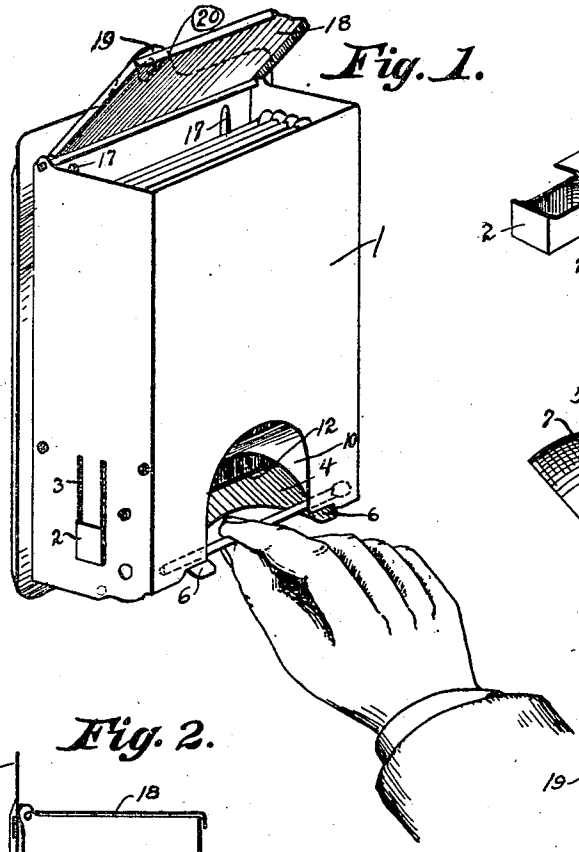
No. 825,078. PATENTED JULY 3, 1906.

A. A. SCHOEN.

SINGLE DELIVERY MATCH SAFE.

APPLICATION FILED SEPT. 18, 1905.

Fig. 1.



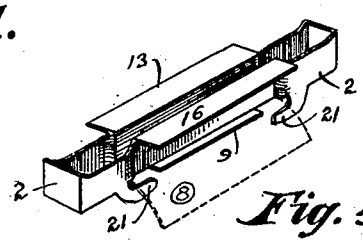




Fig. 4.

Fig. 5.

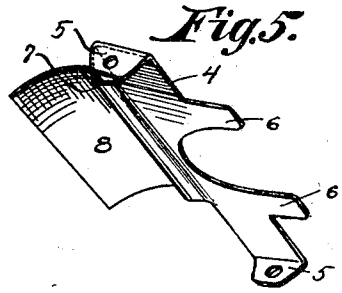



Fig. 2.

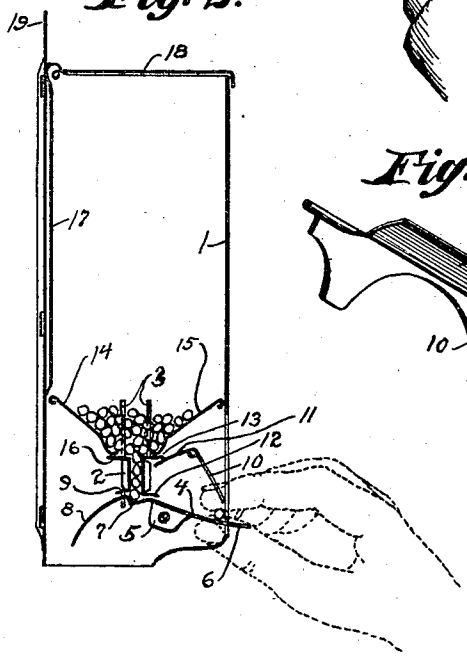
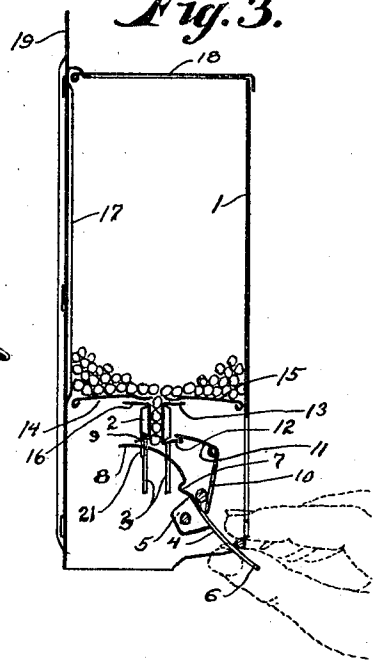



Fig. 6.




Fig. 3.




Witnesses:
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By His Attorney

Inventor
August A. Schoen.
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# UNITED STATES PATENT OFFICE.

AUGUST A. SCHOEN, OF CANTON, OHIO.

## SINGLE-DELIVERY MATCH-SAFE.

No. 825,078. Specification of Letters Patent. Patented July 3, 1906.

Application filed September 18, 1905. Serial No. 279,046.

*To all whom it may concern:*

Be it known that I, AUGUST A. SCHOEN, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Single-Delivery Match-Safes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the numerals of reference marked thereon, in which—

Figure 1 is a perspective view showing a match in position to be removed. Fig. 2 is an end view of the different devices for releasing the matches, showing the devices in a lowered position. Fig. 3 is an end view of the devices for releasing the matches, showing the same in an elevated position. Fig. 4 is a detached perspective view of the match-releasing receptacle. Fig. 5 is a detached perspective view of the rock-plate. Fig. 6 is a detached perspective view of the match-retaining and trip plate.

The present invention has relation to single-delivery match-safes; and it consists in the novel construction hereinafter described, and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all figures of the drawings.

In the accompanying drawings, 1 represents the match receptacle or box, which is formed of such a size that it will hold the desired quantity of matches, and of course may be formed of a size to hold any desired number of matches; but in practice the receptacle or box should be formed of a size to hold a few hundred matches. To the end members of the box 1 is adjustably attached the match-releasing receptacle 2, which receptacle is formed of a size to hold a few matches and is adapted to be moved up and down, as hereinafter described, and for the purpose of holding the receptacle in proper position and guiding its movements the elongated slots 3 are provided. To the end members of the box 1 and below the match-releasing receptacle 2 is pivotally attached the rock-plate 4 by means of the downturned flanges 5 or their equivalents. The rock-plate 4 is provided with the forward-extending fingers 6, which forward-extending fingers support the matches as they are singly dropped or allowed to fall or pass onto the plate 4 and fingers 6, and when the rock-plate 4 and the fingers 6 are in their normal positions the matches will be held by the lower front portion of the match-box 1, as illustrated in Figs. 1 and 2. The rock-plate 4 is provided with the match-receiving groove or trough 7, and said trough is so located that when the plate 4 is in its normal position it will be located directly below the match-delivery receptacle 2, and is so located for the purpose of allowing or permitting the lowermost match contained in the delivery-receptacle to find its way into the groove or trough 7, as best illustrated in Fig. 2. The rock-plate 4 is provided with the rearward-extending curved flange or plate 8, which plate is located directly under the rearward-extending flange 9, said flange being formed upon the rear lower portion of the delivery-receptacle 2. Above the pivotal point of the rock or tilting plate 4 and to the end members of the box 1 is pivotally attached the match-retaining trip-plate 10, which trip-plate is provided with the rearward-extending flange 11, which flange is extended rearward and its rear edge located between the flanges 12 and 13, which flanges are located upon the match-delivery receptacle 2, as illustrated in the drawings.

To the end members of the box 1 are pivotally attached the match-holding blades 14 and 15, which blades are so located that their normal position will be inclined downward from the back and front plates of the box 1 toward the delivery-receptacle 2, the blade 14 resting upon the flange 16 and the blade 15 resting upon the flange 13, as best illustrated in Fig. 2, and the position of the blades 14 and 15 shown in Fig. 2 is their normal one, by which arrangement the matches are fed toward and into the delivery-receptacle 2.

When it is desired to remove the match located upon the fingers 6, the match is grasped as illustrated in Figs. 1 and 2 and given a slight down pull, which tilts the plate 4 and permits the match to be removed, and when tilted downward the curved plate or flange 8 will be elevated, which removes the trough 7 and the match located therein from under the delivery-receptacle, and as the delivery-receptacle moves upward the flange 12 engages the rearward-extending flange 11 of the trip-plate 10, moving the forward portions or fingers downward and in contact with the plate 4 and holding the match just delivered from the trough 7. When the match designed to be removed is taken away, the de-

livery-receptacle will move downward automatically, which elevates the trip-plate 4 at its forward or finger end portion and the flange 13 will come in contact with the flange 11, thereby elevating the forward or finger portion of the trip-plate 10 and release the match, at which time the match is free to move downward upon the plate and fingers 6 until it comes in contact with the inner face or forward plate of the box 1. By the movement of the different parts just above described there is one match in the trough 7 and one match in position to be removed, and by removing the match the one in the trough 7 is released and permitted to fall against the trip-plate, but not drop forward until the trip-plate has been elevated sufficiently to stop the match against the inner face of the forward plate of the box 1.

It will be understood that when the delivery-receptacle 2 is elevated it moves the blades 14 and 15 into the position illustrated in Fig. 3, which movement has a tendency to bring the matches into proper parallelism with each other and with the upper portion or intake portion of the delivery-receptacle 2. It will be understood that the blades should be formed of such a width that when they are brought into substantial horizontal position there will be sufficient space between the inner edges of the blades 14 and 15 to permit the matches to drop. For the purpose of assisting in bringing the matches into proper parallelism the inner or free edges of the blades are slightly concaved upon the upper faces, so as to prevent the matches from becoming crossed at angles to each other. The back plate of the box 1 is provided with the ribs 17, which ribs are for the purpose of holding the matches forward a sufficient distance away from the back plate of the box 1 to prevent the matches from dropping between the pivotal point of the blade 14 and the back of the box 1. Similar ribs may be formed upon the front plate of the box, if desired, but are not illustrated, as it would simply be a duplication of the ribs illustrated.

If desired, the box 1 may be provided with the hinged cover 18, which of course is for the purpose of properly closing the box containing the matches. It is well understood that the match-safe proper in order to be practically operated should be in a true vertical position, and the back of the box 1 should be provided with an upward-extending flange, such as 19, and provided with the aperture 20 for a nail. For the purpose of insuring the proper action of delivery-receptacle 2 the back portion of said receptacle is provided with tangs 21, which tangs come under the curved plate 8 illustrated in Fig. 4, said curved plate being shown in dotted lines for the purpose of better illustrating the position of the tangs 21.

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

1. In a single-delivery match-safe, a box, a delivery-receptacle located within the box, a rock or tilting plate located below the delivery-receptacle, and provided with a trough, a trip-plate located above the rock or tilting plate, the forward edge thereof adapted or contact with the rock-plate, blades pivotally attached to the box and located above the delivery-receptacle and in operative contact therewith, substantially as and for the purpose specified.

2. In a match-safe of the class described, a match-box and a delivery-receptacle located within the box, a rock-plate located below the delivery-receptacle and provided with a groove or trough, a trip-plate pivotally attached to the match-box, flanges formed upon the delivery-receptacle and adapted to actuate the trip-plate, and blades located upon opposite sides of the delivery-receptacle, substantially as and for the purpose specified.

3. In a match-safe of the class described, a box, a delivery-receptacle located therein, a rock or tilting plate located below the delivery-receptacle and provided with a rearward-curved flange, adapted to actuate the delivery-receptacle, a trough formed in the rock-plate, a trip-plate located above the rock-plate, means for actuating the trip-plate, and blades located above the delivery-receptacle, substantially as and for the purpose specified.

4. In a match-safe of the class described, a box, a delivery-receptacle adjustably attached to said box, a trip or tilting plate provided with a groove or trough and provided with forward-extending flanges and a rearward-extending flange, a trip-plate, means for actuating the trip-plate by the movement of the delivery-receptacle, and pivoted blades inclined downward upon opposite sides of the delivery-receptacle, substantially as and for the purpose specified.

5. In a match-safe of the class described, the combination of a match-box, a delivery-receptacle located therein and adapted for vertical movement, a rock-plate located below the delivery-receptacle and adapted to actuate the delivery-receptacle, a trough adapted to receive a single match, a trip-plate pivotally attached to the box and located above the forward portion of the rock-plate, pivoted blades located upon opposite sides of the delivery-trough and provided with concaved faces, substantially as and for the purpose specified.

6. In a match-safe of the class described, the combination of a match-box, a delivery-receptacle located therein, said delivery-receptacle provided with flanges upon its rear and forward edges, a rock-plate located below the delivery-receptacle, and provided

with a rearward-curved portion, and pivotally connected to the match-box, a trip-plate adapted to be actuated by the forward flanges of the delivery-receptacle, and pivoted blades located upon opposite sides of the delivery-receptacle, substantially as and for the purpose specified.

7. In a match-safe of the class described, the combination of a match-box, a delivery-receptacle located therein, said delivery-receptacle provided with flanges upon its rear and forward edges, a rock-plate located below the delivery-receptacle and provided with a rearward curved portion operatively connected to the delivery-receptacle, a trip-plate adapted to be actuated by the forward flanges of the delivery-receptacle pivoted blades located upon opposite sides of the delivery-receptacle, and ribs located upon the inner face of the box's back, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AUGUST A. SCHOEN.

Witnesses:
J. A. JEFFERS,
F. W. BOND.