May 29, 1923. 1,457,050

A. ABBATICCHIO

SINGLE MATCH DISPENSER

Filed June 17, 1922

Fig. 1.

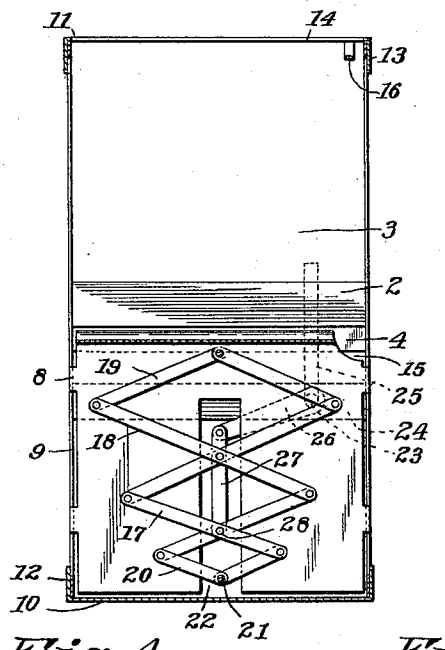


Fig. 2.

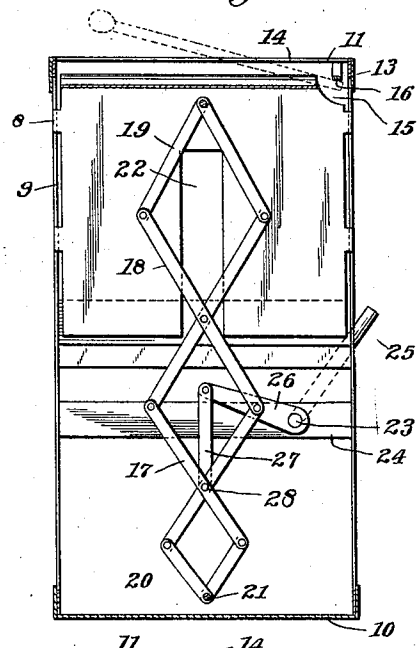


Fig. 4.

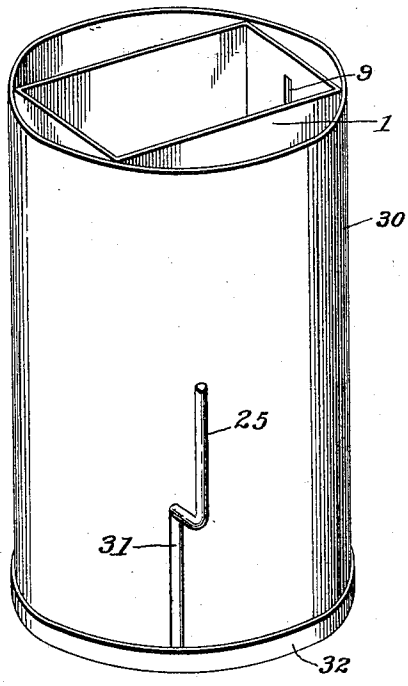
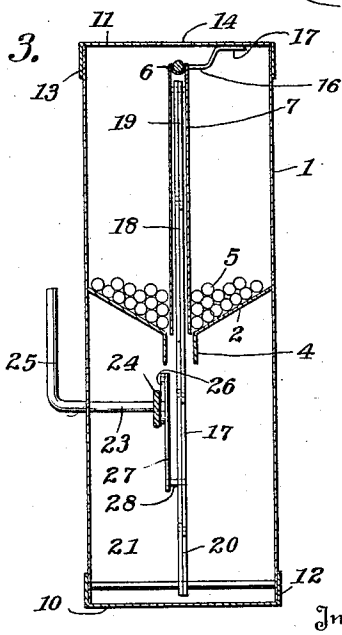


Fig. 3.



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UNITED STATES PATENT OFFICE.

ALBERT ABBATICCHIO, OF LATROBE, PENNSYLVANIA.

SINGLE-MATCH DISPENSER.

Application filed June 17, 1922. Serial No. 568,982.

To all whom it may concern:

Be it known that I, ALBERT ABBATICCHIO, a citizen of the United States, residing at Latrobe, in the county of Westmoreland and State of Pennsylvania, have invented new and useful Improvements in Single-Match Dispensers, of which the following is a specification.

The invention relates to a single match dispenser,

The object of the present invention is to improve the construction of match dispensers and to provide a simple, practical and efficient match dispenser of strong, durable construction equipped with means for positively delivering matches, one at a time, from a receptacle, and capable also of being advantageously employed as an advertising novelty.

A further object of this invention is to provide a single delivery match dispenser of this character adapted to be arranged in a can body with its operating mechanism disposed exteriorly thereof so that an operating handle or crank may be located adjacent a figure of a label applied to the exterior of the can so that such a figure may present the appearance of operating the match dispensing device.

With these and other objects in view the invention consists in the novel construction, combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion and minute details of construction, within the scope of the appended claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings in which like characters of reference designate corresponding parts in the several views,

Figure 1 is a vertical sectional view of a single match dispenser constructed in accordance with this invention, the match deliver slide being in its lowered position for filling.

Figure 2 is a similar view showing the match dispensing slide elevated.

Figure 3 is a vertical sectional view taken at right angles to Fig. 2.

Figure 4 is a perspective view showing the match dispenser applied to a can body.

In the accompanying drawing, in which is illustrated the preferred embodiment of the invention, the single match dispenser comprises in its construction a vertical casing 1, preferably oblong in section, as shown, and comprising vertical parallel side and end walls and provided midway between the top and bottom with inclined partition plates 2, extending downwardly and inwardly from the side walls of the casing to form an upper match compartment 3 and terminating short of each other to form a central opening and having depending vertically disposed lips or flanges 4 thereat. The lips or flanges 4 provide a match receiving recess for enabling a match 5 to drop into a channel or groove 6 of a vertically movable match delivery slide 7, which is adapted to be raised and lowered through the opening or space between the inclined plates 2, which form the bottom of the match receptacle 3. The slide 7, which is approximately inverted U-shaped, is constructed of sheet metal or other suitable material and is composed of spaced sides and a connecting top portion in which is formed the groove 6. The oppositely inclined plates form a hopper bottom for the match receptacle 3 and the vertically movable slide is provided at the side edges with horizontally projecting lugs 8 which operate in vertical guide slots 9, formed in the end walls of the casing 1.

The casing 1 is provided with a bottom 10 and a top or cover 11, which are preferably in the form of caps having flanges 12 and 13 to fit over and embrace the side and end walls of the casing 1. The cover 11 is provided with a central longitudinal slot 14 to which the match is carried by the slide and in order to facilitate the removal of the match from the holder or carrier, the slide is cut away at one of its upper corners to form a recess 15 for enabling the end of the match to be carried into engagement with an approximately L-shaped tilting arm 16 arranged in the path of the adjacent

end of the match and having an attaching portion 17 soldered or otherwise secured to the inner face of the cover 11 at one side of the slot 14. The L-shaped match tilting arm 16 extends downwardly and inwardly from the cover and when the slide, with a match in the carrier holder is elevated, the end of the match contacts with the arm 16 and the match is tilted to the projecting position illustrated in dotted lines in Fig. 2 of the drawing. This will enable the match to be readily removed and the match is caused to project without necessitating the movement of the match holding means through the slot 14.

The match delivery slide is raised and lowered by means of a lazy tong frame 17 composed of crossed pivotally connected levers or members 18 and upper and lower links or members 19 and 20, the upper links being pivoted to the slide near the top thereof and the lower links being mounted on a fixed pivot 21. The sides of the slide are provided with slots or openings 22 to permit the slide to pass the pivot 21 and also to enable operating means to be attached to the lazy tong frame and to be arranged at either side of the slide. The operating means comprises a shaft 23 journaled in suitable bearings of a horizontal supporting bar or member 24 in one of the sides of the casing and provided wtih an exteriorly arranged operating crank handle 25 or other suitable operating member, and having an interiorly arranged horizontal arm 26 which is connected by link 27 with one of the vertically movable pivots 28 of the lazy tong frame. The operating mechanism may be arranged at either side of the casing and when the operating mechanism is changed from one side to the other a corresponding change will be made in the position of the horizontal supporting bar or member 24.

As illustrated in Fig. 4 of the drawing, the match dispensing device may be arranged within a can body 30, provided at the lower portion with a slot 31 to enable it to be readily placed over the operating device and in practice the exteriorly arranged handle or arm will be located adjacent a figure applied to the can by means of a label so that the figure will present the appearance of operating the match dispensing device. The can body is provided with a flanged bottom 32 and is designed to have a slotted top or cover for enabling the matches to be delivered through the same in the manner heretofore described. This arrangement of the device within a can body will enable the device to be used as an advertising novelty for advertising various kinds of goods sold in cans, as persons using the match dispensing device will necessarily read the advertisement on the can.

Also the arrangement of the operating means of the match dispensing mechanism with relation to a figure or figures illustrated on a label, will render the device particularly effective as an advertising medium.

What is claimed is:

1. A match dispenser including a casing provided with a slot, a match tilting arm arranged adjacent said slot, a match delivery slide provided with means for holding a match, a lazy-tong frame composed of cross levers and terminal links and connected with the slide, and operating mechanism pivotally connected with the lazy-tong frame for moving the slide toward said slot whereby to contact the match with said projecting arm to tilt the match and cause the same to project through the slot.

2. A match dispenser including a casing, a match delivery slide provided with means for holding a match, a lazy tong frame composed of cross levers or members and terminal links and connecting with the slide, and operating mechanism pivotally connected with the lazy tong frame for elevating the slide.

3. A match dispenser including a casing, a vertically movable match delivery slide provided with means for carrying a match, a lazy tong frame connected with the slide, operating mechanism for actuating the lazy tong frame to elevate the slide, said operating mechanism comprising a shaft having an exteriorly arranged operating device, an arm carried by the shaft, and a link connecting the arm with the lazy tong frame.

4. A match dispenser including a casing, a match delivery slide of approximately U-shape composed of spaced sides and a connecting top portion, said slide being provided at the top with match holding means, a lazy tong frame extending between the sides of the slide, and operating mechanism for actuating the lazy tong frame to elevate the slide.

5. A match dispenser including a casing, match dispensing means operating within the casing and having operating mechanism comprising a shaft extending through the casing and provided with an exteriorly arranged operating device, and a can body receiving the casing and having a slot through which the shaft projects, said operating device being located exteriorly of the can body for the purpose described.

6. A match dispenser including a rectangular casing, match dispensing means operating within the casing and provided with operating mechanism comprising a shaft projecting through the casing and having an exteriorly arranged operating arm or member, and a can body of cylindrical shape receiving the casing and provided with an opening through which the shaft projects, said operating arm or member being lo-

cated exteriorly of the can body for the purpose described.

7. A match dispenser including a casing provided with opposite guide slots, a match delivery slide, having spaced sides and provided at the top with match carrying means, said slide being provided at the side edges with projecting lugs operating in the guide slots, and a lazy-tong frame for raising and lowering the slide.

In testimony whereof I have hereunto set my hand.

ALBERT ABBATICCHIO.