

P. J. WURZBURGER.
MATCH BOX.
APPLICATION FILED JUNE 24, 1907.

924,522.

Patented June 8, 1909.

2 SHEETS—SHEET 1.

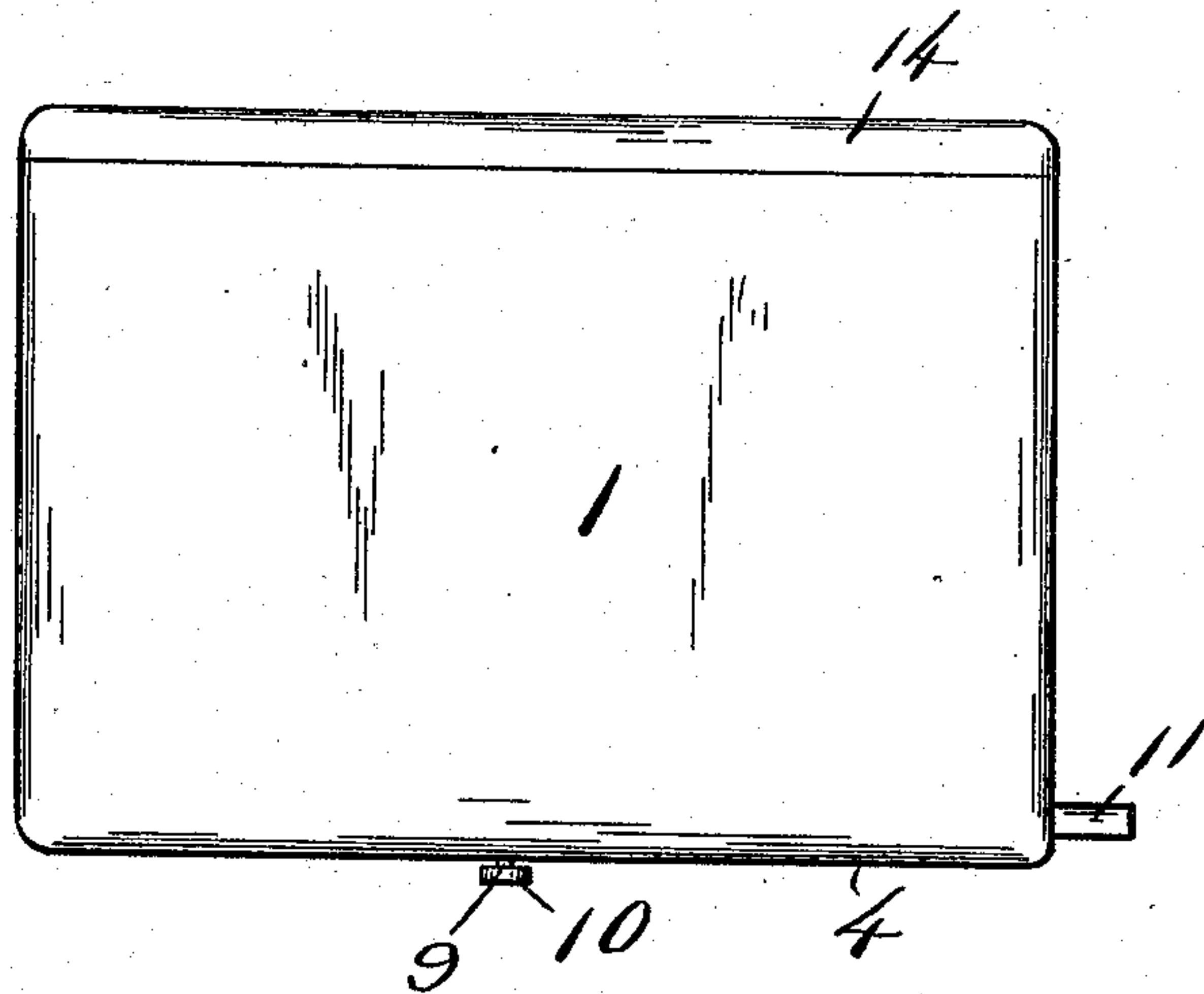


Fig. 1.

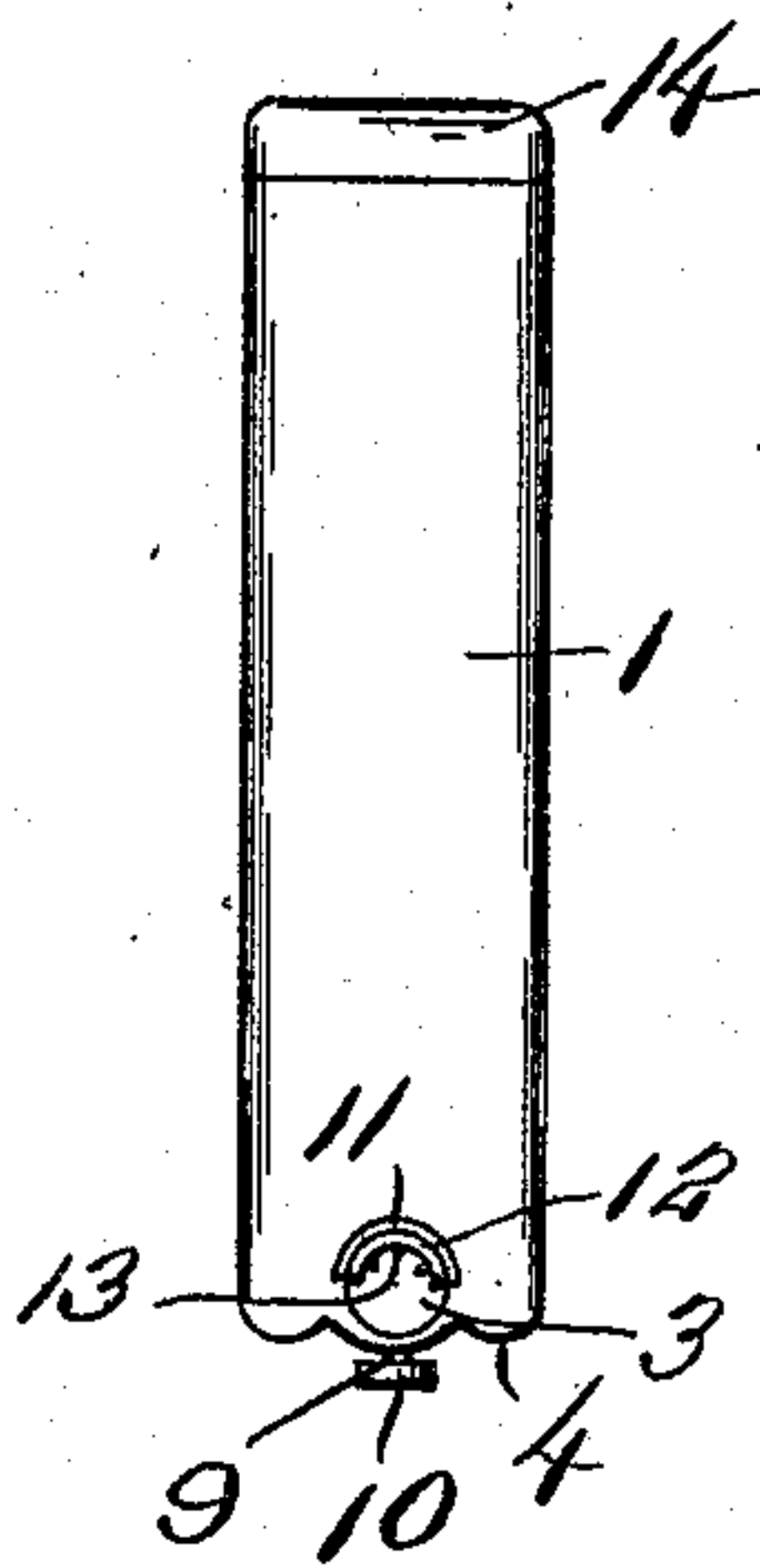


Fig. 2.

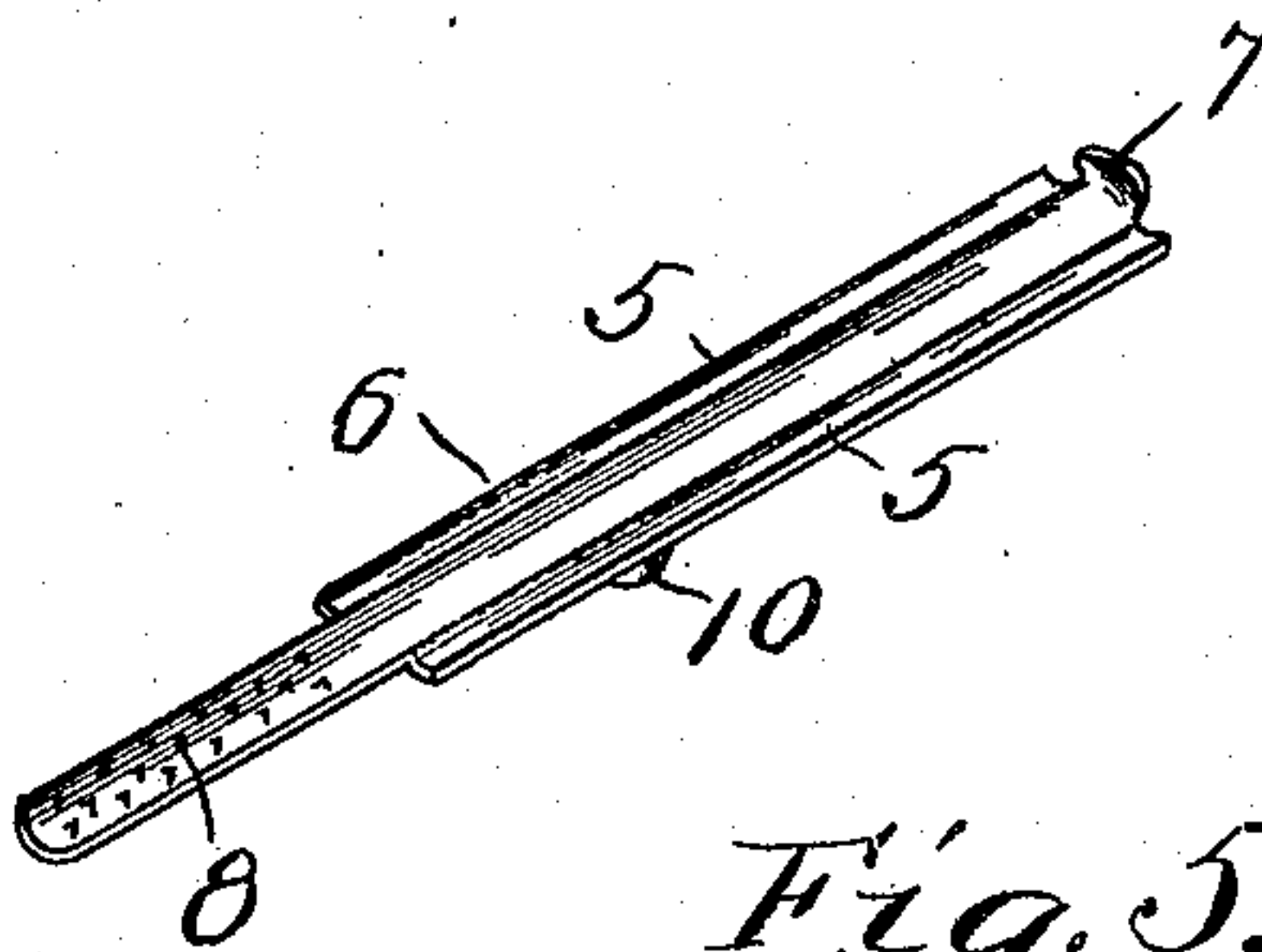


Fig. 5.

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Fig. 3.

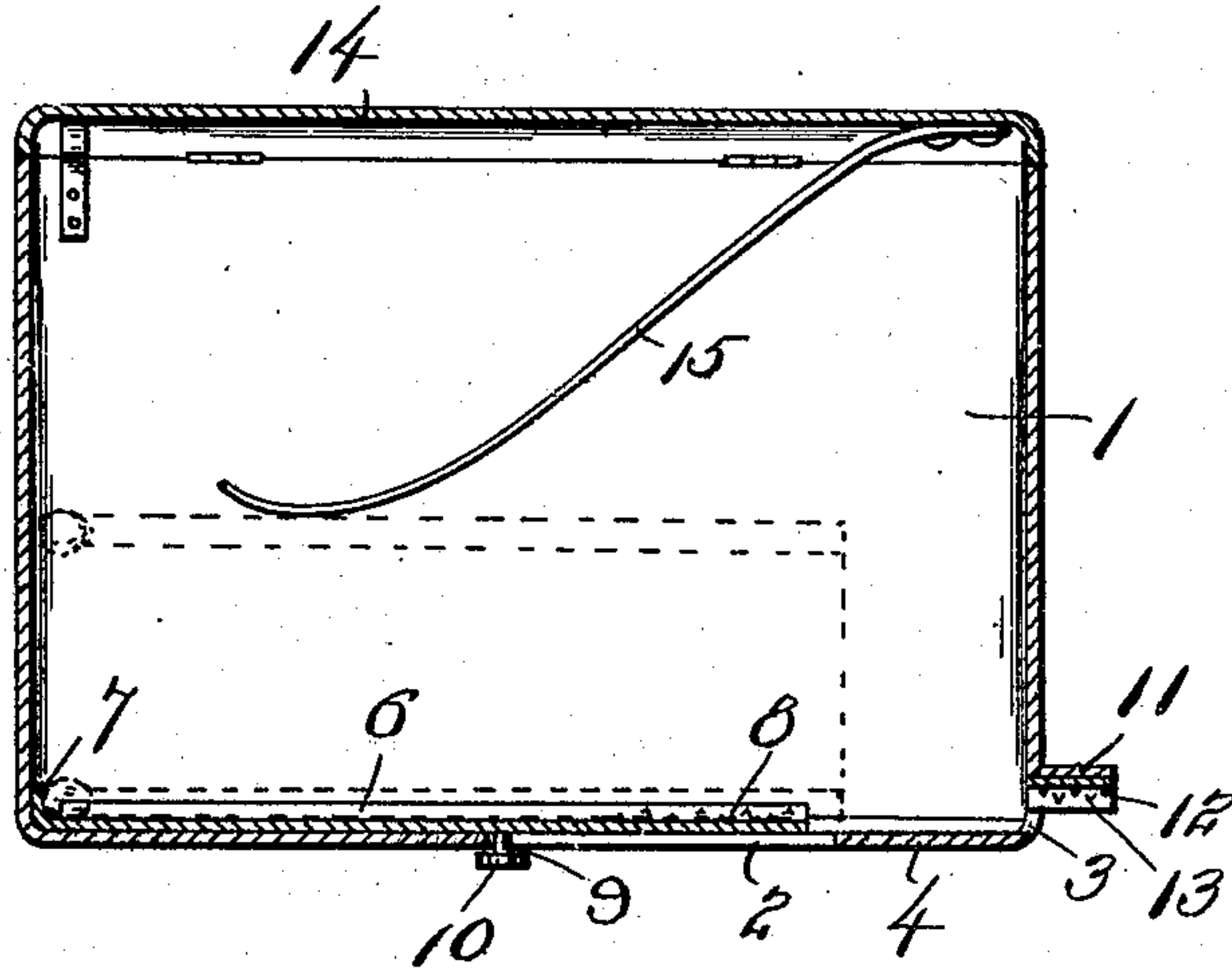


Fig. 4.

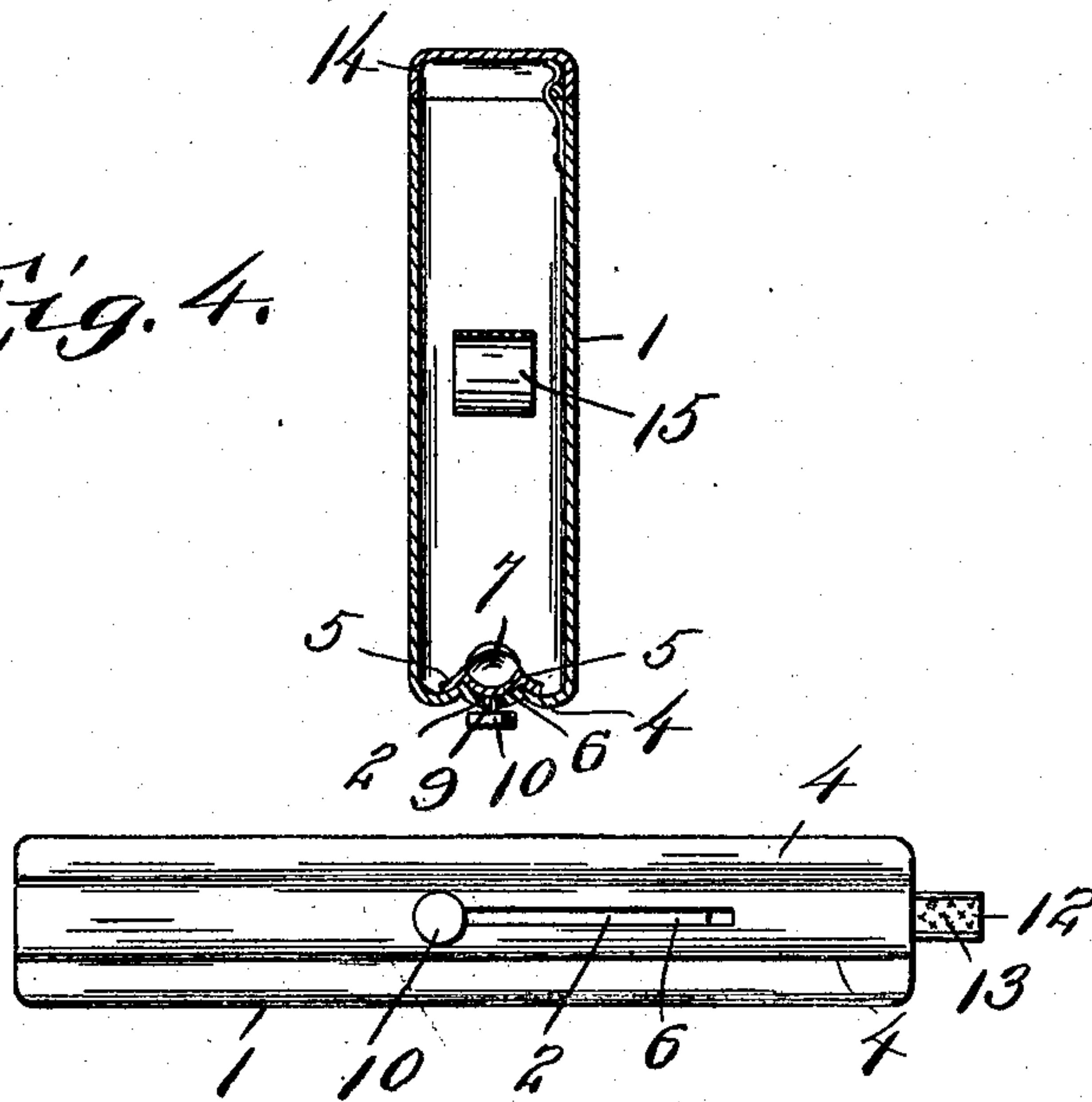


Fig. 6.

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UNITED STATES PATENT OFFICE.

PHILIP J. WURZBURGER, OF PLYMOUTH, MASSACHUSETTS.

MATCH-BOX.

No. 924,522.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed June 24, 1907. Serial No. 380,546.

To all whom it may concern:

Be it known that I, PHILIP J. WURZBURGER, a citizen of the United States, residing at Plymouth, in the county of Plymouth, State of Massachusetts, have invented certain new and useful Improvements in Match-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to that kind or class of match-boxes that are designed to deliver a single match at a time, and to ignite the delivered match in the act of withdrawing it from the box.

The invention aims, as a primary object, to provide improvements comprising a novel construction, combination and arrangement of parts, the details of which will appear in the course of the following description, in which reference is had to the annexed drawings forming a part of this specification, like characters of reference designating similar parts, throughout the several views, wherein—

Figure 1 is a side elevation of a box constructed in accordance with the present invention. Fig. 2 is an end elevation. Fig. 3 is a central longitudinal section. Fig. 4 is a central transverse section. Fig. 5 is a detailed perspective view of a sliding element employed for effecting the delivery of the match. Fig. 6 is a bottom plan of the match-box.

The improved match-box comprehended in the present invention, and designated generally by the numeral 1, has a longitudinal slot 2, formed in its bottom, and an opening 3 cut into one of the end walls at the bottom thereof, through which the match is ejected. The bottom of the box, adjacent the sides of the slot 2, is concavely curved, as at 4, to afford seats for the conformable longitudinal flanges 5 provided at the sides of the sliding match-ejector 6, the latter being of curved cross sectional contour, so that a match may readily fit therein. At the rear end the ejecting slide is formed with a bill 7, for engagement with the head of the match to be ejected, and at its upper forward end the said slide is formed with a roughened or toothed surface 8.

The ejector-slide 6 has a projecting stem, 9, which is extended through the slot 2 and which at its outer end is provided with a

button 10, by means of which said ejector-slide may be moved longitudinally of the box to an extent or length sufficient to cause the end of the match to project through and beyond the opening 3, the latter being formed below an extension 11, projecting from the end of the box and is faced with a plate 12, having a grating or toothed surface 13.

The box 1 has one of its walls defined by a hinged lid 14, carrying a leaf spring follower 15 to hold the matches pressed down on the ejecting slide.

In use, the ejecting-slide being back, as indicated in Fig. 3, and a match being in place thereon, the said slide is moved toward the opening 3 until the end is projected to and beyond the said opening, when the match is withdrawn manually, and as the head of the match is drawn between the roughened surfaces 8 and 13, outside of the box, it is ignited and ready for use. As the match is withdrawn it will naturally be pressed down at its projecting end, so that the ignition will not take place until its head is well out of the box.

From the foregoing description it will be seen that my improvements result in a match-box of the highest simplicity and efficiency, and that owing to the construction of the grated surface of the plate 12 secured to the projection 11, the ignition of the match is rendered certain outside of the box.

What is claimed is—

A match-box having a longitudinal slot formed in its bottom, an opening cut into one of the end walls at the bottom thereof through which a match is ejected, a slide of concavely-curved cross sectional contour, having its sides curved, and provided with a stem projected through the slot to move the slide longitudinally, the rear end of the latter being formed with a bill and the bottom of the box adjacent the sides of the slot being concavely curved to receive the curved sides of the slide and form a guide therefor, an extension to the end wall above said opening having a grated face plate, and the forward end of the slide being grated or roughened on its upper side.

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

PHILIP J. WURZBURGER.

Witnesses:

EDGAR F. BLISS,
FRANK HARLOW.