

A. L. EVRETT & J. C. McQUERRY.

MATCH BOX.

APPLICATION FILED AUG. 29, 1908.

921,683.

Patented May 18, 1909.

Fig. 1.

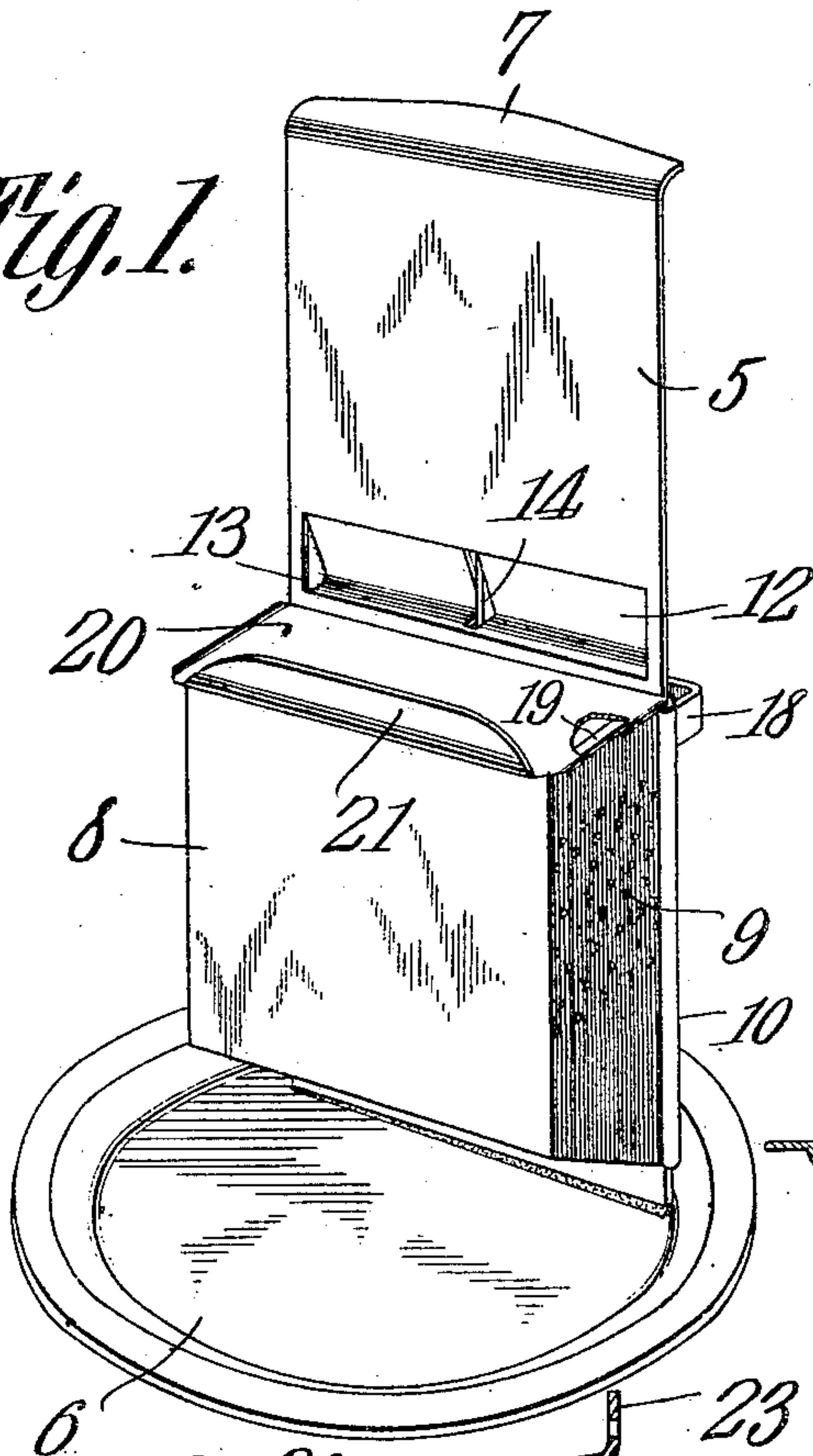


Fig. 2.

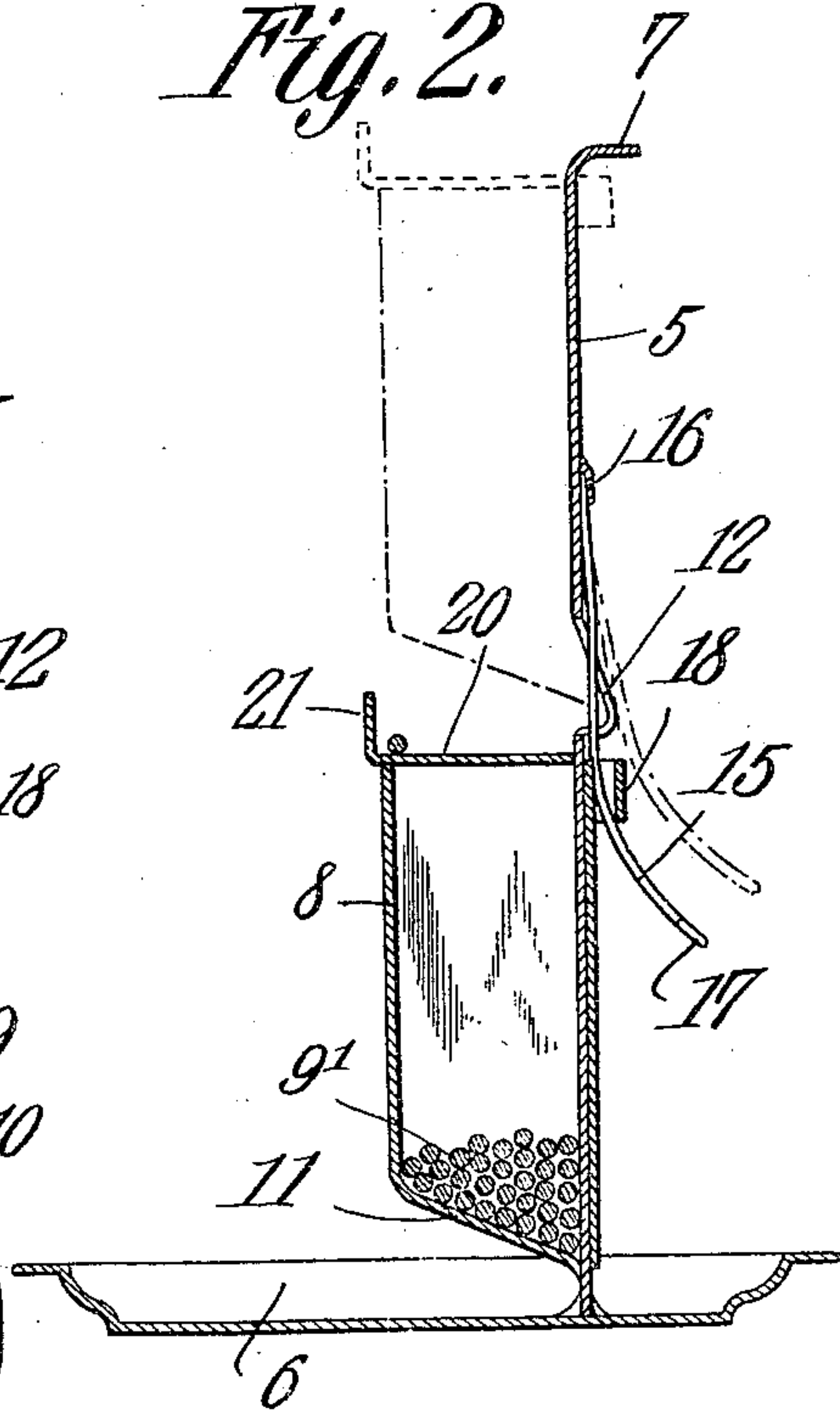


Fig. 3.

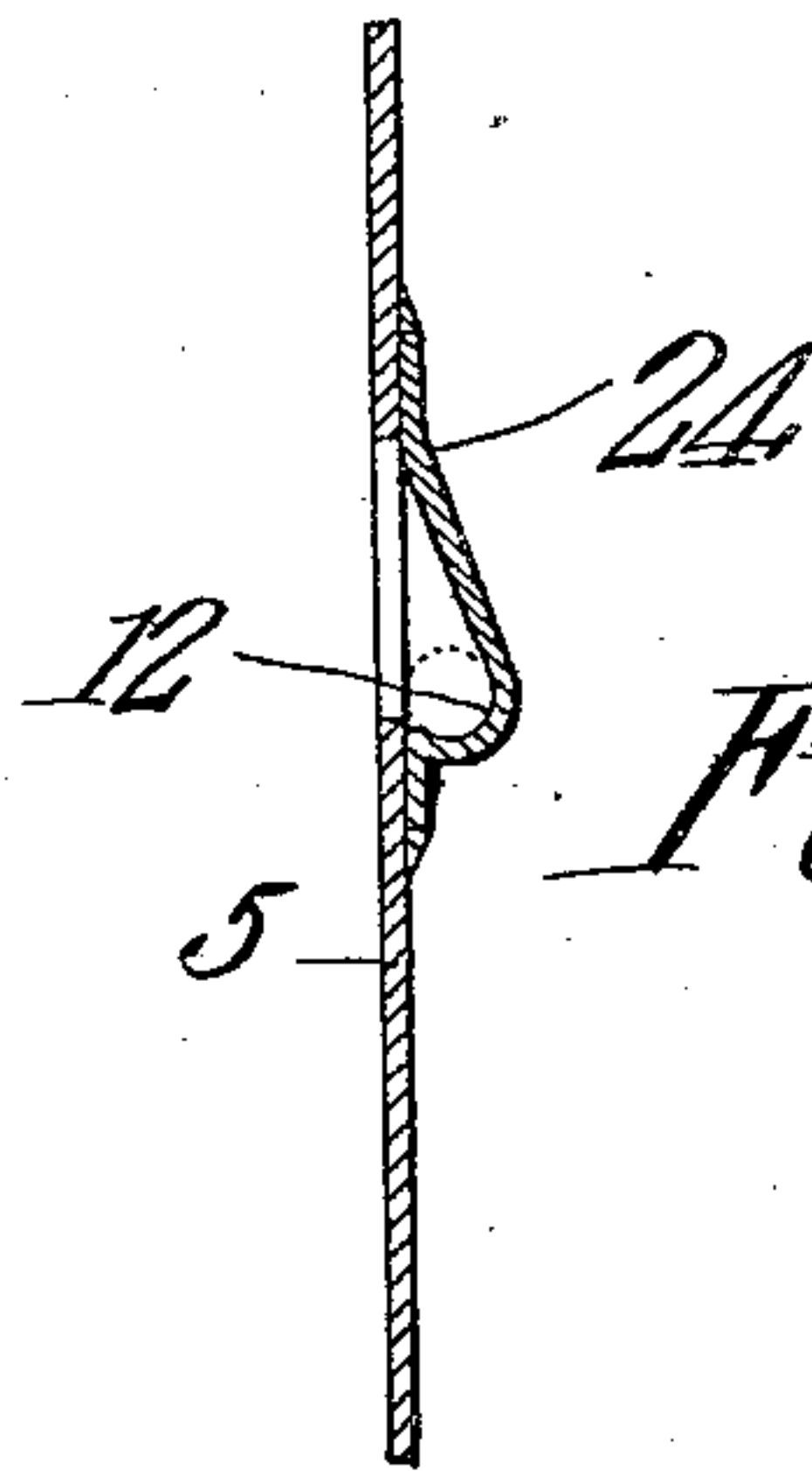
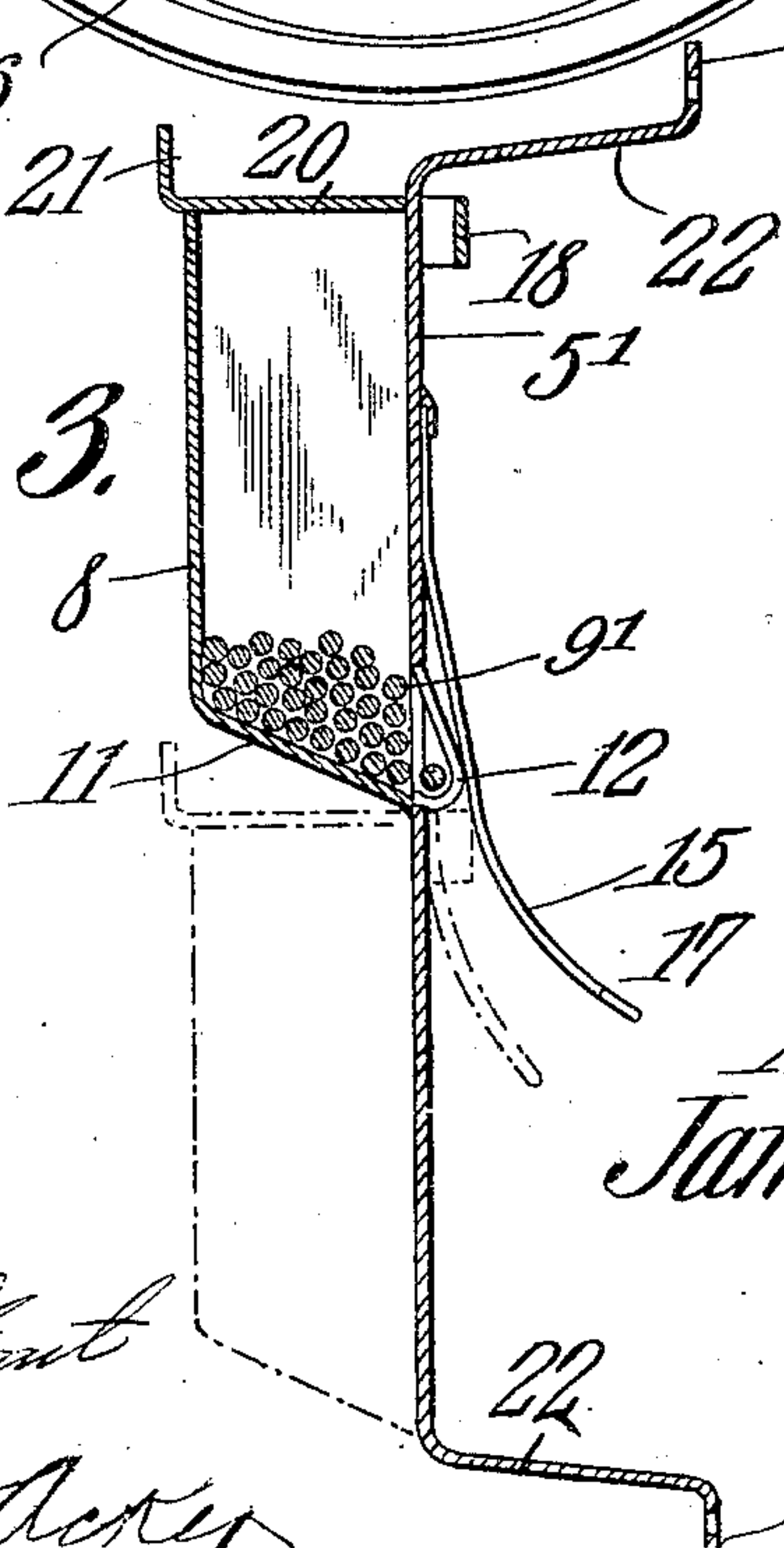


Fig. 4.

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UNITED STATES PATENT OFFICE.

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MATCH-BOX.

No. 921,683.

Specification of Letters Patent.

Patented May 18, 1909.

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To all whom it may concern:

Be it known that we, ARCH L. EVRETT and JAMES CRAVENS McQUERRY, citizens of the United States, residing at North Fortworth, in the county of Tarrant and State of Texas, have invented a new and useful Match-Box, of which the following is a specification.

This invention relates to single delivery match boxes and has for its object to provide a match box or receptacle especially designed for attachment to a tray, wall or other suitable support and capable of ejecting a single match at each operation of the device.

A further object of the invention is to provide a match box including a support having a match containing receptacle slidably mounted thereon and provided with a pocket adapted to receive a single match on the upward movement of the receptacle, there being an ejecting member disposed in the path of movement of the receptacle and actuated by the latter for discharging the match from said pocket on the downward movement of the receptacle.

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 box or safe constructed in accordance with our invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a similar view illustrating a modified form of the invention. Fig. 4 is a detail sectional view showing a modified form of match receiving pocket.

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

The improved device forming the subject matter of the present invention includes an upright or support 5 preferably formed of metal and having its lower end soldered or otherwise rigidly secured to a dish or tray 6 and its upper end bent laterally to form a terminal stop flange 7.

Slidably mounted for vertical movement on the support 5 is a match containing receptacle 8 also preferably formed of metal

and having one of its side walls stamped, punched or otherwise formed with a plurality of spaced projections constituting a match striking surface 9.

The side walls of the receptacle are bent inwardly to form oppositely disposed guides 10 which embrace the adjacent longitudinal edges of the support 5 and serve to retain the receptacle 8 in position on the support.

The bottom of the receptacle 8 is inclined downwardly in the direction of the support 5, as indicated at 11 so as to feed the matches to a pocket or receptacle 12 formed in the support 5.

The pocket or receptacle 12 is produced by forming oppositely disposed slits in the metal constituting the support and then pressing the metal between said slits laterally at the rear of the support, as best shown in Figs. 1 and 2 of the drawing, the metal forming the bottom 13 of the bracket being pressed or curved downwardly to form a longitudinal groove of sufficient length and width to accommodate a single match.

The rear wall of the pocket 12 is formed with a longitudinally disposed slot 14 which also intersects the bottom of the pocket as shown and in which is seated an ejecting member 15.

The ejecting member or arm 15 is preferably constructed of a single piece of wire one end of which is soldered or otherwise rigidly secured to the rear face of the support 5, as indicated at 16 while the opposite end thereof is seated within the slot 14 and thence deflected laterally and provided with a terminal finger piece 17.

Extending transversely across the rear of the support 5 is an actuating member or yoke 18 having its opposite ends secured to the guides 10 and its intermediate portion normally bearing against the deflected ends 17 of the ejecting member 15.

The ejecting member 15 extends in the path of movement of the yoke 18 so that when the receptacle is moved downwardly the yoke will engage and depress the free end of the member 15 and thus cause the intermediate portion thereof to be forced laterally within the slot 14 and eject the match deposited in the pocket 12.

The side walls of the receptacle 8 are bent laterally to form oppositely disposed flanges 19 for the reception of a removable lid or cover 20, the latter being provided with a vertically disposed stop flange 21 adapted to

limit the movement of the matches 9' when the latter are discharged from the pocket 12.

In operation the lid 20 is removed and the matches deposited in the receptacle 8, after which the receptacle is moved upwardly to the dotted line position shown in Fig. 2 of the drawings. As the receptacle 8 is moved upwardly the yoke will become disengaged from the ejecting member or arm 15 thus permitting the latter to spring outwardly and allow a single match from the receptacle 8 to be deposited in the pocket 12. When the receptacle 8 is moved downwardly the yoke 18 will engage the deflected end of the member 15 and force the latter inwardly so as to cause the intermediate portion of said member to eject the match, which latter is deposited on the top or cover of the receptacle 8, as best shown in Fig. 2 of the drawings. The tray 6 not only forms a base for the support 5 but also forms a receptacle for the reception of ashes, burned matches and the like.

In Fig. 3 of the drawings there is illustrated a modified form of invention especially designed for attachment to a wall or similar support. In this form of the device the tray 6 is dispensed with the opposite ends of the support 5' being bent laterally to form rearwardly inclined arms 22 terminating in perforated fingers 23 for attachment to a wall or other support, the construction and operation of the device being otherwise similar to that shown in Fig. 1 of the drawings.

In Fig. 4 there is illustrated a further modification in which the match receiving pocket instead of being stamped or formed integral with the support is made separate and soldered or otherwise rigidly secured to the rear face of said support, as indicated at 24.

The match boxes may be made in different sizes and shapes and may be japanned, painted or provided with ornamental lettering arranged in artistic designs to give the box a neat attractive appearance.

Having thus described the invention what is claimed is:

1. A match box including a support having a match-receiving pocket, a match containing receptacle slidably mounted for vertical movement on the support, an ejector operating within the pocket, and means carried by the receptacle and adapted to engage and actuate the ejector on the downward movement of the receptacle for discharging the matches from said pocket.

2. A match box including a support having a pocket the walls of which are formed with a vertically disposed slot, a match containing receptacle slidably mounted for vertical movement on the support, a spring arm secured to the receptacle and having its free end seated within the slot, and means carried by the receptacle and adapted to engage and

actuate the spring arm for ejecting the matches from said pocket.

3. A match box including a support having a pocket formed therein, a match containing receptacle mounted for vertical movement on the support and provided with a cover having a vertical flange constituting a match-stop, a spring arm secured to the rear face of the support, and means carried by the receptacle and adapted to engage the free end of the arm for ejecting the matches from the pocket and depositing them on the cover at said stop flange.

4. A match box including a support having a pocket, a match receiving receptacle slidably mounted on the support, there being a slot formed in one wall of the pocket, a spring arm secured to the rear face of the support and having its free end seated in the slot and its terminal portion bent laterally, and a yoke secured to the receptacle and adapted to engage the deflected end of the arm for actuating the latter to eject the matches from said pocket.

5. A match box including a support provided with oppositely disposed slits, the material between said slits being pressed outwardly to form a pocket, there being a vertical slot formed in one wall of the pocket, a match containing receptacle slidably mounted on the support and having an inclined bottom, a spring arm secured to the rear face of the support and having its free end extended within the slot and its terminal portion deflected laterally, and a yoke carried by the receptacle and adapted to engage the deflected end of the arm for actuating the latter to discharge the matches from said pocket.

6. A match box including a base, a support secured to the base and having its upper end bent laterally to form a stop and its intermediate portion provided with a pocket, a receptacle slidably mounted on the support and provided with oppositely disposed guides for engagement with said support, there being a vertical slot formed in one wall of the pocket, a spring arm secured to the rear face of the support and having its free end extended within the slot and its terminal portion bent laterally, a yoke connecting the guide flanges of the match containing receptacle and adapted to engage the deflected end of the spring arm for actuating the latter to eject the matches from said pocket, and a cover for the receptacle having a vertical stop flange arranged in the path of movement of the matches discharged from the pocket.

7. A match box including a support having a pocket one wall of which is provided with a match-receiving groove, there being a vertical slot formed in the adjacent wall of the pocket and intersecting the groove, a match receptacle slidably mounted on the support and provided with an inclined bottom, a

spring arm secured to the rear face of the support and having its free end extended within the slot and its terminal portion deflected laterally, and a yoke extending transversely of the receptacle at the rear of the support and adapted to engage the deflected portion of the spring arm for actuating the latter to discharge the matches from the groove in the pocket.

10 8. A match box including a base, a support secured to the base, a match receptacle slidably mounted on the box and having its bottom wall inclined downwardly in the direction of the base and one of its side walls
15 perforated to form a roughened match striking surface, a pocket formed in the support and having its wall provided with a vertically disposed slot, guide flanges carried by the re-

ceptacle and engaging the adjacent longitudinal edges of the support, a spring arm secured to the rear face of the support and having its free end seated in said slot and its terminal portion deflected laterally, and a yoke connecting the flanges of the receptacle and adapted to engage the deflected end of the arm for actuating the latter to discharge the matches from the pocket. 25

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

ARCH L. EVRETT.

JAMES CRAVENS McQUERRY.

Witnesses:

W. O. HUDGENS,
O. B. PITTS.