINGE NEEDLES.

APPLICATION FILED AUG. 26, 1904.

NO MODEL.

FIG. 1.

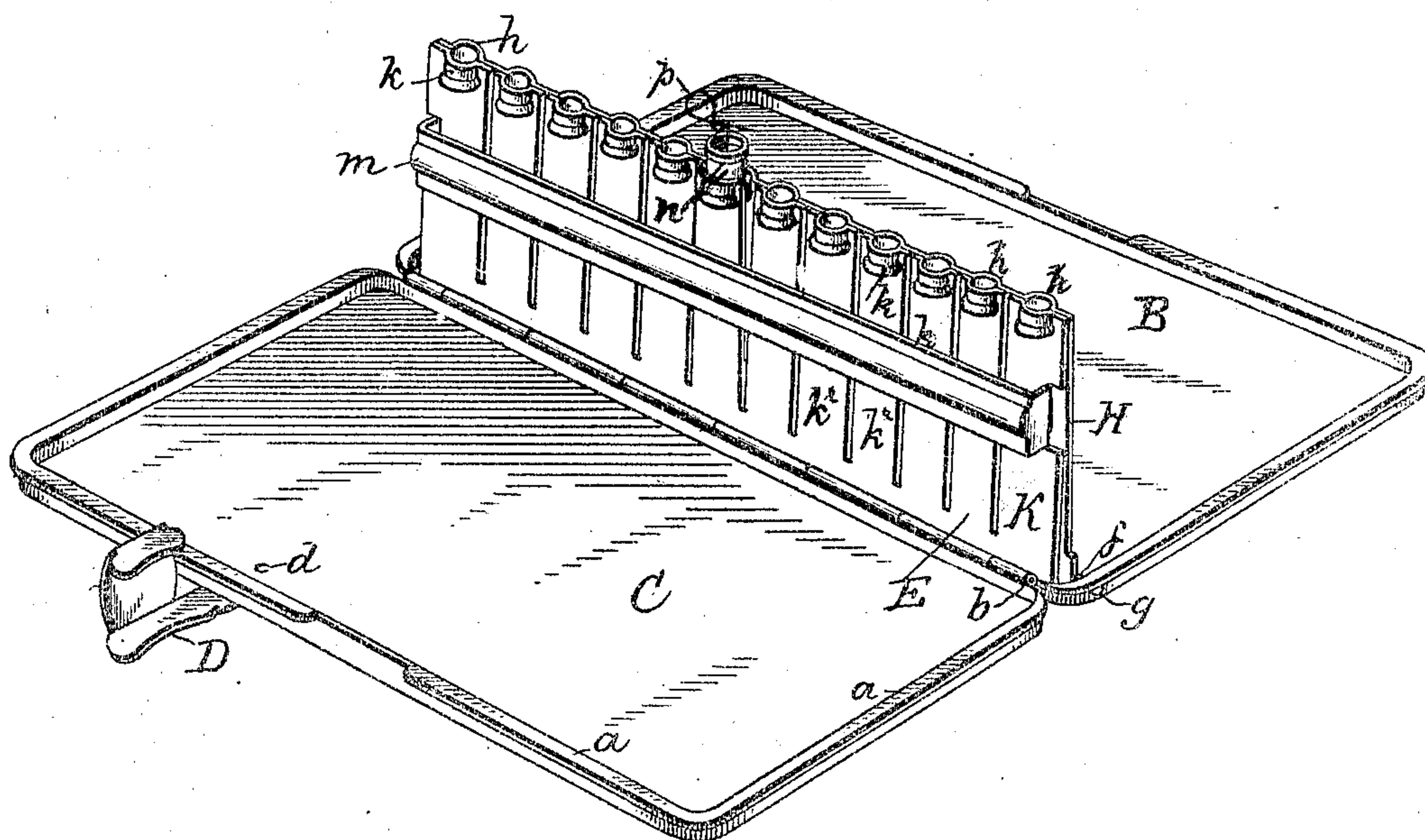


FIG. 2. FIG. 3.

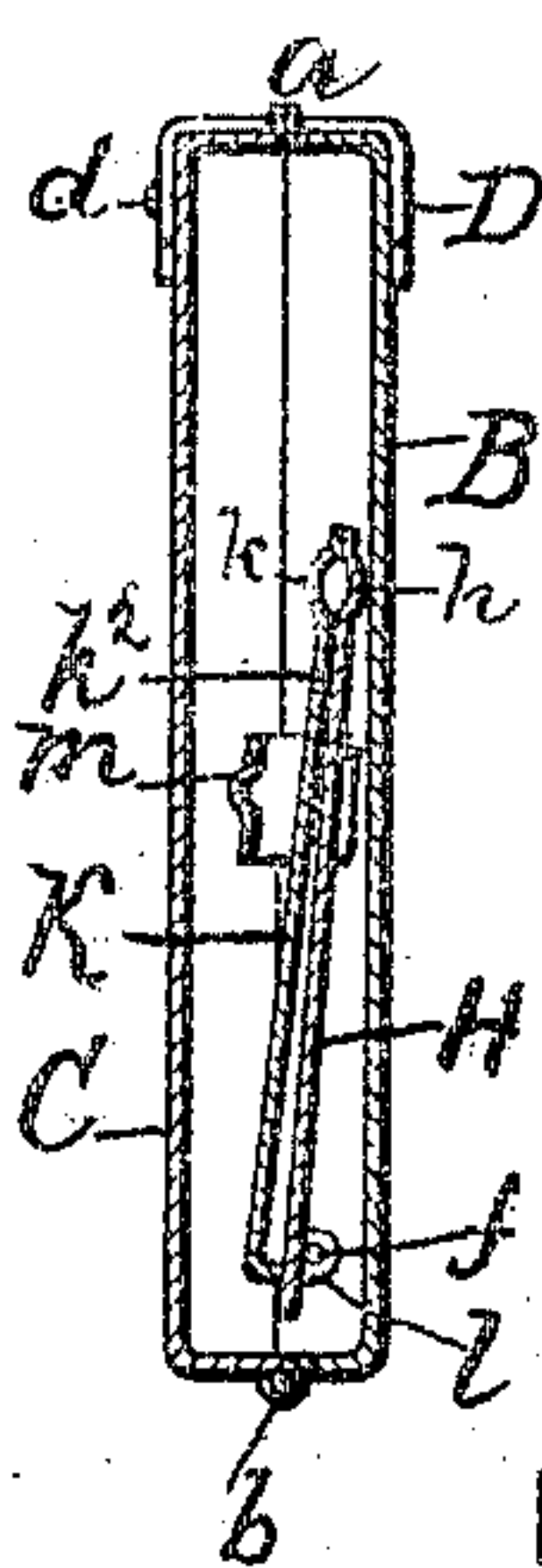
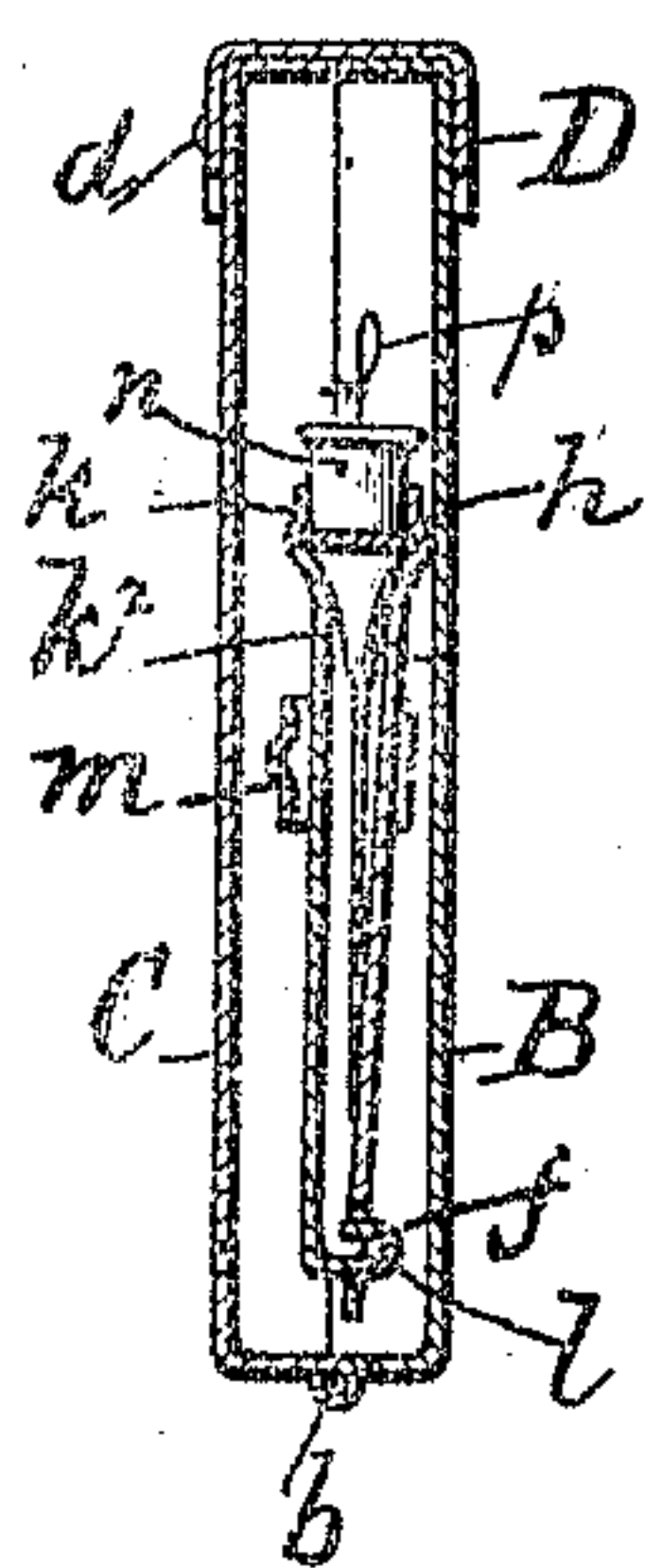


FIG. 4.

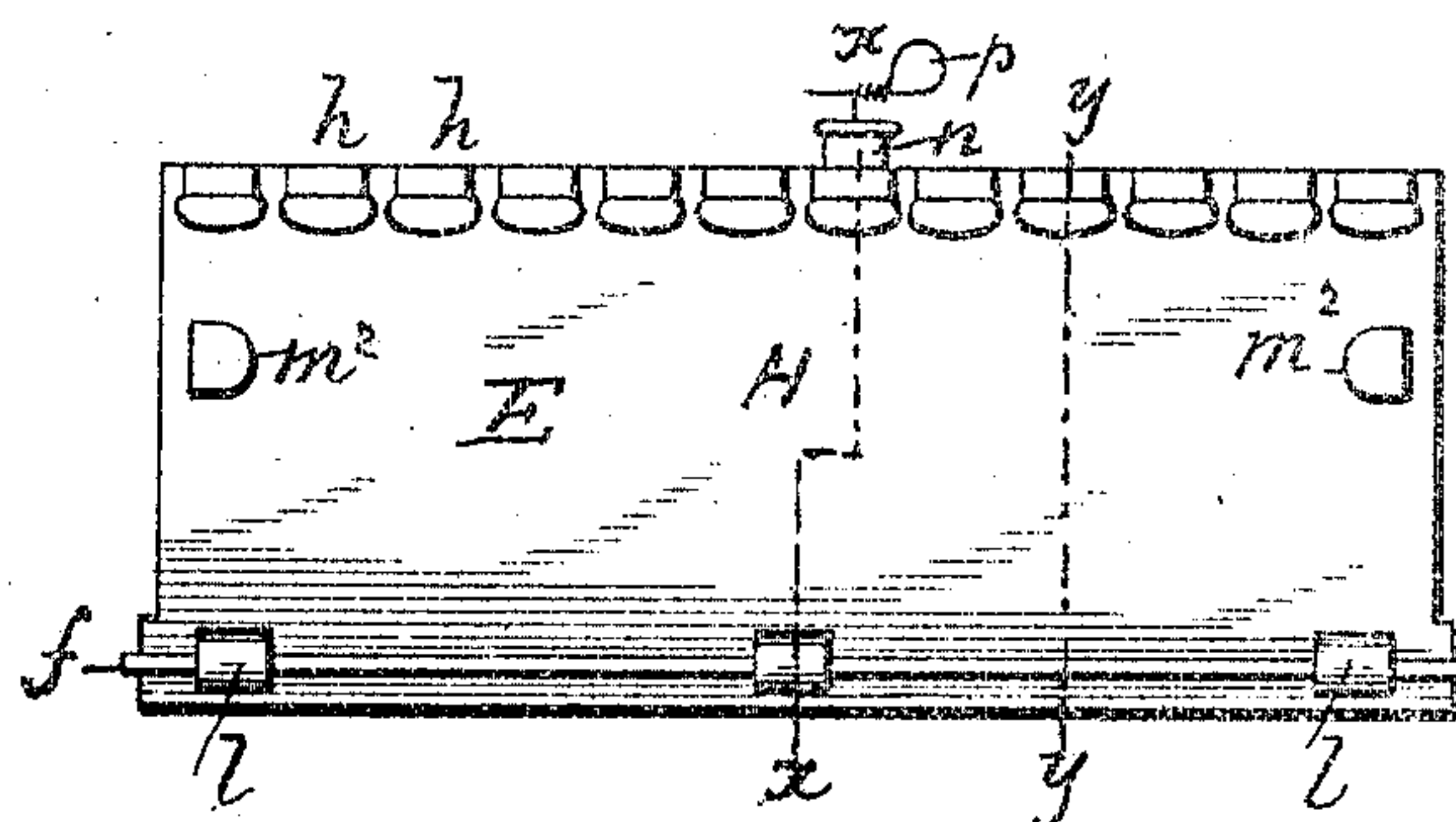
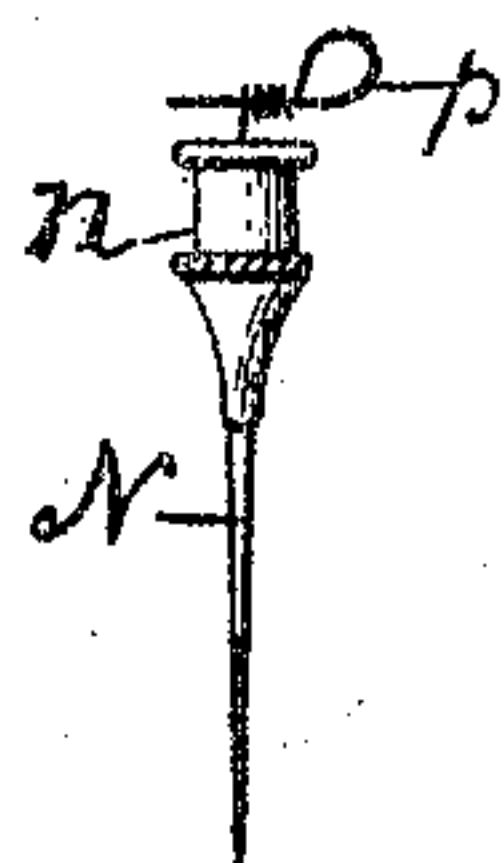


FIG. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT W. JOHNSON, OF NEW BRUNSWICK, NEW JERSEY.

METALLIC PACKAGE FOR SYRINGE-NEEDLES.

SPECIFICATION forming part of Letters Patent No. 776,402, dated November 29, 1904.

Application filed August 26, 1904. Serial No. 222,251. (No model.)

To all whom it may concern:

Be it known that I, ROBERT W. JOHNSON, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Metallic Packages for Syringe-Needles, of which the following is a specification.

This invention relates to a metallic package to hold needles for hypodermic syringes; and the objects of my invention are to provide a simple and inexpensive package of nearly-unoxidizing metal in which each needle is individually retained alongside of others in a row to have an assortment of them for different purposes, either one of which can be taken out without disturbing the others. The case and needle-holders therein, firmly holding the needles, are made of metal, preferably aluminium, so that they can be put in boiling water and sterilized without affecting the same. I accomplish these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the metallic package fully open and containing one of the syringe-needles. Fig. 2 is a vertical section on line *xx* of Fig. 4. Fig. 3 is a vertical section on line *yy* of Fig. 4. Fig. 4 is a rear view of the syringe-needle clamp removed from the box. Fig. 5 is a side view of a syringe-needle carrying its cleaning-wire.

In said drawings, B represents the box, and C the cover thereof. Said parts are of the same size and substantially of the same form, being shallow rectangular trays having slightly-rounded corners and three of their edges flanged outwardly at *a*. The fourth edge has portions cut away, alternating with looped portions to provide a hinge, through which passes a wire *b*, which unites together the box and its cover. Said cover has pivoted thereto at *d* a clasp D, which is adapted to straddle a portion of both the box and its cover and retain said parts united around their edges. To two of the sides of the box B is pivoted the holder E for needles of hypodermic syringes, the ends of the pivot-wire *f* being received in shallow recesses *g*, formed

in the sides of the box B a short distance from the hinge which unites it to its cover.

The holder E consists of a plate H, having a series of substantially semicylindrical pockets *h* along its upper edge, and a plate K, having a similar series of pockets *h* along its upper edge; but the plate K has a series of vertical saw-cuts extending nearly the whole height of the plate to provide a springy finger *h*² for each pocket *h*. The bottom edge of the plate K is bent laterally and made to abut against the inner face of the plate H and is provided with lugs *l*, which are looped and made to pass through corresponding perforations in the plate H, and the wire *f* is made to pass through the loop of each lug *l*, thus retaining the plates H and K solidly united adjacent to their lower edges. To prevent each finger *h*² from being separated too far from the upper edge of the plate H, and thereby possibly damaging the resilience of either one of the fingers *h*², a bridle *m* is placed in front of and at a short distance from the middle portion of the fingers and has its ends *m*² passed through perforations in the plate H and clenched upon said plate.

The hypodermic syringe-needles N have a hollow boss *n*, adapted to be received in and enter into engagement with the pocketed ends of the fingers *h*², and each needle may be provided with a cleaning-wire *p*, as generally used.

The whole package is preferably made of aluminium, which has a neat appearance and not liable to be oxidized by boiling water to sterilize it.

Having now fully described my invention, I claim—

1. A metallic package for syringe-needles consisting of two shallow trays hinged together and a clasp pivoted to one of said trays, with a syringe-needle holder hinged to one of said trays, said holder consisting of two plates secured together adjacent to their hinge, one of said plates being slitted to obtain independent spring-fingers, each finger having a cup-like recess and the other plate having a series of similar recesses along its edge.

2. In a metallic package for syringe-nee-

dles, the combination of two shallow trays
hinged together, a syringe - needle holder
hinged to one of said trays, said holder con-
sisting of two plates secured together adjacent
5 to their hinge, one of said plates having a se-
ries of spring-fingers, each provided with a
cup-like recess and the other plate having a
series of similar recesses along its edge, with

a spring-limiting bridle in front of said fin-
gers, substantially as described. 10

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

ROBERT W. JOHNSON.

Witnesses:

JOHN J. WELSH,
HARTIRG H. THOMPSON.