

(No Model.)

S. GREEN.
MATCH CABINET.

No. 578,818.

Patented Mar. 16, 1897.

Fig. 1.

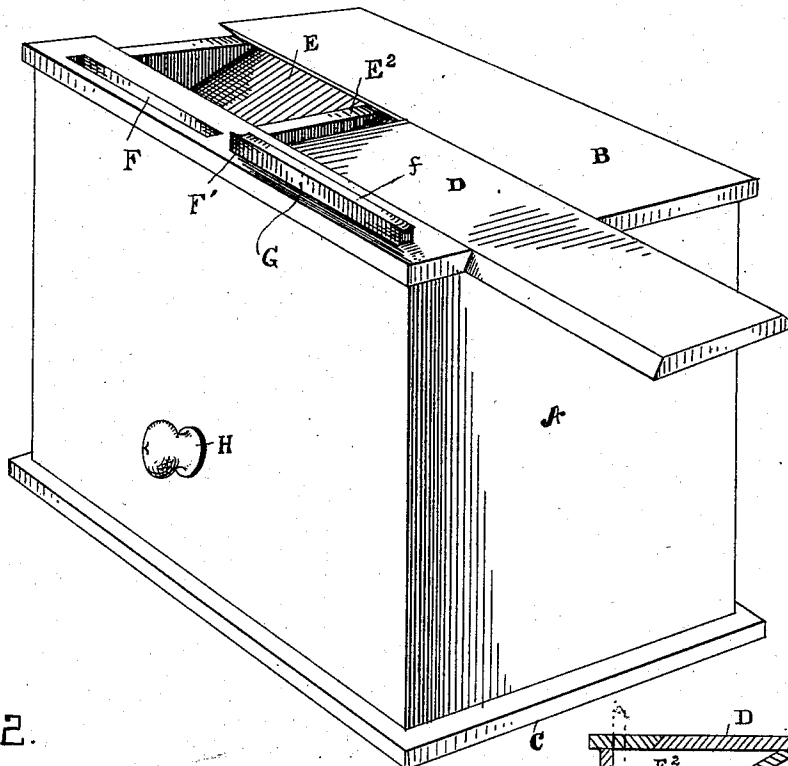


Fig. 2.

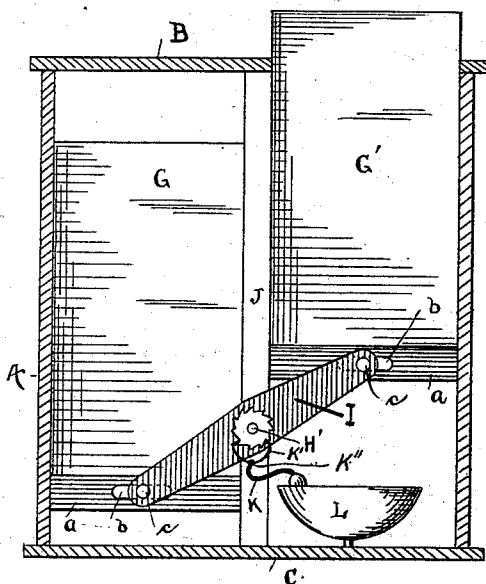
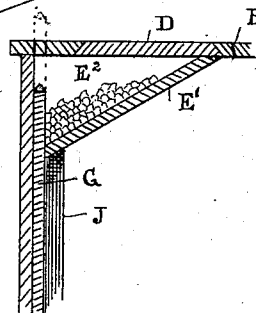


Fig. 3.



WITNESSES:
Arthur Keithley.
B. Johnson.

INVENTOR
Sanford Green
By L. M. Thurlow
ATTY.

UNITED STATES PATENT OFFICE.

SANFORD GREEN, OF BRIGHTON, IOWA, ASSIGNOR TO CHARLES A. DEWEY,
OF CANTON, AND BASIL W. THOMPSON, OF PEORIA, ILLINOIS.

MATCH-CABINET.

SPECIFICATION forming part of Letters Patent No. 578,818, dated March 16, 1897.

Application filed September 7, 1895. Serial No. 561,743. (No model.)

To all whom it may concern:

Be it known that I, SANFORD GREEN, a citizen of the United States, residing at Brighton, in the county of Washington and State of Iowa, have invented certain new and useful Improvements in Match-Cabinets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to

10 which it appertains to make and use the same. This invention relates to match-boxes, more especially to that class thereof known as "single delivery;" and the object of the same is to effect certain improvements in the construction of devices of this character.

15 To this end the invention consists in a cabinet containing a hopper and having a delivery-opening leading therefrom, a match-carrying slide moving through the hopper and adapted to pass one match at a time out said opening, means for raising and lowering the slide, and a bell connected with said means whereby the operation of the slide will sound an alarm; and the invention consists, further,

25 in the details of construction whereby this general idea is carried out, all as hereinafter more fully described and claimed, and as illustrated in the drawings. Letters of reference correspond in the drawings and specification.

30 Figure 1 represents a perspective view of the cabinet. Fig. 2 is an interior view of the cabinet, showing slides and mechanism. Fig. 3 is a detail view of a section of the cabinet, showing the edge of the slide.

35 A represents the walls of the cabinet proper or receptacle, and B and C the top and bottom, respectively. The top is provided with a slide or cover D. It is also provided near one side with the slots F and F', as shown.

40 A pair of slides G and G' are located in the interior of the cabinet against the front side thereof, and a partition J separates the slides. Sufficient play is left between the side walls of the cabinet and the said partition J to permit the slide to rise and lower smoothly. To the lower end of each of the slides is secured a strip *a*, having a horizontal slot *b* cut therein. To the partition J is pivoted an arm I. Said arm is pivoted at its middle to the said partition J and either end carries a pin *c*, which

engage the slots *b* of the slides. The pivot H' of the said arm continues through the front of the cabinet and terminates in a knob or handle H on the outside. It will now be seen 55 that by turning the said knob in either direction the slides are raised and lowered alternately. The slides are of such length as to reach above the top of the cabinet through the slots F and F', as shown. 60

Immediately below the top B is a hopper E, formed by the sloping bottom E'. This bottom slants forward or toward the slides G and G'. The hopper thus formed is provided with a central partition E'', which forms two compartments sufficiently long to permit matches to lie easily within each of them. Now when the knob is turned it carries one of the slides downward slightly below the upper surface of the bottom E', permitting the matches to roll 65 or fall upon the notched or grooved end of the slide. Then when the direction of movement of the knob is reversed the slide carries one match upward through the slot in the top of the case and at the same time the opposite 70 slide is lowered and receives a match to be raised within reach. 75

Any form of alarm-bell striking mechanism may be used. I have, however, shown one form to complete the device and which consists simply of an escapement-wheel affixed to the end of the pivot H' and which turns with every movement of the arm I. A hammer or clapper K is pivoted at K'' to the partition and carries at the end opposite to its 80 weighted striking end an anchor-shaped pawl K', which engages the said escapement-wheel. Thus every movement of the arm I causes the ringing of the bell. 85

What I claim as new, and desire to secure 90 by Letters Patent, is—

1. In a match-cabinet, the combination with a hopper having an inclined bottom and provided with a delivery-opening, a slide moving through the hopper past the lower edge of its 95 bottom and having its upper end shaped to carry a match to said opening, a shaft journaled longitudinally through said cabinet and having a knob outside the same, and an arm fast on the shaft with its end loosely connected 100 with said slide; of a ratchet fast on the shaft, an escapement engaged by the ratchet, a clap-

per moved by the escapement, and a bell which the clapper strikes at each movement of the shaft, as and for the purpose set forth.

2. In a match-cabinet, the combination with
5 a receptacle containing a hopper having an inclined bottom, said receptacle having a delivery-opening near its top, a slide moving through the hopper and its upper end adapted to deliver a match out said opening, and man-
10 ually-operated devices for raising and lowering said slide; of a bell within the cabinet, a ratchet mounted on said operating devices, an escapement engaging the ratchet, and a clapper carried by the escapement adjacent
15 the bell whereby the latter is rung at each upward movement of the slide, as and for the purpose set forth.

3. In a match-cabinet, the combination with the receptacle having a transverse partition
20 and containing hoppers on opposite sides

thereof, the receptacle having delivery-openings above the hoppers, slides on opposite sides of the partition moving through said hoppers and having their upper ends shaped to carry one match to each delivery-opening, 25 a shaft journaled longitudinally through said partition and having a knob outside the receptacle, and an arm fast on the shaft with its ends loosely connected with said slides; of a ratchet fast on the shaft, an escapement en- 30 gaged by the ratchet, a clapper moved by the escapement, and a bell which the clapper strikes at each movement of the shaft, as and for the purposes set forth.

In testimony whereof I affix my signature 35 in presence of two witnesses.

SANFORD GREEN.

Witnesses:

A. W. AULD,
M. SMITH.