

H. B. LANE.  
MATCH BOX.

APPLICATION FILED MAY 9, 1908.

920,349.

Patented May 4, 1909.

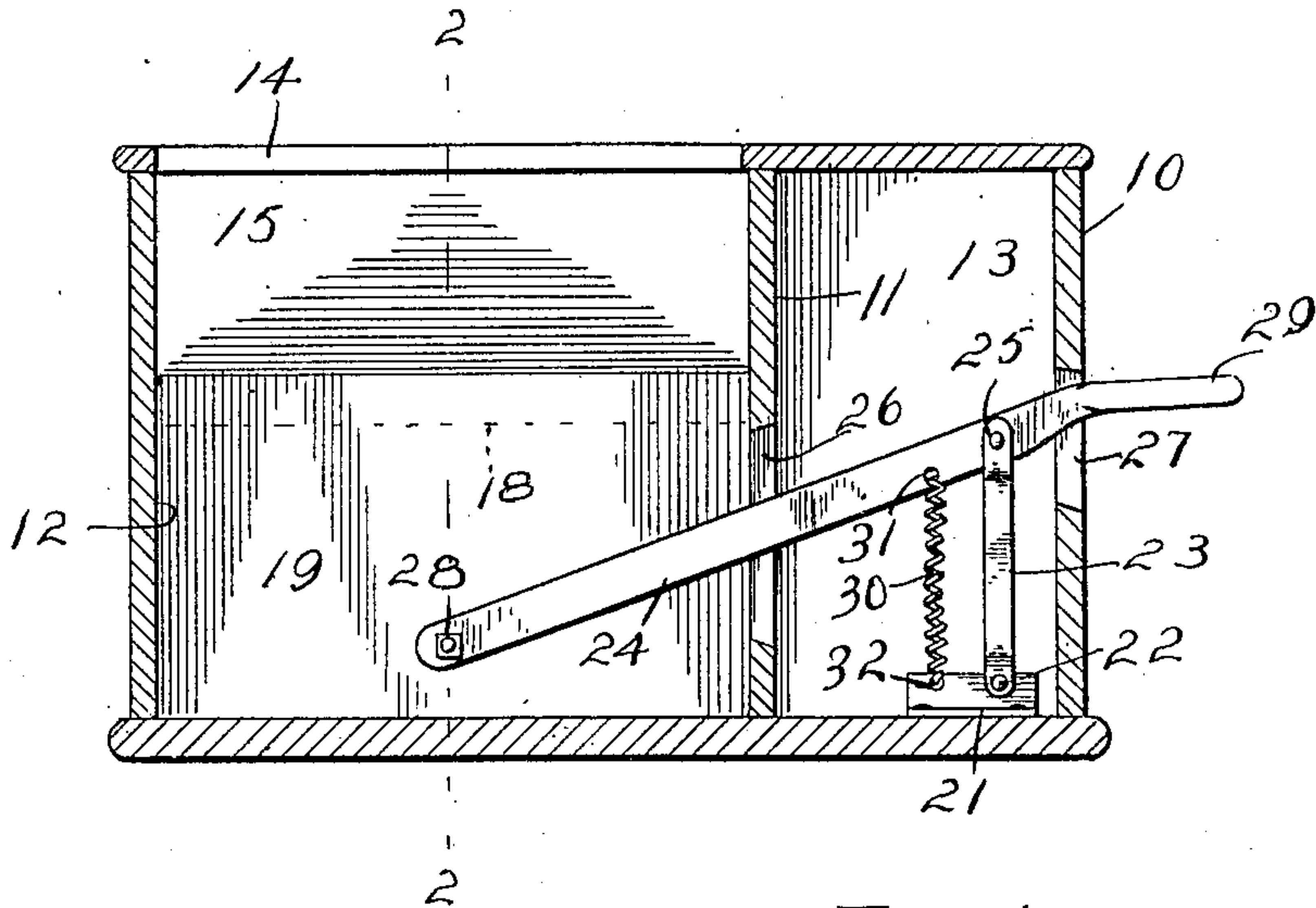


Fig. 1.

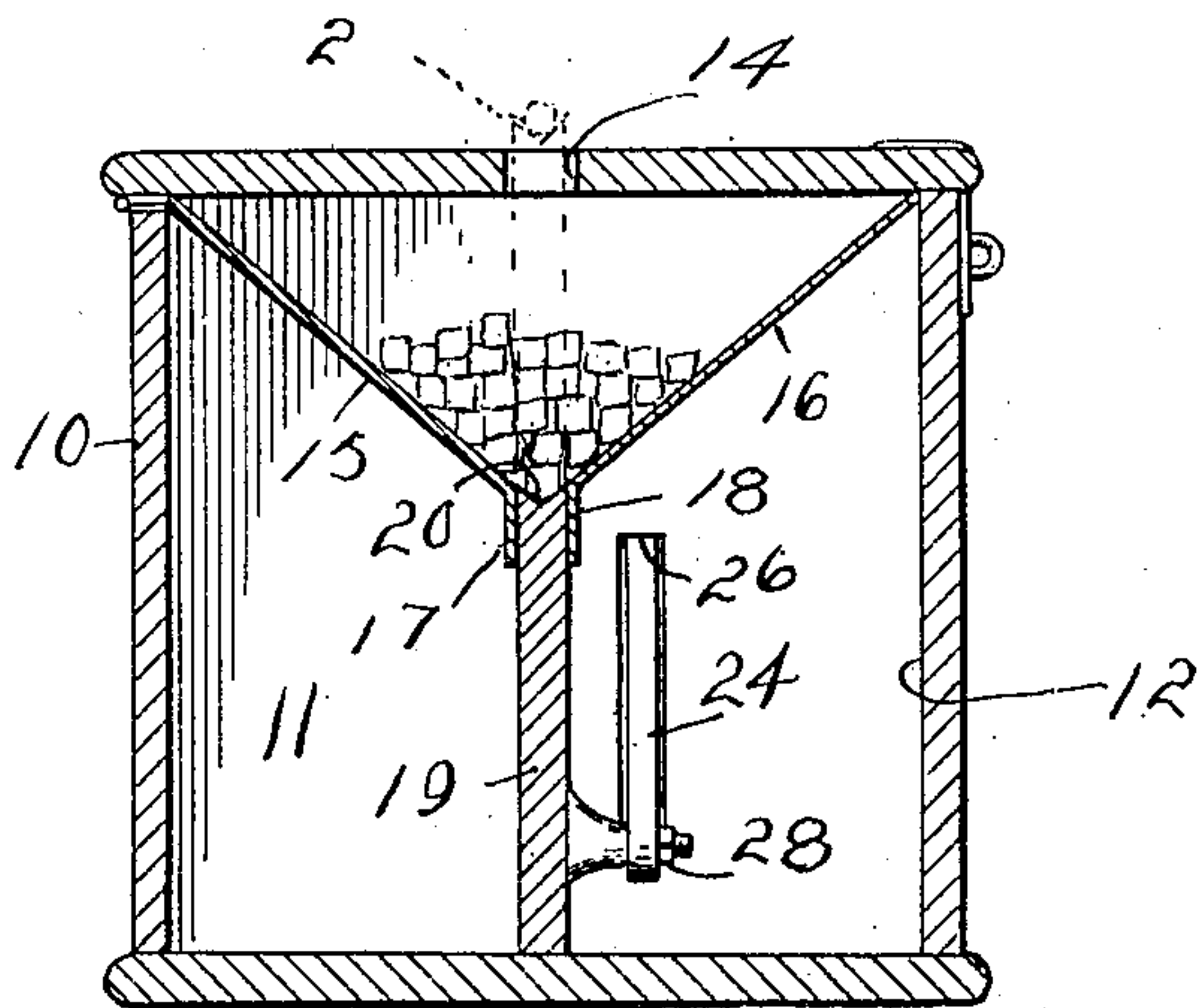


Fig. 2.

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Witnesses

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# UNITED STATES PATENT OFFICE.

HERBERT B. LANE, OF UNION SPRINGS, ALABAMA.

## MATCH-BOX.

No. 920,349.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed May 9, 1908. Serial No. 431,908.

*To all whom it may concern:*

Be it known that I, HERBERT B. LANE, a citizen of the United States, residing at Union Springs, in the county of Bullock, State of Alabama, 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 relates to match boxes of the class wherein provision is made to deliver one match at a time from a receiver or magazine, and has for one of its objects to simplify and improve the construction of devices of this character.

Another object of the invention is to provide a simply constructed device of this character wherein the operating mechanism is concealed and protected.

With these and other objects in view the invention consists in certain novel features of construction hereafter shown and described and then specifically pointed out in the claim, and in the drawings illustrating the preferred embodiment of the invention. Figure 1 is a longitudinal sectional elevation. Fig. 2 is a transverse section on the line 2—2 of Fig. 1.

The improved device comprises a casing closed on all sides and with a transverse partition 11 forming the interior into a relatively large compartment 12 and a relatively small compartment 13. The larger compartment is a little longer than an ordinary friction match, and a slot 14 is formed in the top of the casing extending the whole length of the larger compartment, and constituting the delivery aperture for the match, as hereafter explained.

Disposed within the larger compartment 12 are two reversely inclined plates 15—16 and constituting the bottom of the match magazine and with their lower edges spaced apart and extending downwardly as at 17—18 in parallel relations and forming guides for a delivery member 19 which is arranged with its lower edge resting normally upon the bottom of the casing and its upper edge between the

guides 17—18. The upper edge of the plate 19 is formed with a V shaped longitudinal channel 20 merging into the upper surfaces of the plates 15—16, and forming a movable portion of the magazine bottom.

Disposed in the bottom of the smaller compartment 13 is a step member 21, and swinging by a pivot 22 from this step is a bar 23, while a lever 24 is pivoted at 25 intermediate its ends to the upper end of the bar.

The lever extends at one end into the compartment 12 through a slot 26 in the partition 11 and at the other end through a slot 27 in the end of the casing.

The inner end of the lever 24 is pivoted at 28 to the delivery plate 19 and provided at the outer end with a handle 29 outside the casing.

A spring 30 is connected at 31 to the lever 24 and at 32 to the step 21 and exerting its force to maintain the outer end of the lever 25 yieldably in its upper position and the delivery plate 19 in its withdrawn position. By this arrangement it will be obvious that when the outer or handle end 29 of the lever 24 is depressed the delivery plate 19 will be elevated, the swinging bar 23 preventing any binding action between the lever and plate. By this simple arrangement it will also be obvious that with a supply of matches in the magazine, one match will always rest in the groove 20, and then when the outer or handle end of the lever is depressed, the delivery plate 19 will be elevated through the mass of matches and carry the particular match which rests in its groove through the remaining matches and deliver it through the slot 14, in convenient position for the person requiring it.

The groove 20 will be just large enough to receive one match only, hence one match only will be delivered at each action of the lever.

The device is simple in construction, can be inexpensively manufactured, and operates effectually for the purposes described.

What is claimed, is:—

In a device of the class described, a closed casing having a slot in the top thereof, converging division plates within the casing and



forming a compartment within said slot, a  
delivery plate operating between said divi-  
sion plates, a step including a vertical web  
arranged within said casing, a standard  
5 swinging at one end from said web, a lever  
pivoted intermediate its ends to the other  
end of said standard and pivoted at one end  
to said delivery plate, and a spring connected

at one end to said web and at the other end  
to said lever. 10

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

HERBERT B. LANE.

Witnesses:

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