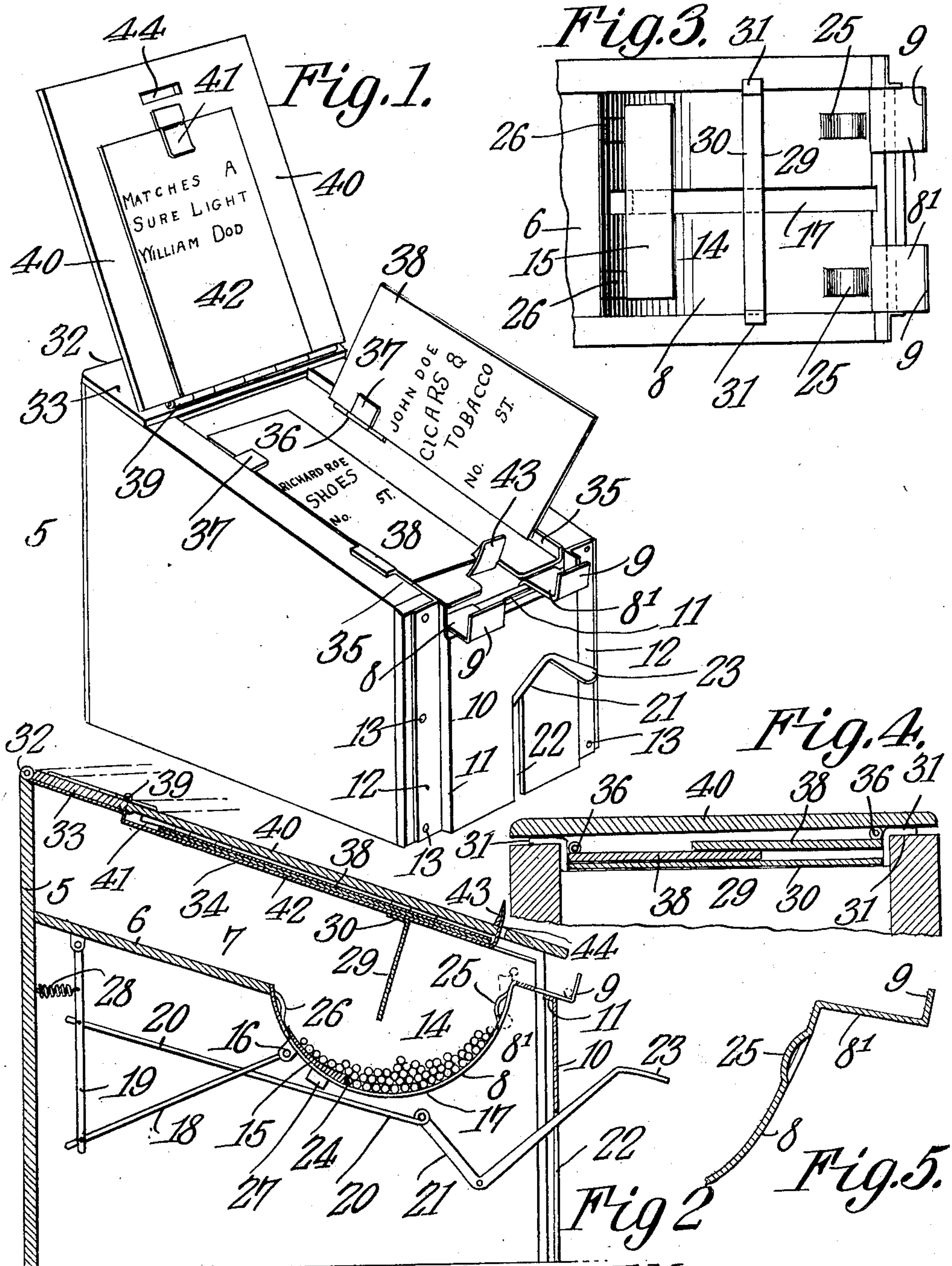


No. 897,642.

PATENTED SEPT. 1, 1908.

E. T. MURRAY.  
SINGLE DELIVERY MATCH BOX.  
APPLICATION FILED FEB. 11, 1907.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

EDWARD T. MURRAY, OF COLORADO SPRINGS, COLORADO.

## SINGLE-DELIVERY MATCH-BOX.

No. 897,642.

Specification of Letters Patent.

Patented Sept. 1, 1908.

Application filed February 11, 1907. Serial No. 356,822.

*To all whom it may concern:*

Be it known that I, EDWARD T. MURRAY, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented a new and useful Single-Delivery Match-Box, of which the following is a specification.

This invention relates to single delivery match safes and has for its object to provide improved means for successively discharging a single match from the safe and delivering the same on a tray or support for removal by the operator.

A further object of the invention is to provide a safe having pivotally united main and auxiliary cover sections one of which forms a closure for the match receptacle when the other is in open position and also forms a means for displaying suitable advertising matter.

A further object is to provide means for locking the pivoted cover sections in engagement with each other so that said sections may be moved simultaneously to open position thereby to expose the contents of the match safe.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a match safe constructed in accordance with my invention showing the auxiliary cover in open position to display the advertising matter. Fig. 2 is a longitudinal sectional view showing the main and auxiliary cover sections in closed position and locked in engagement with each other. Fig. 3 is a top plan view of a portion of the same with the cover sections removed. Fig. 4 is a detail sectional view of one end of the match-receiving pocket. Fig. 5 is a detail sectional view of the concavo convex plate. Fig. 6 is a perspective view of one end of the operating lever and its connecting rod.

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

The match safe forming the subject matter

of the present invention includes a box or receptacle 5 having its upper end open and inclined towards the front end of the receptacle and provided with a transverse partition 6 forming a match receiving compartment or magazine. The partition 6 is preferably disposed parallel with the inclined upper edge of the receptacle and secured in any suitable manner to the partition is one end of a concavo-convex plate 8 the opposite end of which is bifurcated to form spaced arms 8' and thence extended laterally beyond the front wall of the receptacle and bent upwardly to produce vertically disposed lugs 9 adapted to receive and support the matches as the same are successively fed from the magazine.

The front wall 10 of the receptacle is preferably stamped or otherwise formed from a single piece of metal the upper edge of which is bent inwardly at 11 for engagement with the lateral arms 8' of the match support 9 while the opposite longitudinal edges thereof are formed with vertical flanges 12, the latter being rigidly secured to the match safe or receptacle 5 in any suitable manner as by screws or similar fastening devices 13.

Slidably mounted within the match receiving pocket 14 is a feed plate 15 provided with a depending lug 16 which extends through a slot 17 formed in the segmental plate 8 for pivotal connection with one end of a rod 18, the opposite end of said rod being pivotally connected with a vertically disposed lever 19 depending from the transverse partition 6, as shown. Secured to the intermediate portion of the lever 19 is a link or rod 20 the forward end of which is pivotally connected with a bell crank lever 21. The long arm of the bell crank lever 21 extends through a vertically disposed slot 22 formed in the front wall 10 of the receptacle and is provided with a terminal finger piece 23 adapted to be depressed by the operator when it is desired to discharge the matches from the receptacle.

The feed plate 15 is curved to conform to the concaved walls of the plate 8 and is provided with a terminal groove or depression 24 of a size sufficient to accommodate a single match so that when the finger piece 23 is depressed the match in the groove will be delivered on the support 9 and in position to be conveniently removed by the operator.

The metal forming the plate 8 is stamped to form spaced up-struck lugs 25 which serve



to crowd the matches laterally and thus permit a single match to be delivered to the match support when the plate 15 rides or passes over said lugs, there being similar lugs 26 stamped or otherwise formed in the opposite end of the plate for limiting the rearward movement of the feed plate 15 and also to prevent the matches from accumulating at the rear of said feed plate.

The forward end of the feed plate 15 is preferably weighted at 27 so as to automatically return the feed plate in engagement with the concaved plate 8 after the feed plate has passed over the projections or lugs 25, there being a spring 28 interposed between the lever 19 and the rear wall of the match receptacle 5 to assist in returning the feed plate to inoperative position in engagement with the back stops or lugs 26.

Extending transversely across the interior of the receptacle at the pocket 14 is a plate 29 which acts as a stop and serves to prevent the matches in the magazine 7 from sliding forwardly and filling up the pocket 14. The upper edge of the plate 29 is provided with a transverse supporting flange 30 which is spaced inwardly from the adjacent upper walls of the receptacle 5 and is provided with laterally extending attaching lugs 31 for engagement with said walls thereby to prevent accidental displacement of the same.

Pivotally mounted at 32 on the rear wall of the receptacle 5 is a main cover section 33 having a metal plate 34 secured thereto and adapted to rest on the transverse supporting flange 30 and form a closure for the match receptacle or magazine. The opposite longitudinal edges of the plate 34 are provided with vertically disposed flanges 35 and one or more hinges 36 the wing 37 of which forms clips for the reception of suitable cards 38 adapted to be folded downwardly between the longitudinal flanges 35 and on which may be printed, stamped or otherwise representing suitable advertising matter. Pivotally mounted at 39 on the main cover section 33 is an auxiliary cover 40, the latter being movable independently of the main cover 33 and having its inner face provided with a suitable spring clip 41 adapted to also receive a card 42 for displaying advertising matter. One end of the plate 34 is bent upwardly to form a spring locking tongue or catch 43 which engages a corresponding opening 44 formed in the auxiliary cover 40 whereby said covers may be locked in engagement with each other so as to permit the same to be moved simultaneously to open position and thus expose the matches in the magazine. It will thus be seen that the covers 33 and 40 may be locked together and swung downwardly to the position shown in Fig. 3 of the drawings or the auxiliary cover 40 may be released and swung upwardly to open position so as to display advertising matter

carried by said cover and the advertising matter printed on the cards 38. It will also be observed that when the auxiliary cover 40 is in open position the main cover 33 forms a closure for the top of the match receptacle.

In order to discharge a match from the receptacle it is merely necessary to depress the finger piece 23 which exerts a forward pull on the lever 19 and through the medium of the rod 18 causes the feed plate 15 to travel over the walls of the plate 8 to the dotted line position shown in Fig. 2 of the drawings and in which position the match seated in the groove 24 of the feed plate will be deposited on the arms 8' and thence rolled downwardly into engagement with the lugs 9 so that the same may be conveniently removed by the operator.

When the downward pressure on the finger piece 23 is released the tension of the spring 28 will automatically return the feed plate 15 to inoperative position and in engagement with the rear stop 26, the weight 27 serving to return the feed plate in engagement with the plate 8 when said feed plate is elevated in the act of passing over the lugs 25.

Having thus described the invention what is claimed is:

1. A match safe including a receptacle having a match receiving magazine, a plurality of pivotally united covers one of which is provided with a pocket and forms a closure for the match receptacle when the other is in open position, and clips hingedly mounted in said pocket and adapted to receive an advertisement.

2. A match safe including a receptacle having a match receiving magazine, a plate extending transversely across the magazine and having its upper edge spaced downwardly from the top of the receptacle, a main cover pivotally mounted on the receptacle and adapted to engage the plate, clips pivotally connected with the main cover for supporting an advertising card, an auxiliary cover pivotally mounted on the main cover, and a catch carried by the main cover and adapted to engage the auxiliary cover for locking said covers in engagement with each other.

3. A match safe including a receptacle having an inclined partition defining a match receiving magazine, a slotted segmental plate disposed within the receptacle and having one end thereof secured to the partition and its opposite end bifurcated and extended laterally beyond the adjacent wall of the receptacle to form a match support provided with vertically disposed stop lugs, a feed plate slidably mounted on the segmental plate and provided with a depending lug extending through said slot, and means operatively connected with the lug for operating the plate thereby to successively deliver a single match to the support.



4. A match safe including a receptacle having an inclined partition forming a match receiving magazine, a segmental plate secured to one end of the partition and having its opposite end bifurcated and extended laterally beyond the front wall of the receptacle to form spaced arms terminating in upwardly extending lugs constituting a match support, there being a slot formed in the segmental plate, a feed plate slidably mounted on the segmental plate and having a portion thereof extending through said slot and means operatively connected with the feed plate for successively delivering a single match on the match support.

5. A match safe including a receptacle having a match receiving magazine, a slotted segmental plate disposed within the receptacle and provided with laterally extending

arms constituting a match support, a feed plate slidably mounted on the segmental plate and provided with a depending weighted lug extending through the slot of the segmental plate, a depending lever pivotally mounted within the receptacle, a rod forming a pivotal connection between the lever and lug, a bell crank lever operating lever, and a rod forming a connection between the depending lever and the adjacent end of the bell crank lever.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWARD T. MURRAY.

Witnesses:

JOHN F. MURRAY,  
JOHN R. WATT.