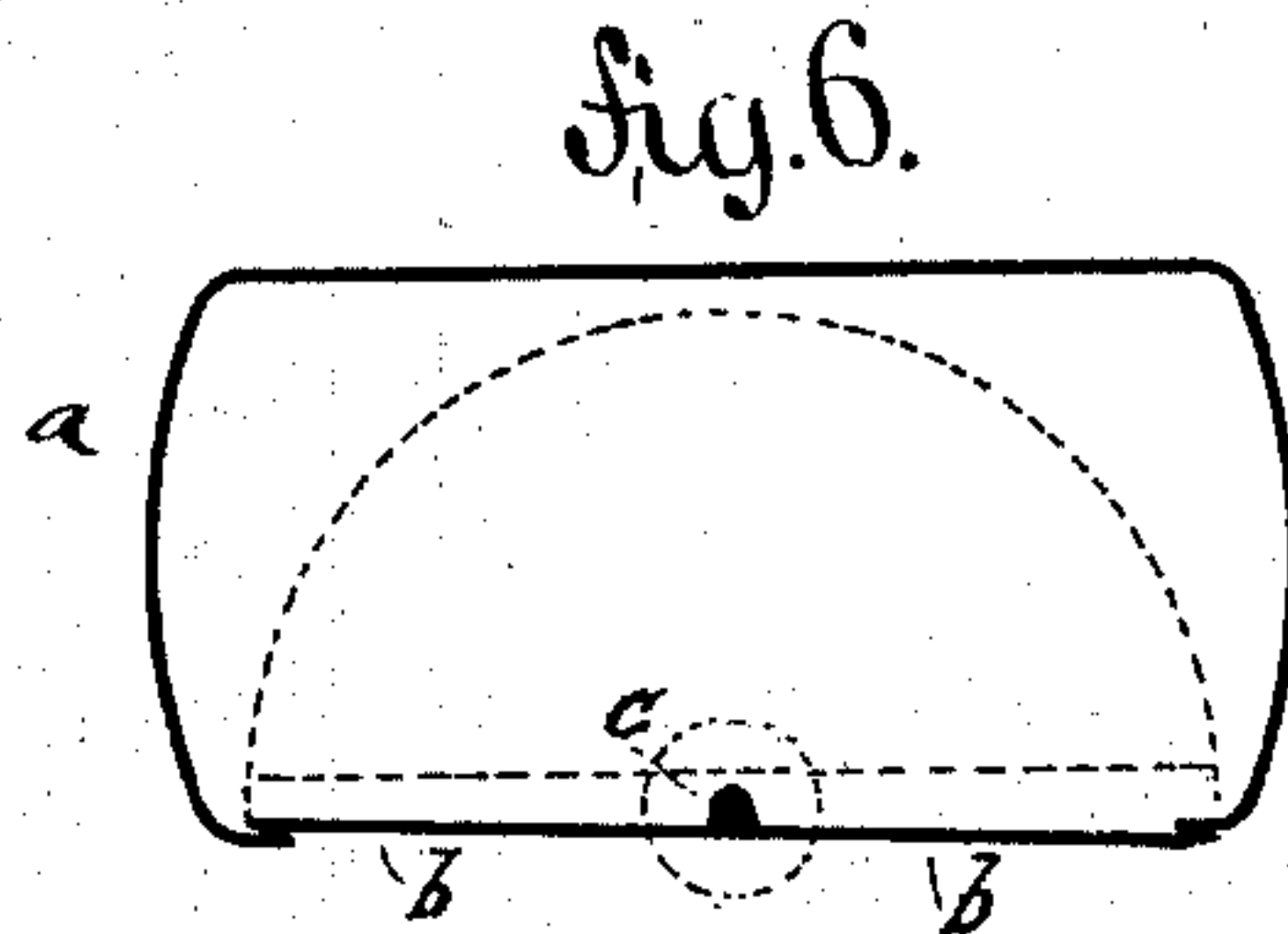
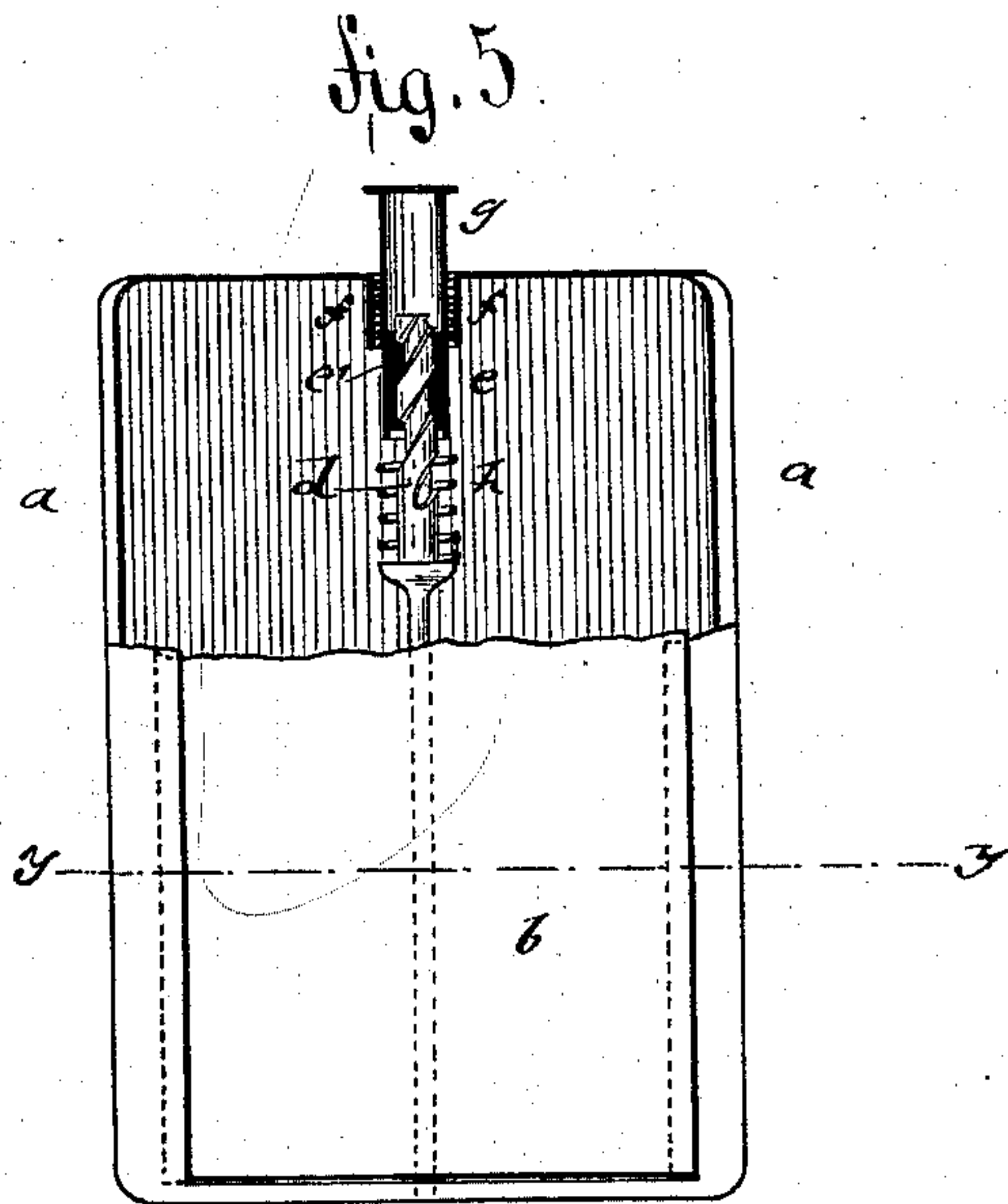
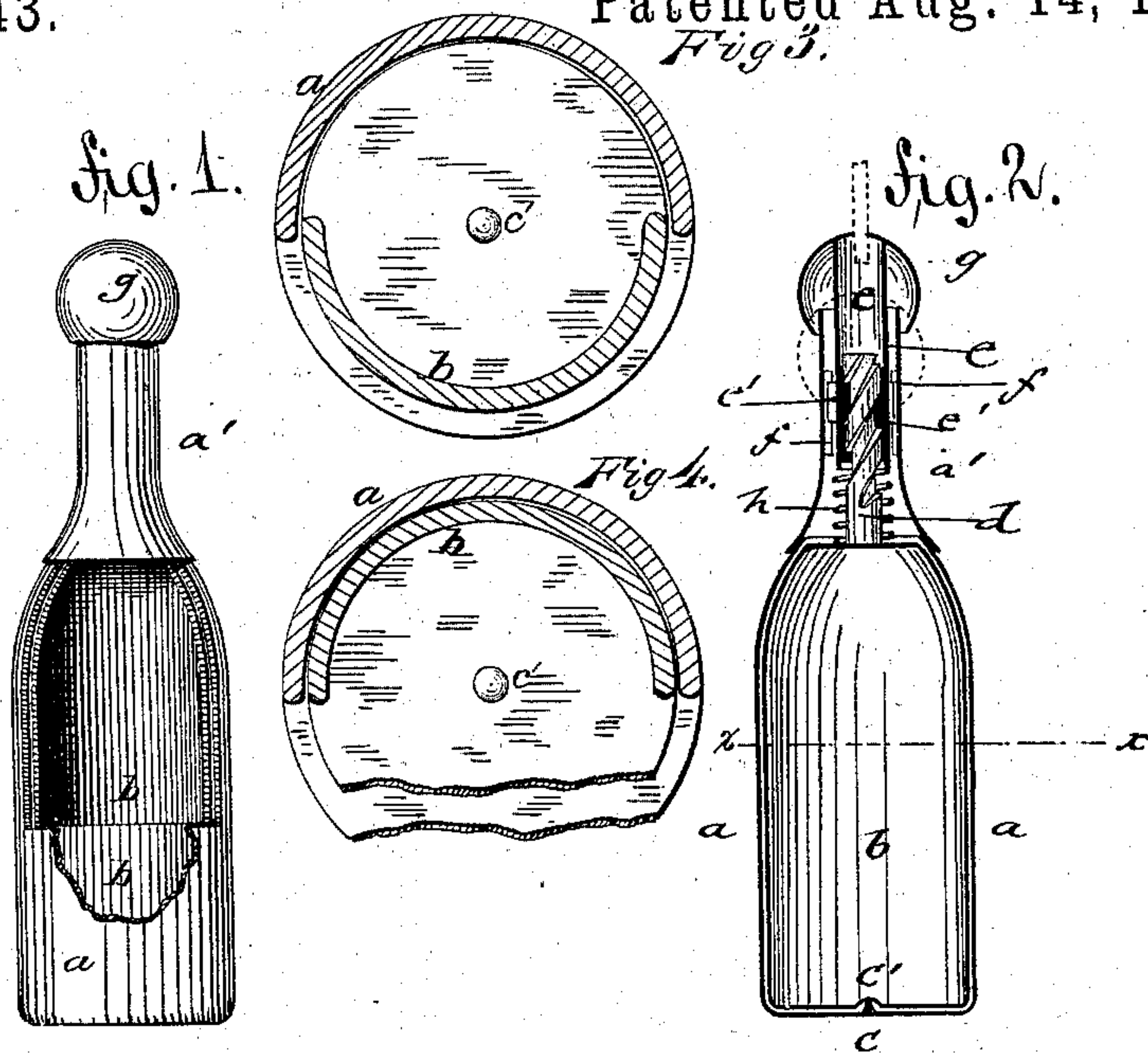


(No Model.)

T. REMUS.
MATCH BOX.

No. 283,143.

Patented Aug. 14, 1883.
Fig 3.



WITNESSES:

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MATCH-BOX.

SPECIFICATION forming part of Letters Patent No. 283,143, dated August 14, 1883.

Application filed April 13, 1883. (No model.)

To all whom it may concern:

Be it known that I, TEODOR REMUS, a subject of the King of Saxony, German Empire, residing at the city of Dresden, in the Kingdom of Saxony, German Empire, have invented certain new and useful Improvements in Match-Boxes, of which the following is a specification.

This invention relates to certain improvements in pocket match-boxes, by which the box is readily opened and closed.

In the accompanying drawings, Figure 1 is a side elevation of this improved match-box in open position with a portion of the outer shell broken away to show the inner shell. Fig. 2 is a vertical transverse section of the same. Figs. 3 and 4 are horizontal sectional diagrams, showing the box in closed and open positions, respectively. Fig. 5 is a side elevation, partly in section, of a modified form of this match-box. Fig. 6 is a horizontal section of the match-box shown in Fig. 5, taken on line *yy* of said figure.

Similar letters of reference indicate corresponding parts.

My improved match-box is preferably made of metal or other suitable material, preferably in the form of a small bottle, which consists of two sections, *a b*, of which the interior section, *b*, is so much smaller than the exterior section, *a*, that it can be readily turned in the same around the common axis of both sections. For the purpose of imparting this axial motion to the interior section, *b*, the bottom of the exterior section, *a*, is provided with a central pin or projection, *c*, which fits into a central indentation, *c'*, of the bottom of the interior section, *b*. Each section *a* and *b* is provided with an opening at one side, which openings register with each other when the interior section, *b*, is turned around its axis in the exterior section, as shown in dotted lines in Fig. 3, in which position of the interior section the match-box is open, so that a match can be removed. When the interior section is turned in opposite direction, it closes the opening of the exterior part, for which purpose the edges of the sections have to overlap each other.

The exterior section, *a*, is provided with a

neck portion, *a'*, into which extends a spindle, *d*, that is attached to the top part of the interior section, *b*. The spindle *d* is provided with a spiral groove of quick pitch, which groove is engaged by an interior projection, *e'*, of a sliding sleeve, *e*. This sleeve is connected to a button, *g*, that slides on the bottle-neck when pressed down by the finger. A spiral spring, *h*, is interposed between the top of the interior section, *b*, and the sleeve *e*, and serves to return the latter and its button *g* into their former position when the pressure thereon is relaxed. The sleeve *e* is moved along straight guides *f f*, and prevented thereby from turning axially with the spindle *d*. To remove a match from the interior of the box the button *g* is pressed downward, whereby the axial spindle *d* makes one-half of a revolution and turns the interior section, *b*, in the exterior shell, *a*, so as to open the latter and admit the removing of a match. When the button *g* is released, the spring returns the button *g* and sleeve *e* into their normal position, and turns the section *b* so that it closes the exterior shell, *a*. The button *g* is provided with a central opening at the top, in which the match is inserted after the same has been ignited, so that the match-box can be used as a match-holder in lighting a cigar or other article.

In the modified form shown in Figs. 5 and 6 the outer section, *a*, is in the form of an oblong box having an opening at one side, and the inner section, *b*, is in the form of a lid adapted to close the said opening, the pivot *c* being in this case located near the open side of the outer section.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a match-box, the combination of an exterior shell or case, being open at one side, an interior axially-turning section adapted to close the opening of the outer section, and means whereby the interior part is revolved around its axis into open or closed position, substantially as set forth.

2. As an improvement in match-boxes, the combination of the exterior shell or case, *a*, open at one side, an interior section, *b*, also open at one side and adapted to turn around

its axis, a spirally-grooved spindle, *d*, attached to the section *b*, a longitudinally-guided sleeve, *e*, engaging the spindle *d*, and a spiral spring, *h*, interposed between the top of the interior
5 section and the sleeve *e*, substantially as and for the purpose set forth.

In testimony whereof I have signed my name

to this specification in the presence of two subscribing witnesses.

TEODOR REMUS.

Witnesses:

PAUL DRUCKMÜLLER,
CARL SCHRÖDER,
Both of Dresden.