

No. 740,542.

PATENTED OCT. 6, 1903.

E. C. DAVEY.
SINGLE DELIVERY MATCH BOX.

APPLICATION FILED NOV. 28, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

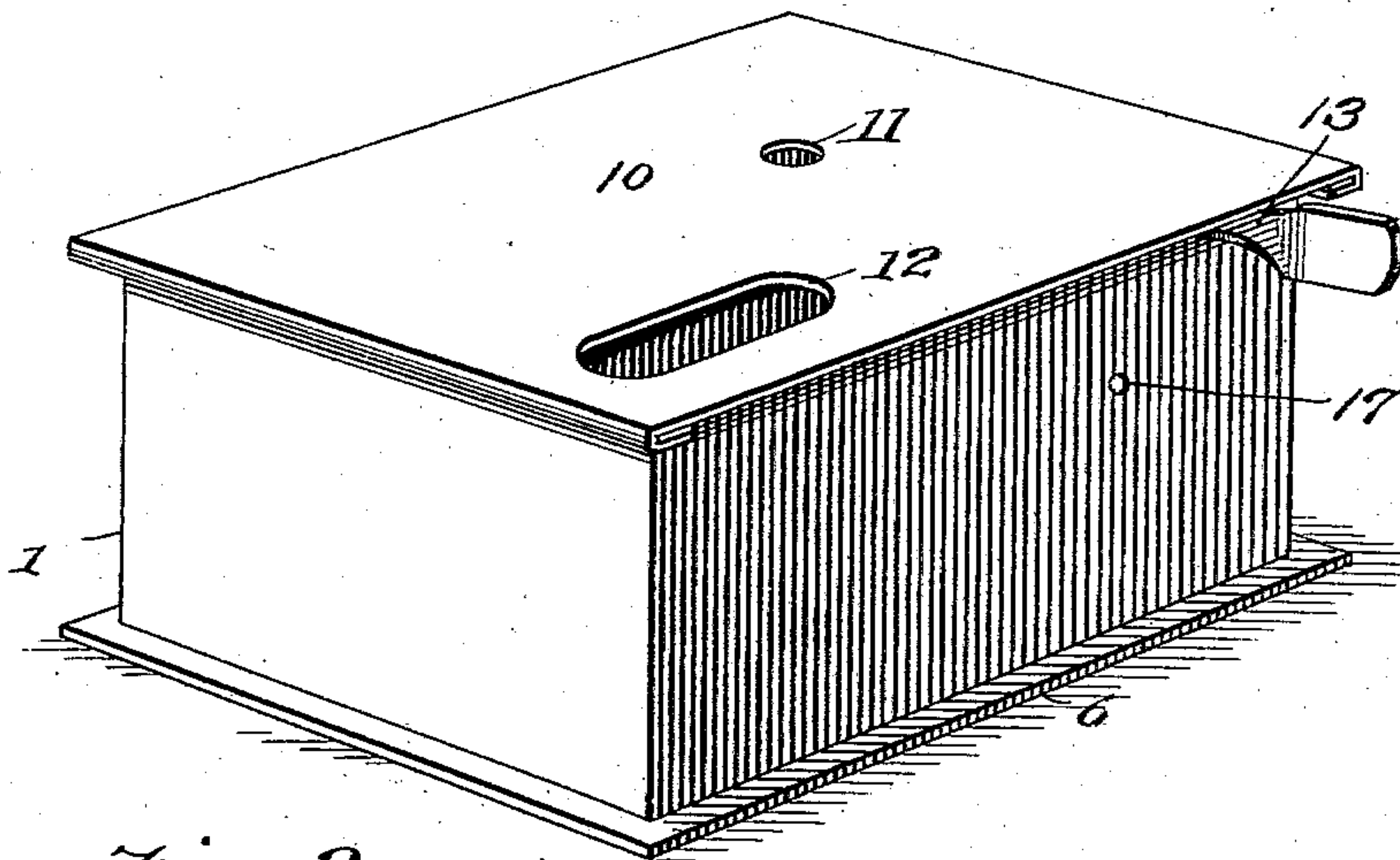


Fig. 2.

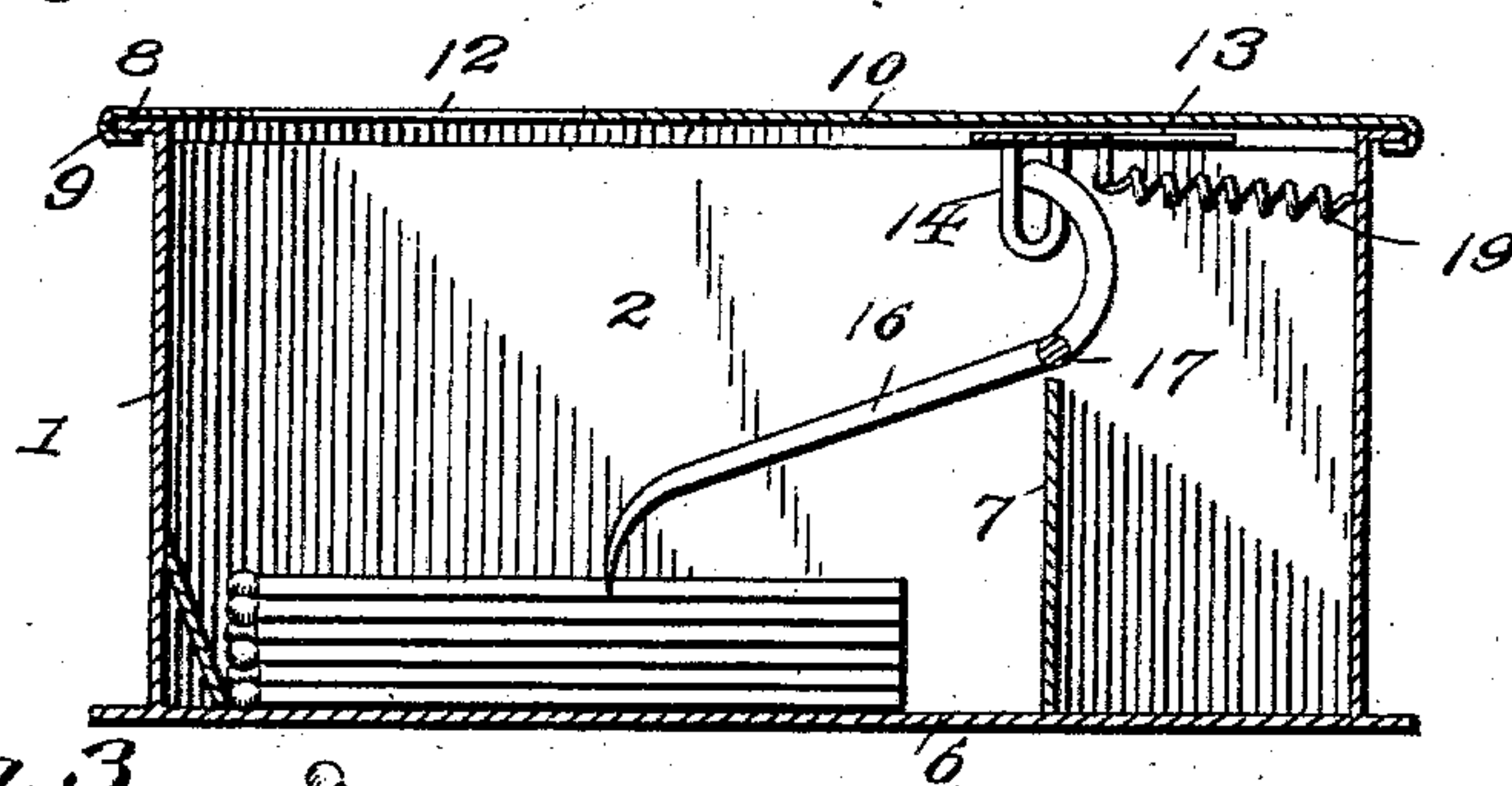
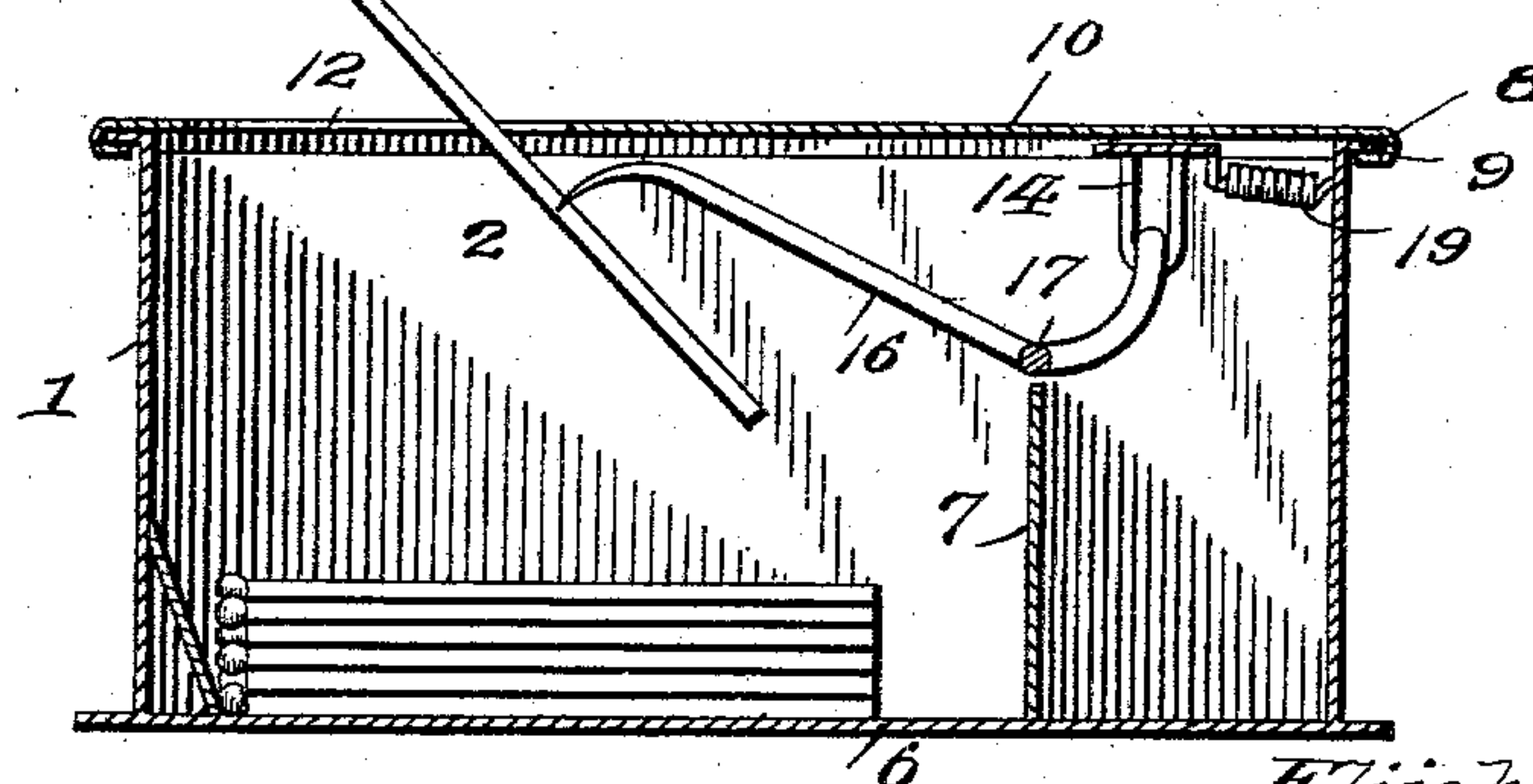


Fig. 3.



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NO MODEL.

2 SHEETS—SHEET 2.

Fig. 4.

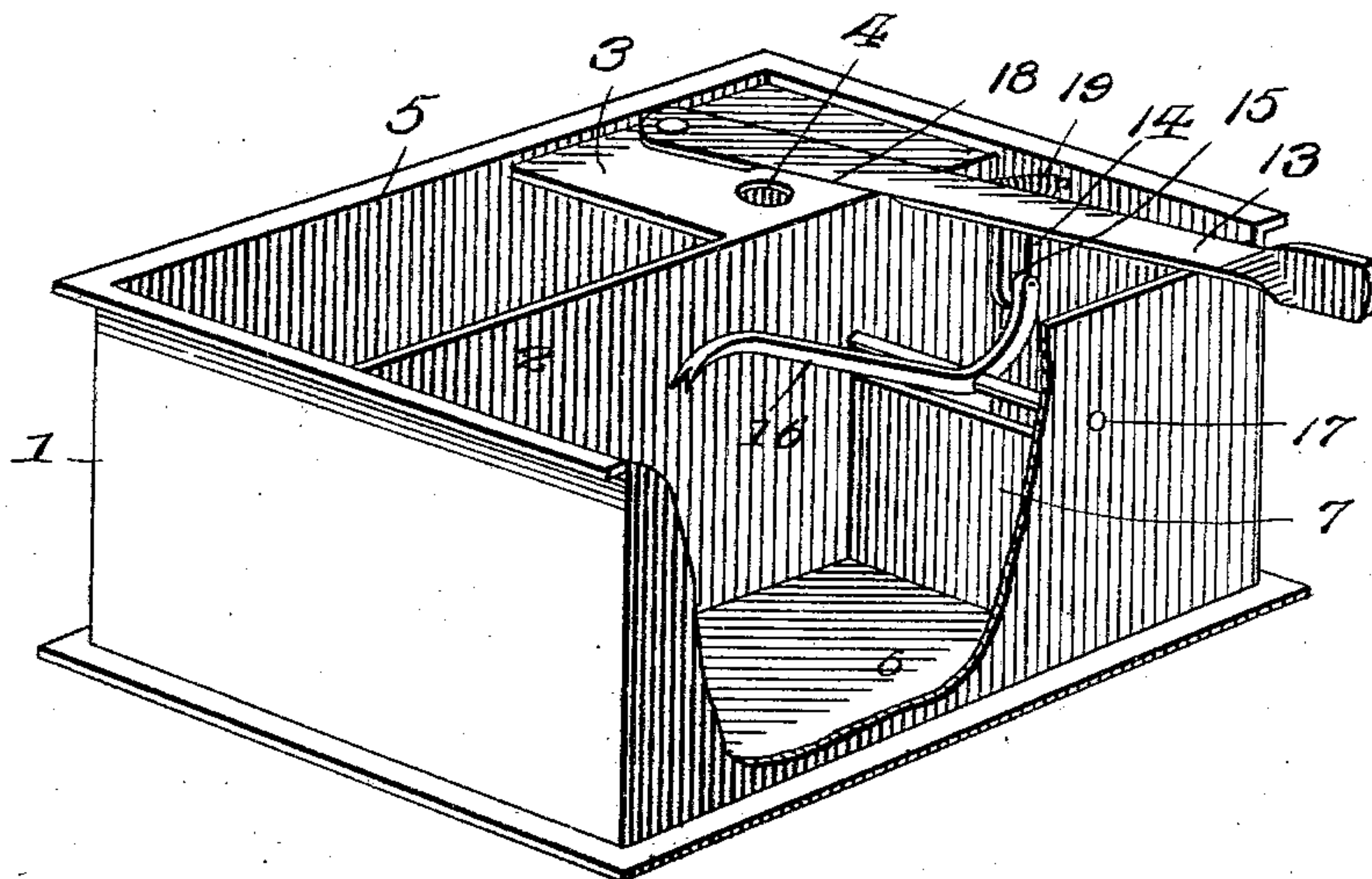


Fig. 5.

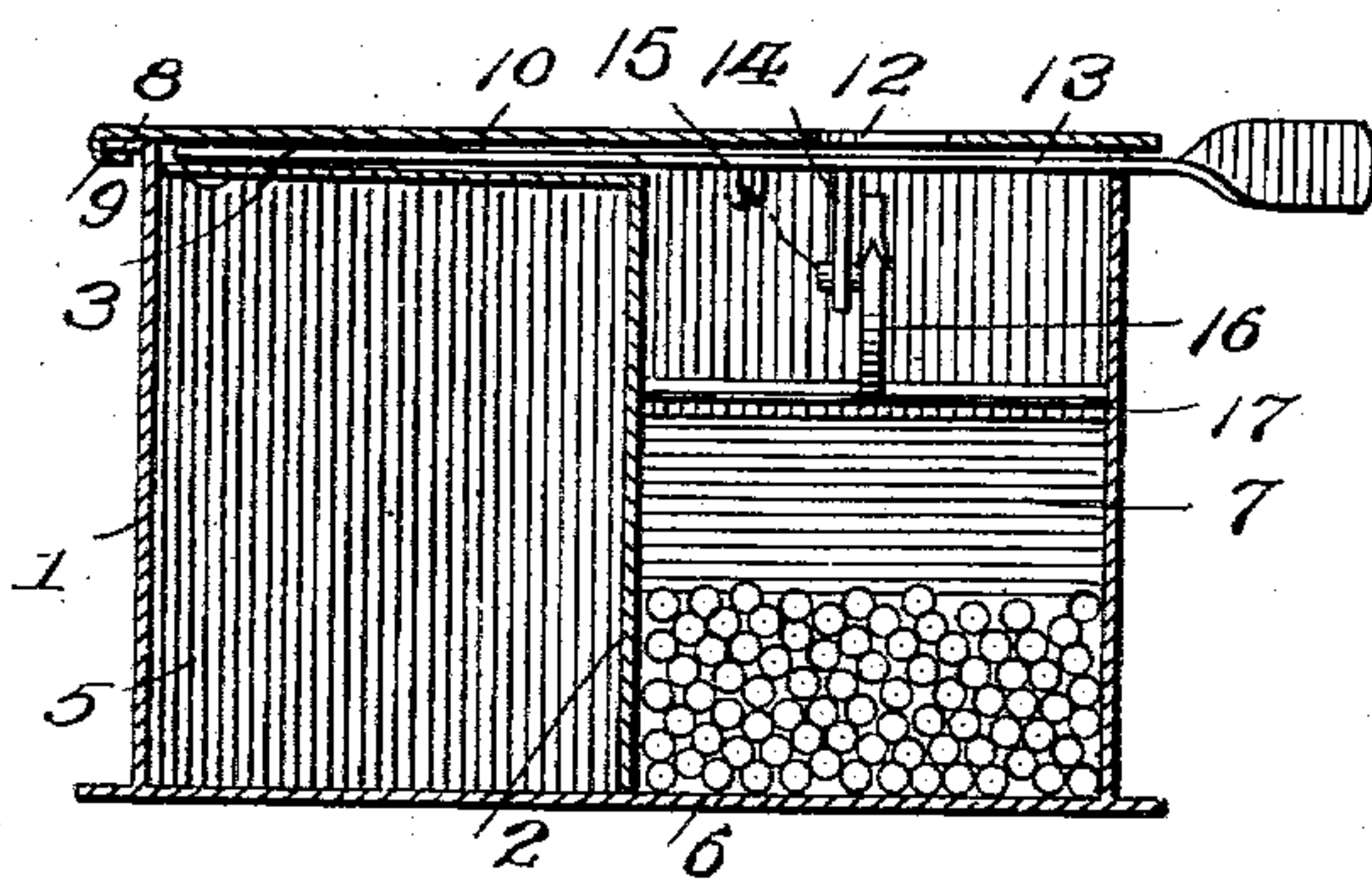


Fig. 6.

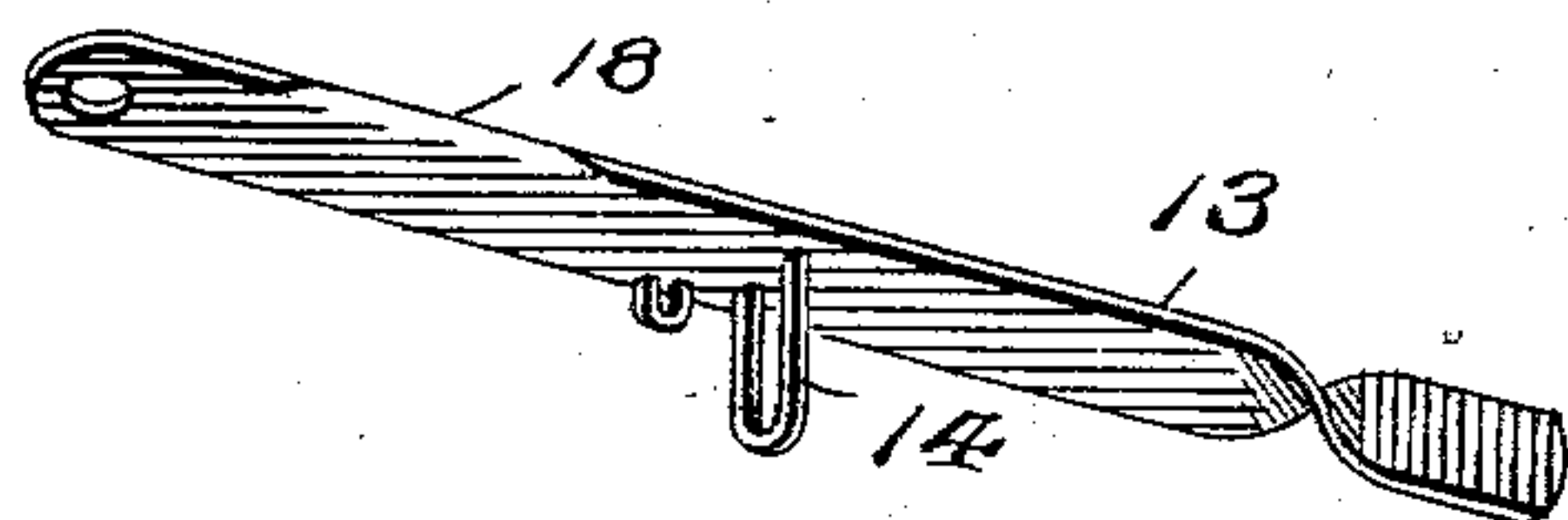
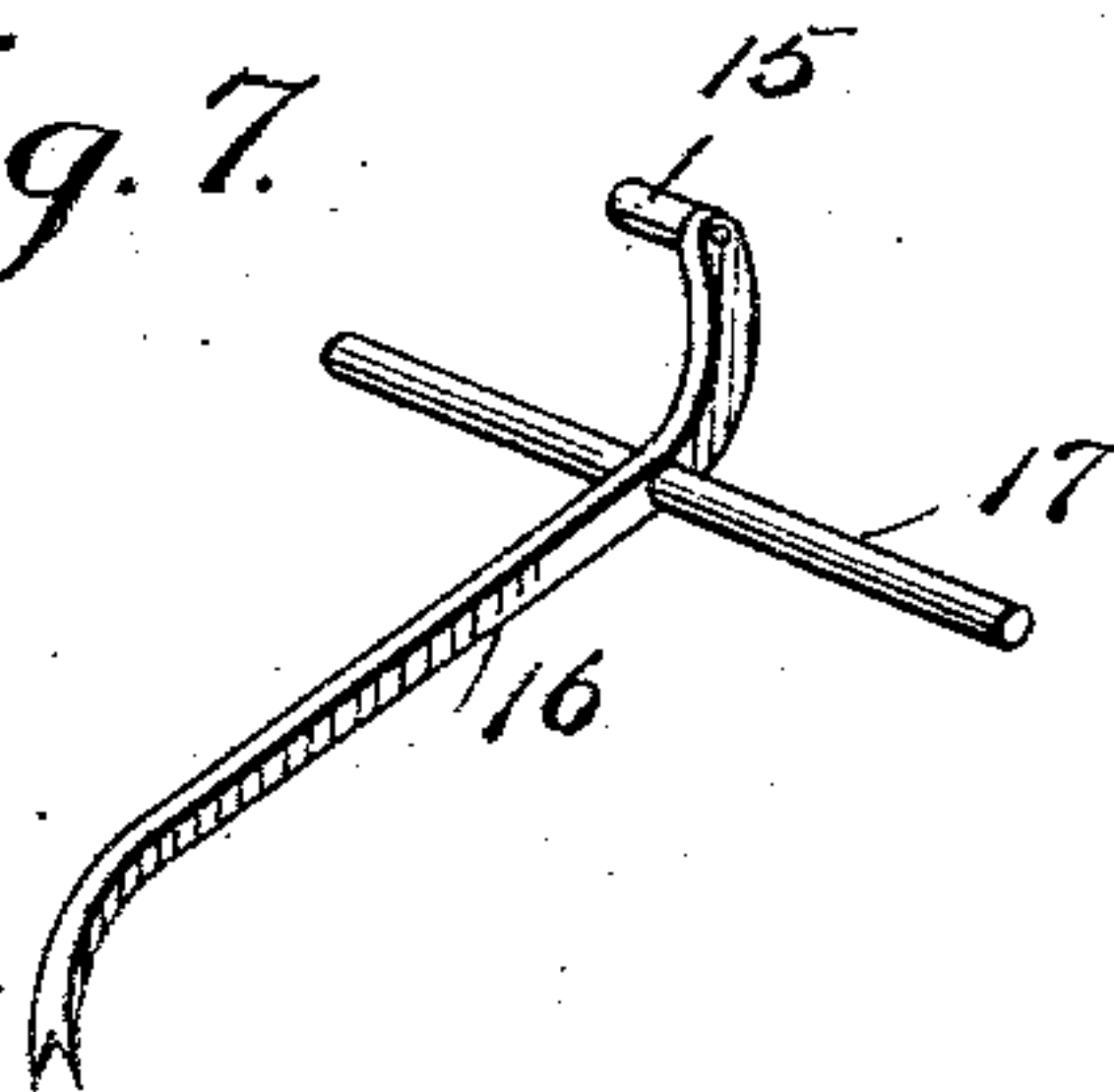


Fig. 7.



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SINGLE-DELIVERY MATCH-BOX.

SPECIFICATION forming part of Letters Patent No. 740,542, dated October 6, 1903.

Application filed November 28, 1902. Serial No. 133,072. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH C. DAVEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Single-Delivery Match-Boxes, of which the following is a specification.

This invention relates to single-delivery match-boxes; and the object of the invention is to provide a match-serving apparatus which can be easily manipulated to project one match at a time through an opening in the casing containing them.

Another object is to provide means for severing the tip of a cigar and project the match through the opening by a single operation.

Other objects, as well as the novel details of construction, will be clearly described hereinafter and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a match-box constructed in accordance with my invention. Fig. 2 is a vertical longitudinal sectional view of the delivery-arm in the act of engaging a match. Fig. 3 is a similar view showing the delivery-arm projecting the match through the opening. Fig. 4 is a perspective view of the interior of the casing, the sliding top being removed and part of the side being broken away to illustrate the interior construction. Fig. 5 is a transverse sectional view through the match-safe. Fig. 6 is a detail perspective view of the actuating-lever. Fig. 7 is a similar view of the delivery-arm.

The reference-numeral 1 designates a casing or receptacle having a longitudinal partition 2. At one end of the partition is a horizontally-projecting plate or flange 3, which extends over to the side of the casing and is secured thereto by any suitable means. This plate is perforated, as at 4, to receive the tip end of the cigar, whereby it can be severed and dropped into the compartment 5, formed by the partition 2. The compartment 6 on the other side of the partition 2 is divided by a vertical partition 7, said compartment 6 constituting a match-reservoir, as will be explained hereinafter. Projecting horizontally from the edges of the several walls of the casing 1 are flanges 8, designed to engage grooves 9 in the sliding top or cover 10. This cover

is provided with a coinciding opening or perforation 11, which registers with the opening 4 in the plate 3, and an elongated slot 12 is formed in the cover, which rests immediately over the match-compartment 6.

The reference-numeral 13 designates a pivoted lever, which is secured to the plate 3 and is provided intermediate its ends with a sharpened edge 18, which is adapted to slide over the opening 4 and under the opening 11, so that when the cigar-tip is inserted in the openings the knife will pass between them and sever the tip, permitting it to drop into the compartment 5.

Depending from the lever 13 is a slotted bar 14, in the slot of which works a pin or lug 15 on one end of a fulcrumed delivery-arm 16, which is carried by a shaft 17, journaled in one side of the match-box and in the partition 2. The rear end of the arm is curved so that a lateral movement of the lever 13 will cause the projection or lug 15 to move vertically in the slot of the bar 14, causing the lever to oscillate, so that the forward end thereof will be raised or lowered, according to the position of the lever 13. The end of the arm 15 opposite to that which engages the bar is formed with depending spurs 18, which are arranged for the purpose of being inserted into a single match when the lever 13 is moved in one direction, but will be raised when the lever is retracted by means of the spring 19. When the spurred end of the lever is raised, the end will rest adjacent one end of the slot 12, causing the match to extend through the slot, as shown in Fig. 3. At the same time that the lever 13 is moved in one direction to depress the delivery-arm the sharp edge will pass between the openings 4 and 11, and in the event that a cigar has been previously inserted in the openings the tip will be severed. The top or cover 10 can be readily slid off the box for the purpose of refilling the match-compartment or removing the cigar-tips from the tip-compartment, also for obtaining access to the mechanism for making repairs, &c.

It will be apparent that a device constructed in accordance with the invention just described will be simple, efficient, and readily perform the services for which it is intended.

Having thus described the invention, what I claim as new is—

In a single-delivery match-box, the combination with a casing having a slot in the top thereof; of a pivoted delivery-arm within the casing having a curved extremity, a lug on
5 the extremity, a laterally-moving pivoted actuated lever carried by the casing, a slotted bar depending therefrom and engaged by the lug on the extremity of the arm, whereby the

lateral movement of the lever will rock the arm to project a match through the slot. 10

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

ELIJAH C. DAVEY.

Witnesses:

WILLIAM GRAY,
FRANCES A. MORRIS.