

912,381.

R. E. JOHNSON.
MATCH BOX.
APPLICATION FILED AUG. 13, 1906.

Patented Feb. 16, 1909.
2 SHEETS—SHEET 1.

Fig. 1.

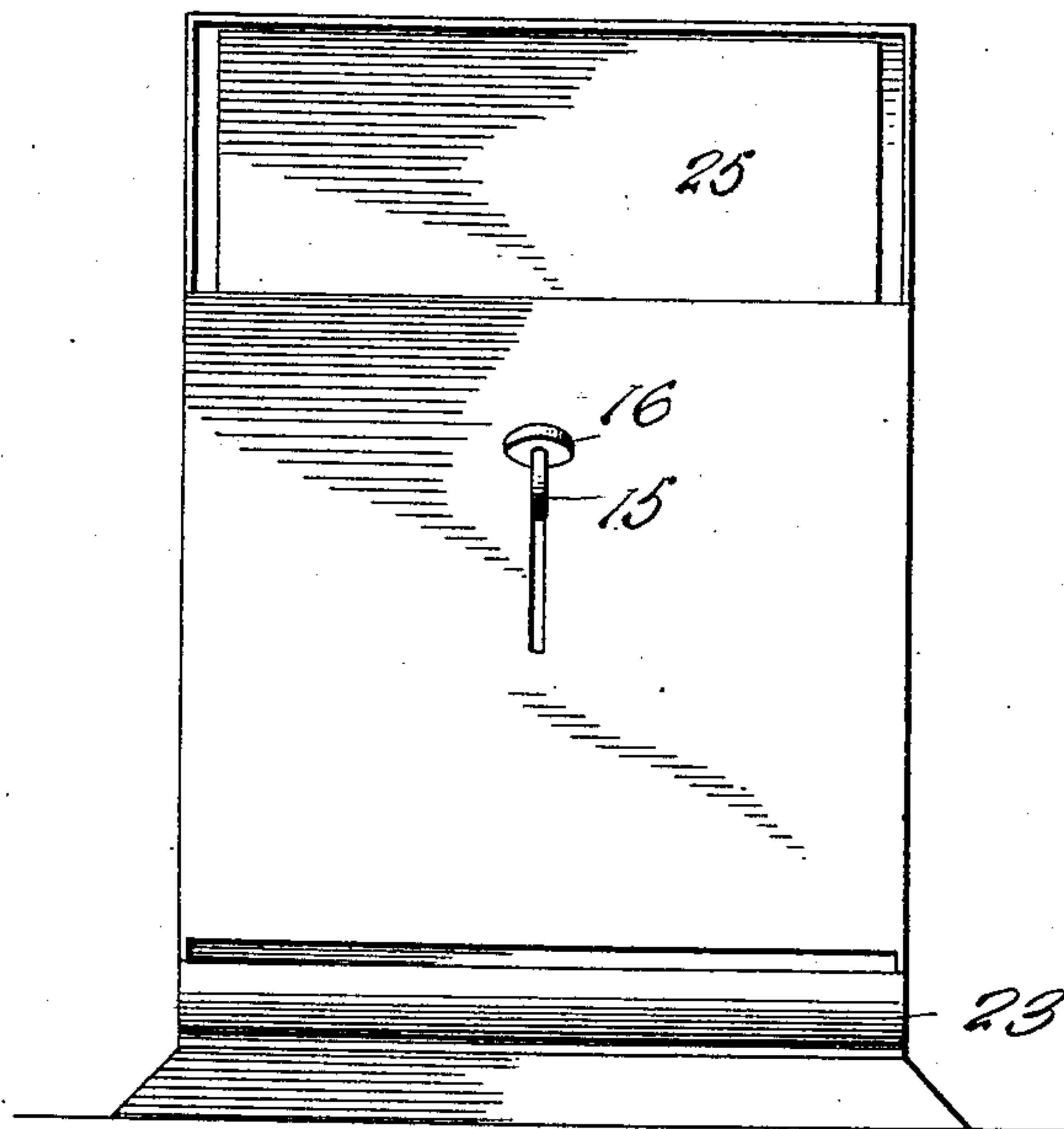
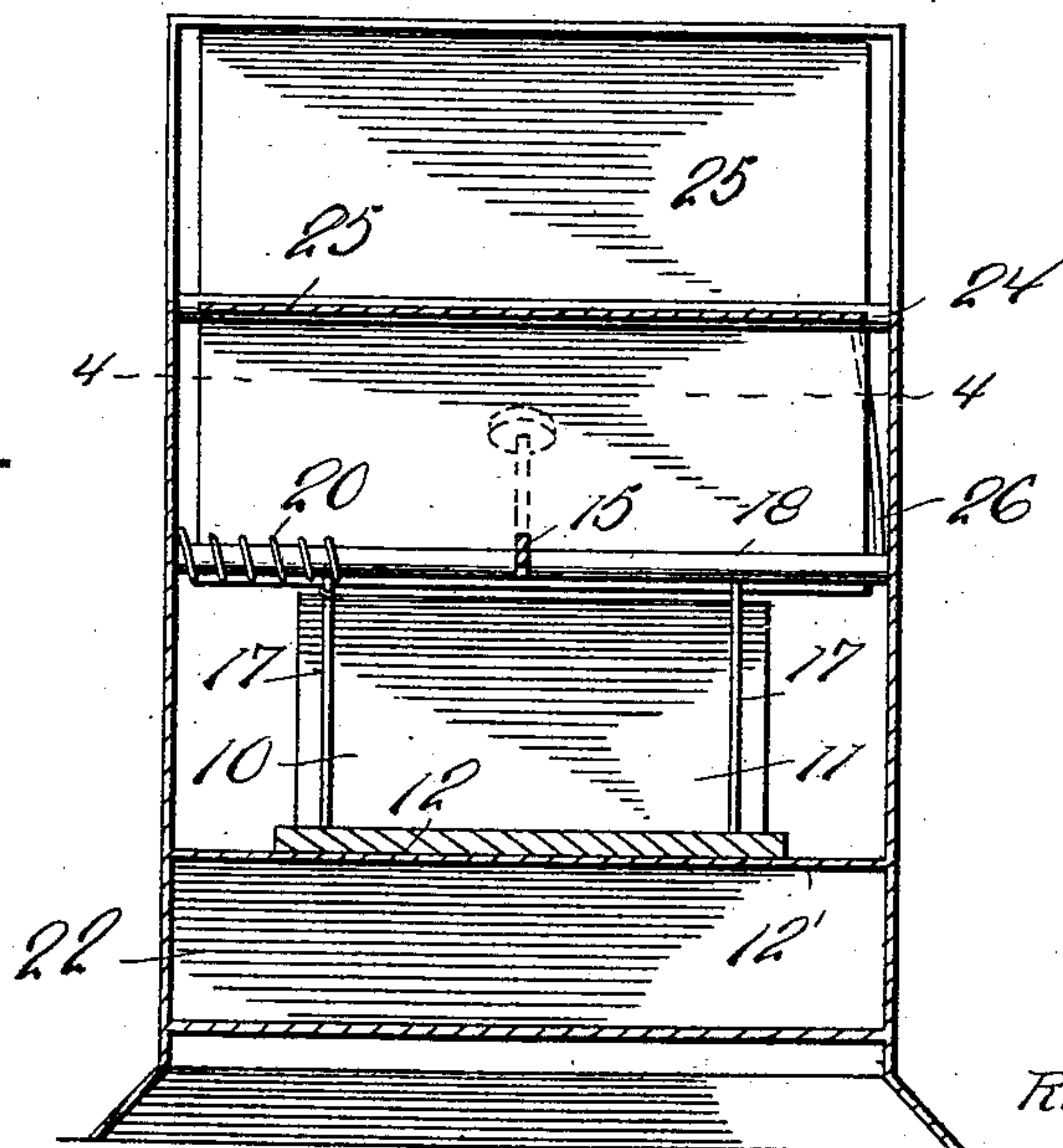


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

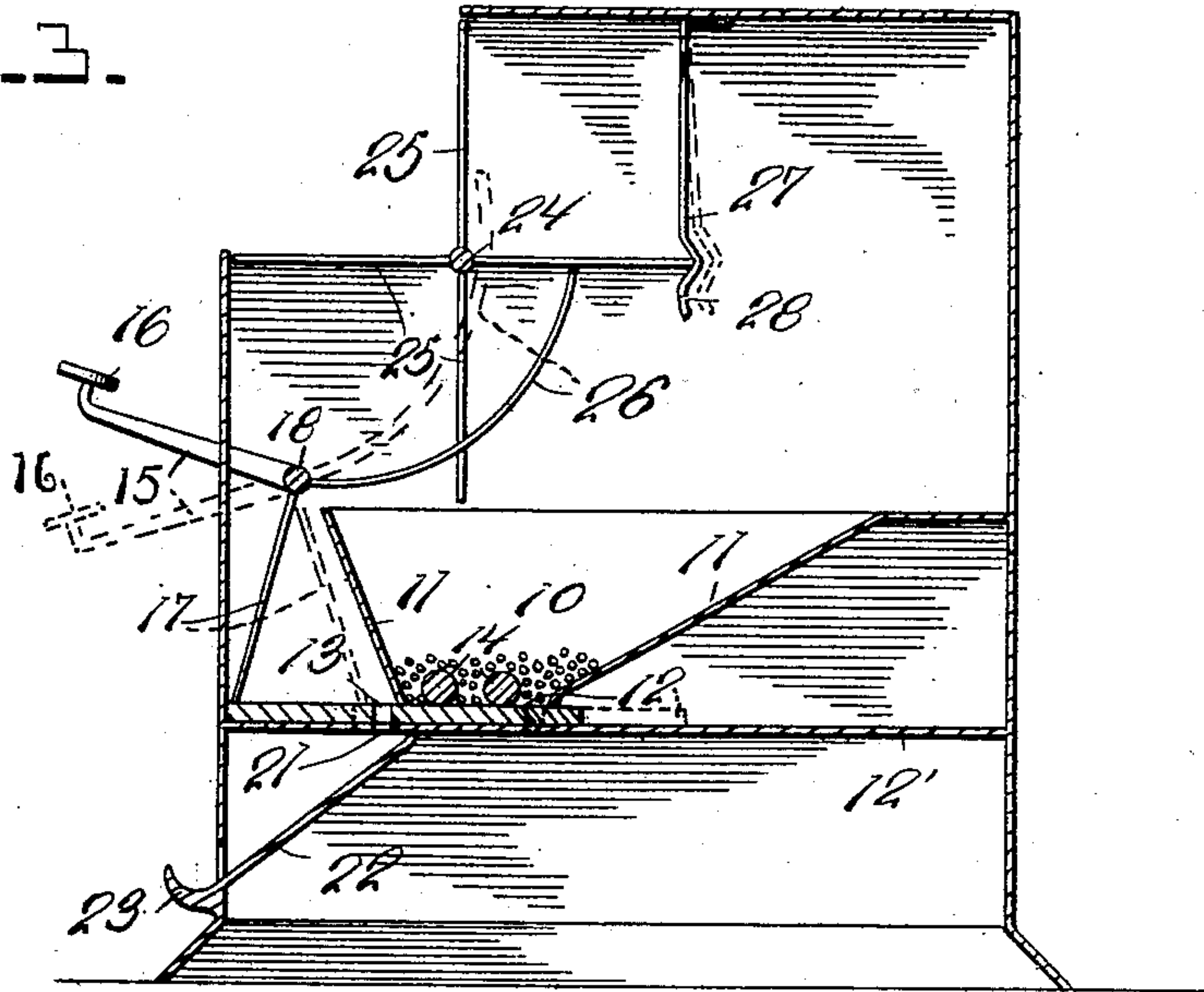
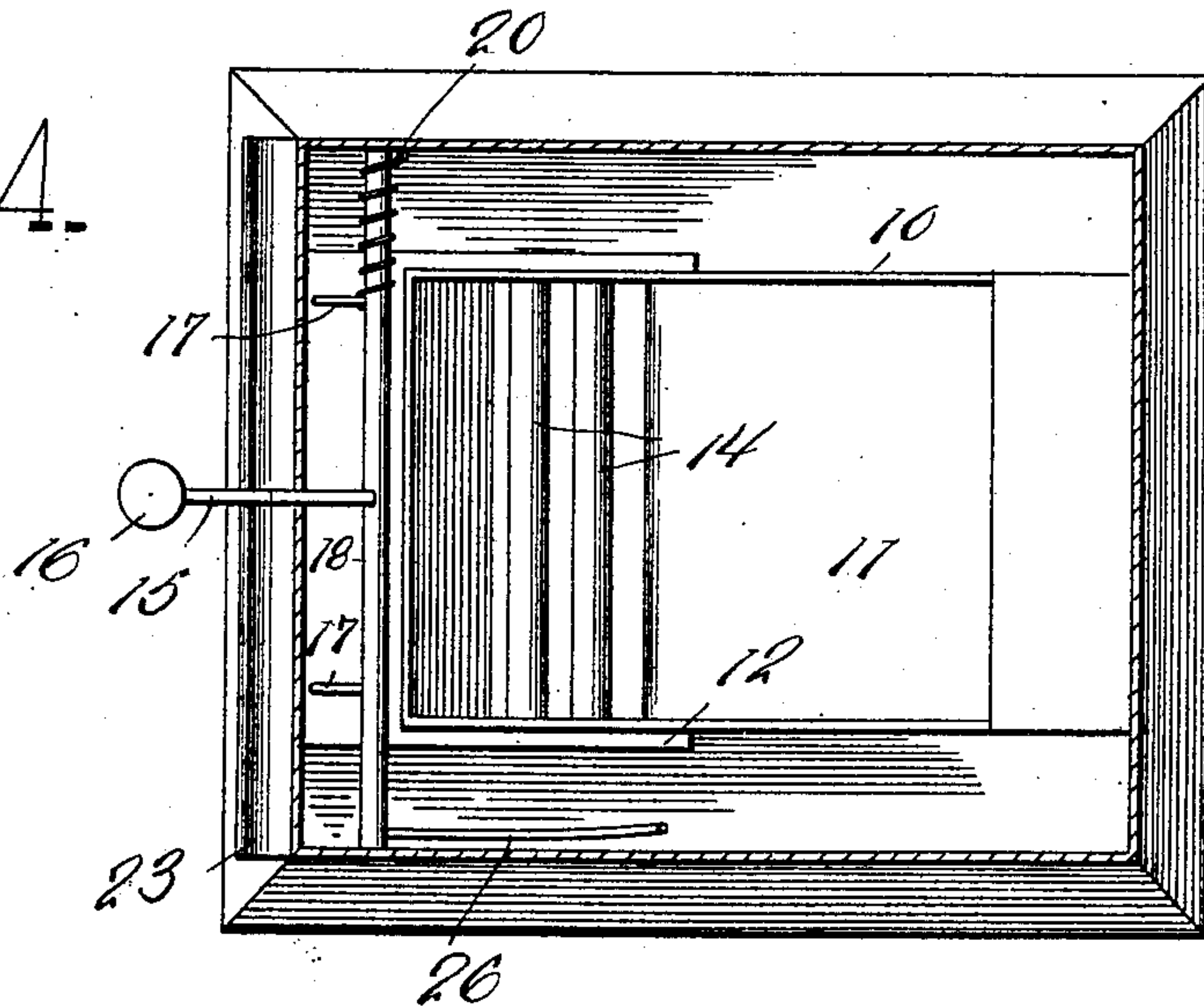


Fig. 4.



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UNITED STATES PATENT OFFICE.

RANSOM E. JOHNSON, OF SPOKANE, WASHINGTON, ASSIGNOR OF ONE-HALF TO JOHN W. SMITH, OF SPOKANE, WASHINGTON.

MATCH-BOX.

No. 912,381.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed August 13, 1906. Serial No. 330,342.

To all whom it may concern:

Be it known that I, RANSOM E. JOHNSON, a citizen of the United States, residing at Spokane, in the county of Spokane, State of Washington, 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 match-delivering match boxes and advertising machines; and it has for its object the provision of a contrivance of the kind mentioned, that shall be entirely efficient in both matters which it is designed to accomplish or effect, and be so economical in manufacture and so well suited to its purpose as to be of general want.

The nature of the invention has been so far disclosed in the foregoing statement as to enable me to proceed at once with a detailed disclosure of the same in connection with the annexed drawings, forming a part of this specification, pointing out the improvement with distinctness and particularity in the subjoined claim.

Of the said drawings:—Figure 1 is a front elevation of the match box. Fig. 2 is a transverse sectional view of the device. Fig. 3 is a longitudinal section of the same. Fig. 4 is a horizontal section on the line 4—4 of Fig. 2.

Similar figures of references designate similar parts or features of the invention, as the case may be, wherever they occur.

In the drawings, 10 designates the match box with inclined sides 11 forming a hopper, and a sliding false bottom 12, in which there is a slot 13 formed through it, into which a single match from the match box may drop or be fed; and a real bottom 12' having a slot 21.

14, 14 are rollers placed in the bottom of the box in spaced relationship to each other and parallel with the matches to facilitate the feeding of a single match into the slot 13, as will be done by moving the bottom 12 back and forth, which latter function may be accomplished by the depression of the lever 15 having a press-button 16 on its outer end and arms 17 extending down from its shaft 18 and entering a recess 19 in the upper face of the bottom 12. It will be under-

stood, of course, that the lever 15 and arms 17 are rigidly secured to the shaft 18. A spring 20 is coiled about the shaft 18 and operates with a tendency to move the sliding bottom back after it has been moved forward by the depression of the lever 15 and the action of the arms 17.

When the sliding bottom is moved forward far enough for the slot 13 to register with the slot 21 in the permanent or real bottom 12' of the match-chamber or box 10, the match in said slot 13 will drop through the slot 21 and roll down the incline 22 on the receptacle 23, whence it may be taken and used; and the spring 20, acting on the rod 18, around which it is coiled, will, through the intervention of the arms 17, move the slidable bottom 12 back to normal position to receive another match in the slot 13 for the next operation.

Above the match box 10 is a rotary shaft 24, suitably supported, to which is attached four advertising wings 25, extending from their edges out radially, and so that when the lever 15 is depressed by placing a finger on the button 16, one of the said wings 25 will be brought up into vertical position before the operator, by the action of the ends of two arms 26 connected with the shaft 18 acting on the backs of the said wings 25 to move them in the direction indicated by the arrows. A pendent spring 27, provided with a recess 28, will receive into it the edge of the wing 25 next to be displayed and stop it in horizontal position, so that each displayed wing will be stopped and held in vertical position.

It will be noted that the device can be made of sheet metal and wood at little cost, and that it will operate with certainty to deliver a match and display an advertising wing 25 at each depression of the lever 15. It is also to be noted that changes may be made in the construction and arrangement of parts and features, within the scope of mechanical ingenuity, without departing from the general nature and spirit of the invention.

What is claimed as the invention, is:—

In a match box, the combination with a housing having a slotted bottom, of a slotted false bottom sliding upon said housing bottom, a hopper above said sliding bottom, two parallel rollers within said hopper and above said sliding bottom, a spring held

rock shaft, an operating lever extending
from said shaft, an arm extending from said
shaft and engaging said sliding bottom; a
receptacle below said slotted bottom, a ro-
5 tary shaft above said hopper, wings secured
to said rotary shaft, an upwardly extending
arm projected from said rock shaft and en-
gaging said wings, and a pendent spring

successively engaged by said wings, all ar-
ranged as set forth.

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In testimony whereof, I affix my signa-
ture, in presence of two witnesses.

RANSOM E. JOHNSON.

Witnesses:

C. M. DURLAND,
LULU JOHNSON.