

No. 728,522.

PATENTED MAY 19, 1903.

C. J. ULBRICHT.
MATCH BOX.

APPLICATION FILED MAR. 2, 1903.

NO MODEL.

Fig. 1.

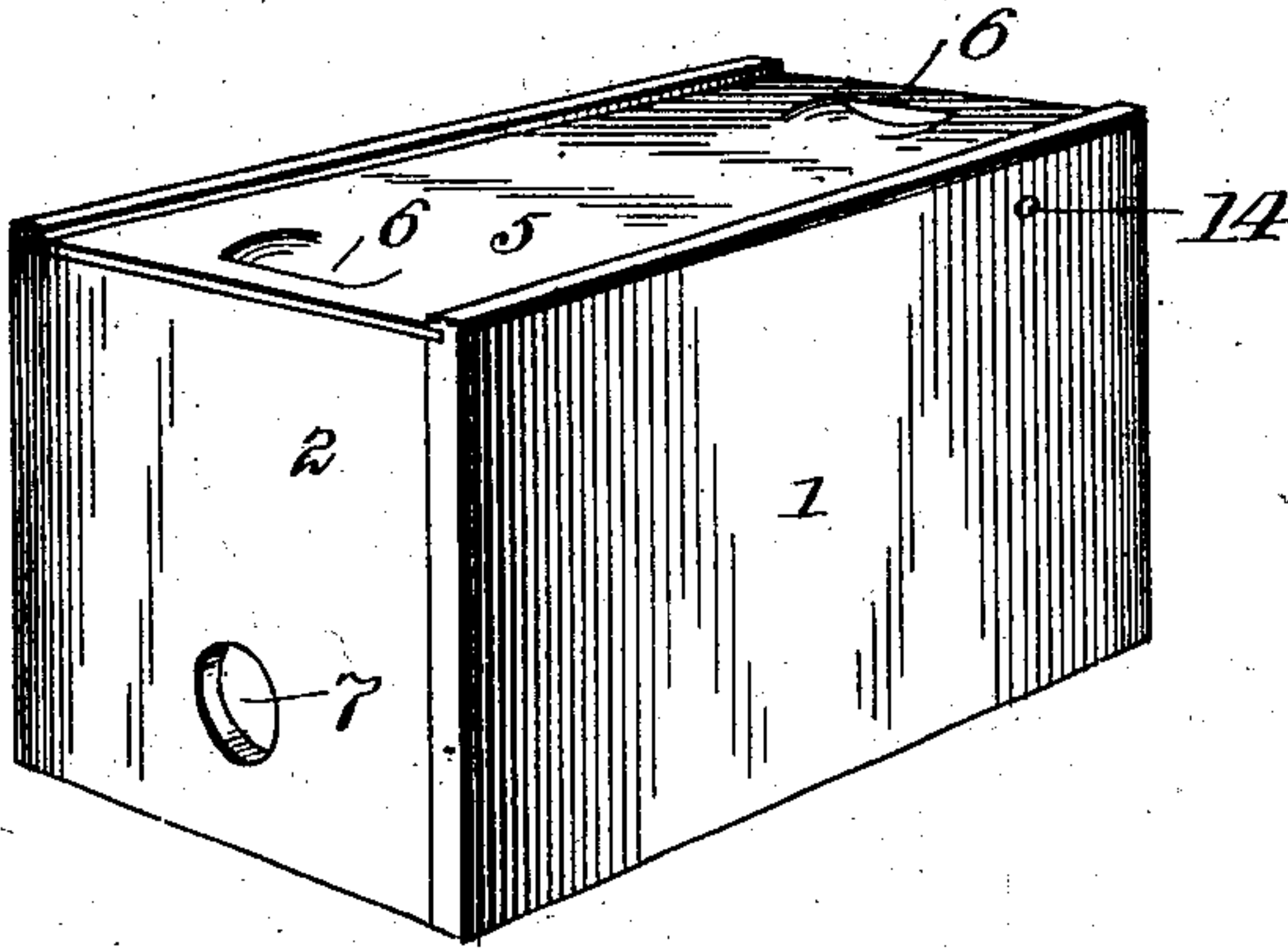


Fig. 2.

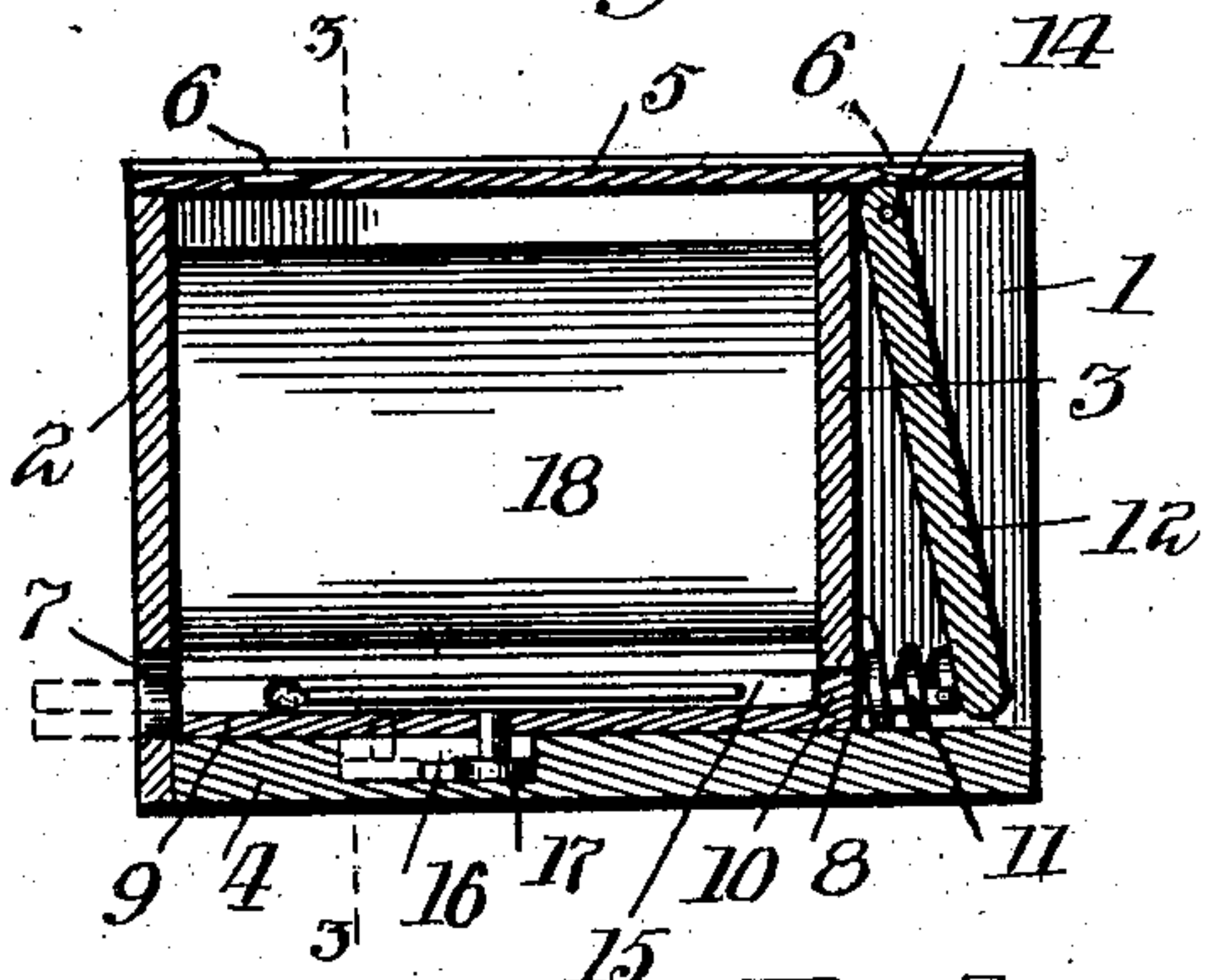


Fig. 3.

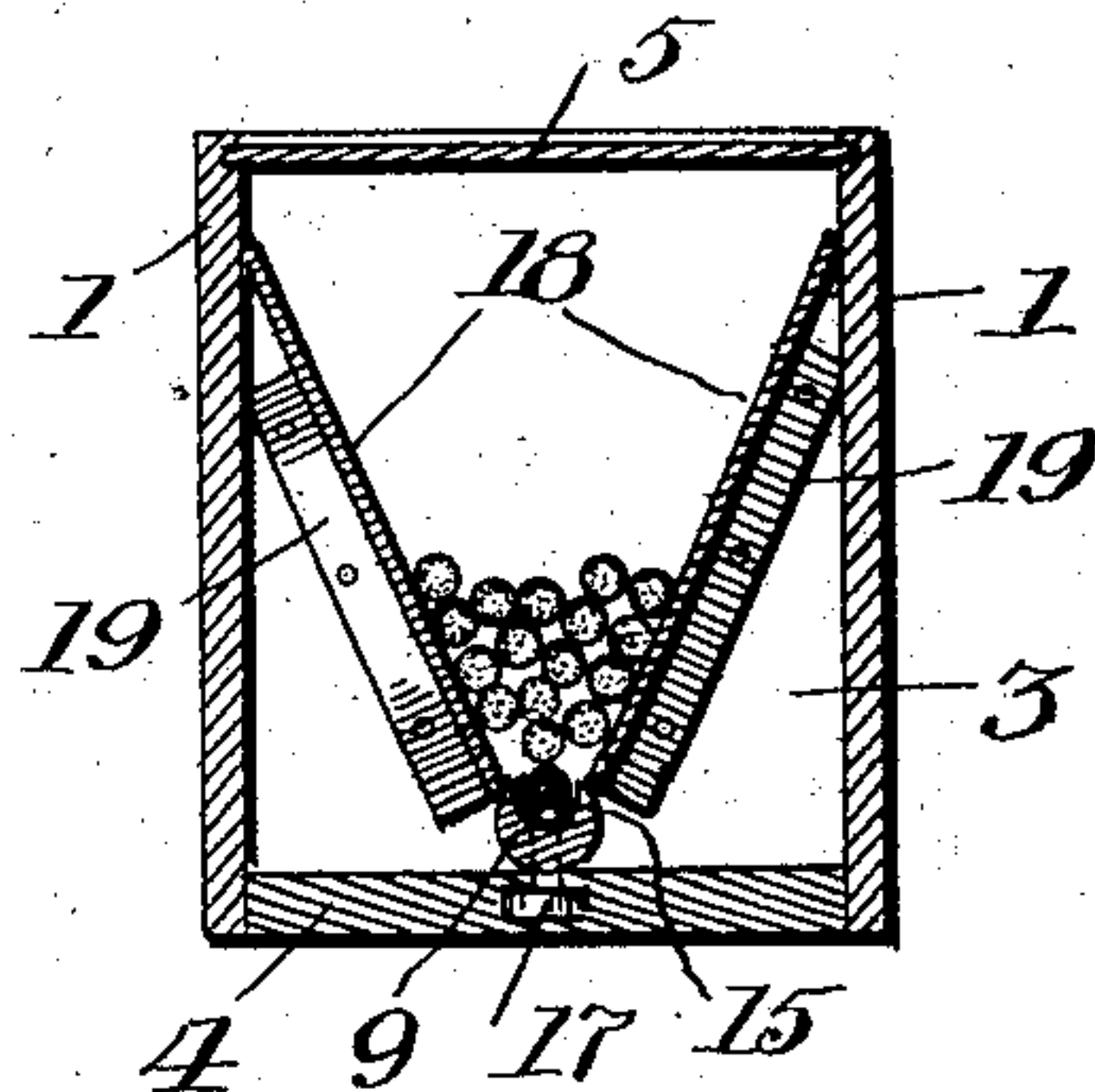
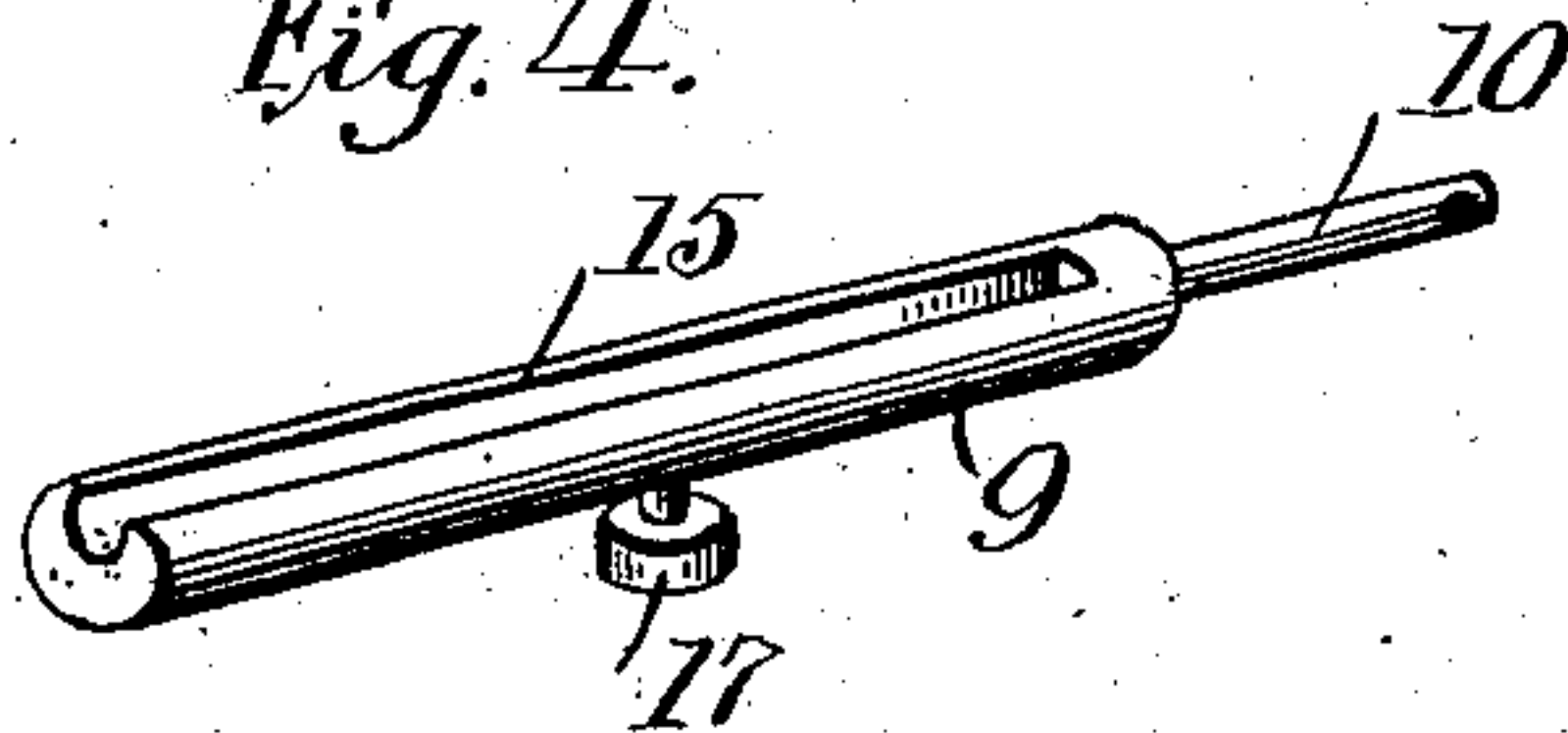


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES J. ULBRICHT, OF CLIFF MINE, PENNSYLVANIA.

MATCH-BOX.

SPECIFICATION forming part of Letters Patent No. 728,522, dated May 19, 1903.

Application filed March 2, 1903. Serial No. 145,709. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. ULBRICHT, a citizen of the United States of America, residing at Cliff Mine, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Match-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in match-boxes, and relates more particularly to that class of match-boxes which are designed to deliver but one match at a time.

Briefly described, the invention embodies a suitable box or casing provided with a suitable lid or cover and having a reciprocatory match-delivering slide in the bottom of the said box or casing. The rear end of this match-delivering slide protrudes through the rear end of the box or casing and is engaged by a pivoted presser-board, by means of which the match-delivering slide is projected through an opening in the front end of the box or casing to deliver the match. Inclined walls or sides are placed within the box, so that the matches are guided down onto the match-delivering slide to be delivered.

All of the above construction, together with other details entering into my invention, will be hereinafter more specifically described and then particularly pointed out in the claims, and in describing the invention in detail reference will be had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference will be employed for indicating like parts throughout the different views of the drawings, in which—

Figure 1 is a detail perspective view of my improved match-box. Fig. 2 is a longitudinal sectional view thereof, showing in dotted lines how the match-delivering slide is projected through the front end of the box. Fig. 3 is a transverse vertical sectional view of the match-box, and Fig. 4 is a detached detail perspective view of the match-delivering slide.

To put my invention into practice, I construct a box or casing, which in the present illustration is shown as being substantially rectangular in outline and embodies the sides 1, front wall or end 2, and rear wall or end 3,

the sides projecting some distance beyond the rear wall 3 and said sides and ends being suitably secured to a bottom 4. The ends 2 and 3 are made of slightly less height than the side walls, and the portions of the side walls which project are provided on their inner faces with grooves to receive the edges of the lid or cover 5, which slides therein and is preferably provided near each end on its upper faces with finger-notches 6, whereby it may be slid outward in either direction for the purpose of giving access to the box for filling the same. The front wall 2 is provided centrally of its width with an opening 7, so placed that the lower wall thereof is flush with the upper face of the bottom 4, and an alining opening 8 is provided in the rear wall 3. The opening 8 is of slightly less diameter than the opening 7, and placed on the bottom 4 of the box or casing is a match-delivering slide 9, the body which is of a length substantially equal to the length between the walls 2 and 3. This match-delivering slide is adapted to be projected through the front opening 7, but is of a diameter so that it will not pass into the opening 8, its rear end normally engaging the rear wall 3. To the rear end of the slide is attached a rod or extension 10, which protrudes through the opening 8, which projects beyond the rear wall 3 and has a spring 11, encircling the same and connected thereto at the outer end, the inner end of the spring abutting against the wall 3. A presser-board 12 is pivoted between the side walls by a pivot-pin 14 and rests adjacent its lower edge against the extension or rod 10. The match-delivering slide is provided from its front end to a point near the rear end in its upper face with a groove 15 to receive the matches.

In the upper face of the bottom 4 is a recess 16, and the match-delivering slide carries a pin 17 to engage in this recess and limit the outward movement of the slide, this pin being preferably headed, as shown, in order to the more securely prevent the lateral movement of the slide.

To the end walls 2 and 3 are affixed inclined side walls 18, preferably constructed of thin sheet metal, tin, or the like, so that the ends thereof may be bent at right angles, as shown at 19, and securely fastened to the

end walls. The matches are placed in the chamber or space in the box between these inclined side walls.

To deliver the matches, the operator presses
5 against the presser-board 12, forcing the lower end of the same toward the end wall 3, and thus causing the same to press against the rod or extension 10 of the slide 9 and project said slide forwardly through the open-
10 ing 7. The lower match of the pile within the box will be within the match-receiving groove 15 of the slide, and as the slide is moved forwardly the match will be carried therewith through the opening 7, where it
15 may be received by the operator. When pressure on the presser-board is relieved, the spring attached to the rod 10 will return the slide to its normal position, and another match
20 groove of the slide ready for the next operation.

While I have herein shown and described the invention in detail as it is practiced by me, yet it will be observed that various
25 changes may be made in the details of construction without departing from the general spirit of the invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters
30 Patent, is—

1. A match-box comprising side walls, end walls and a bottom secured together, said side walls and bottom extending beyond the rear end wall, and said end walls having alining
35 openings, a match-delivering slide mounted on the bottom of the box in alinement with the openings in the end walls, a pin carried by said slide to work in a recess provided therefor in the bottom, a rod or extension on
40 the rear end of said slide, a spring mounted on said rod or extension with its one end attached to the rod and its other end bearing against the rear end wall, and a pivoted

presser-board bearing against said rod or extension for operating the slide to project the
45 same through the front wall of the box or casing, substantially as described.

2. In a match-box, a box or casing, interior inclined side walls attached to the end walls of the box or casing, a match-delivering slide
50 mounted on the bottom of the box or casing and provided in its upper face with a match-receiving groove, a headed pin carried by said slide and engaging in a recess provided therefor in the bottom of the box or casing,
55 an extension or rod carried by the rear end of the slide and projecting beyond the rear end wall of the box or casing, a spring connected to said rod or extension for holding the slide normally retracted, and a pivoted
60 presser-board adapted when forced toward the rear end wall of the box or casing to project the match-delivering slide through an opening provided therefor in the front wall of said box or casing, substantially as described. 65

3. In a match-box, a box or casing having interior inclined side walls, end walls provided with alining openings, a match-delivering slide mounted on the bottom of the box
70 or casing and having a pin working in a recess in said bottom, a rod or extension carried by said slide and projecting beyond the rear end wall of the box or casing, means connected to said rod or extension for holding the match-delivering slide normally retracted,
75 and pivoted means engaging said rod or extension and adapted when pressed toward the rear end wall to project the match-delivering slide through the opening in the front end wall, substantially as described. 80

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

CHARLES J. ULBRICHT.

Witnesses:

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