March 6, 1951 F. POSKEY 2,543,934

BRACKET FOR SUPPORTING AN INVERTED MASON TYPE JAR CONTAINING ARTICLES TO BE DISPENSED, INCLUDING A RECEPTACLE WITH ROTARY VALVE

Filed March 19, 1946 2 Sheets-Sheet 1

Fig. 1.

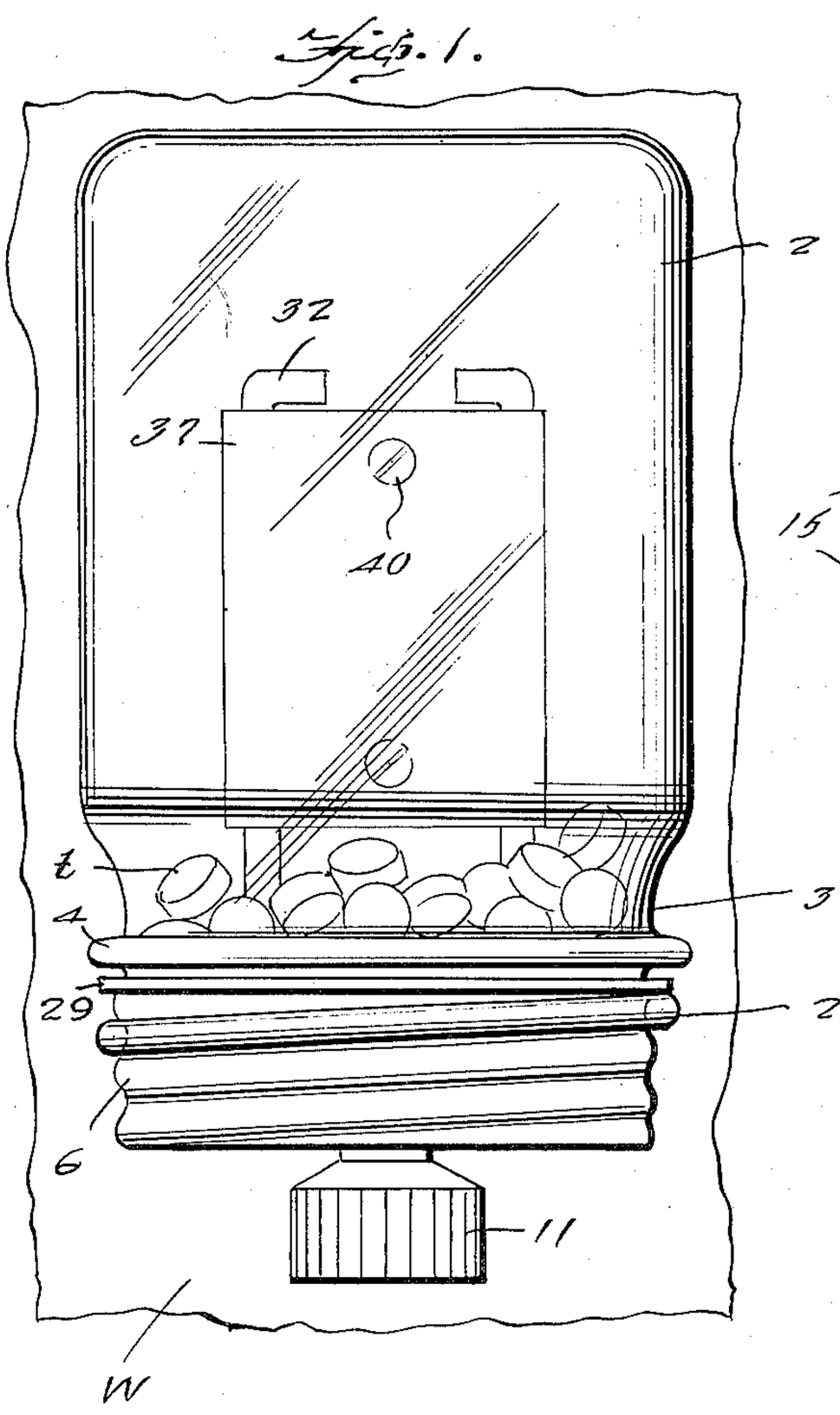


Fig. 3.

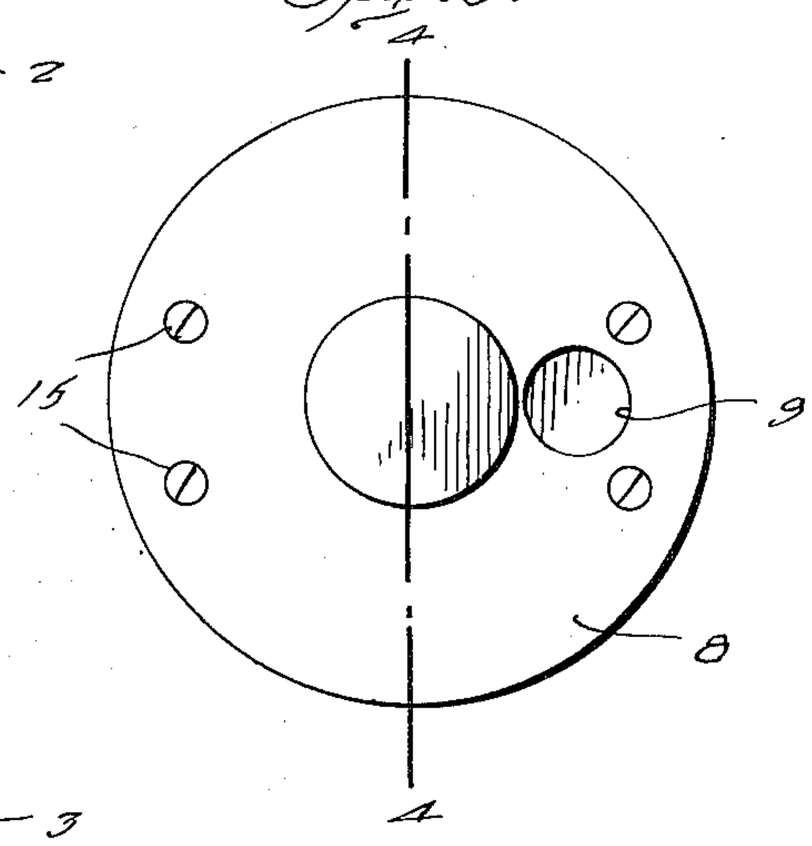


Fig. 4.

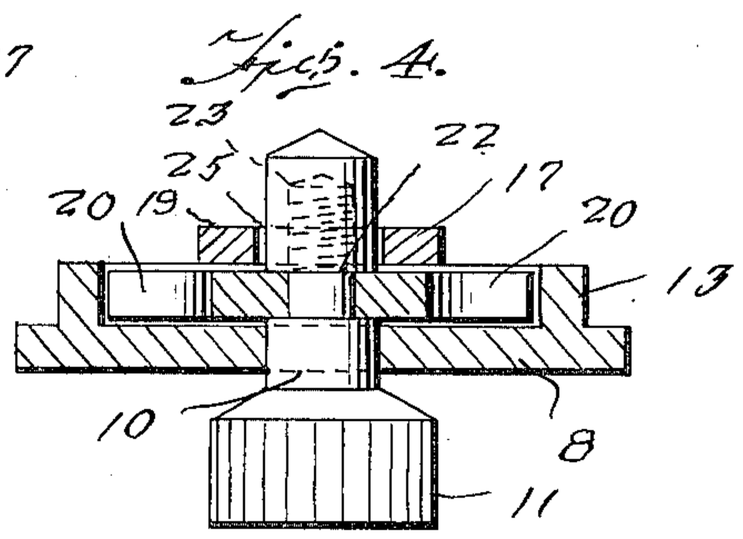


Fig. 5.

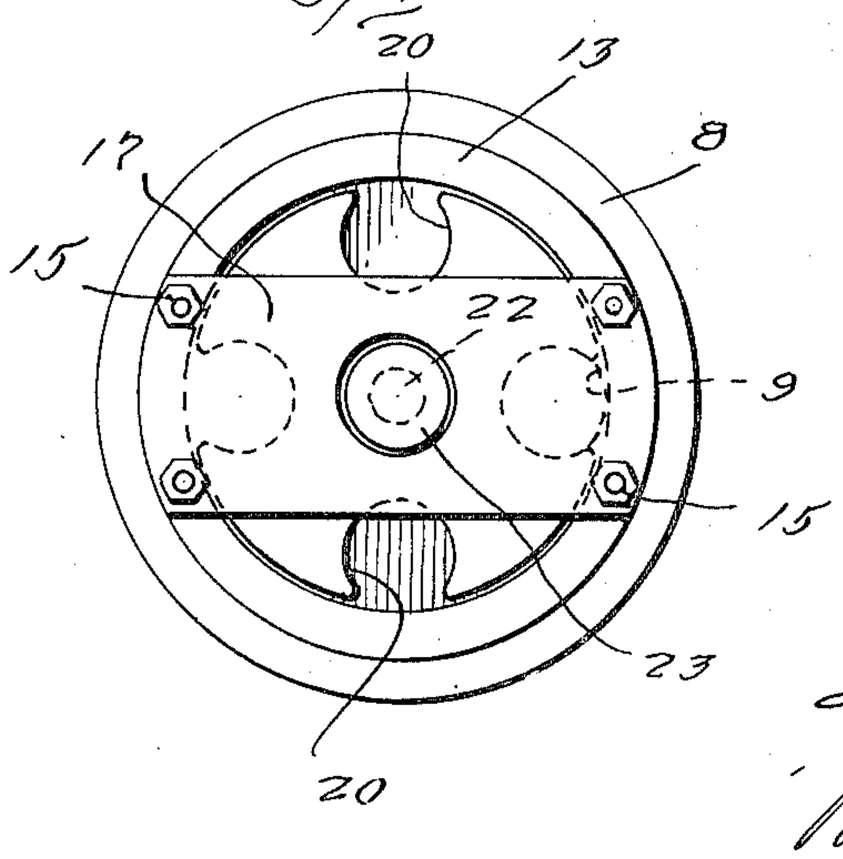
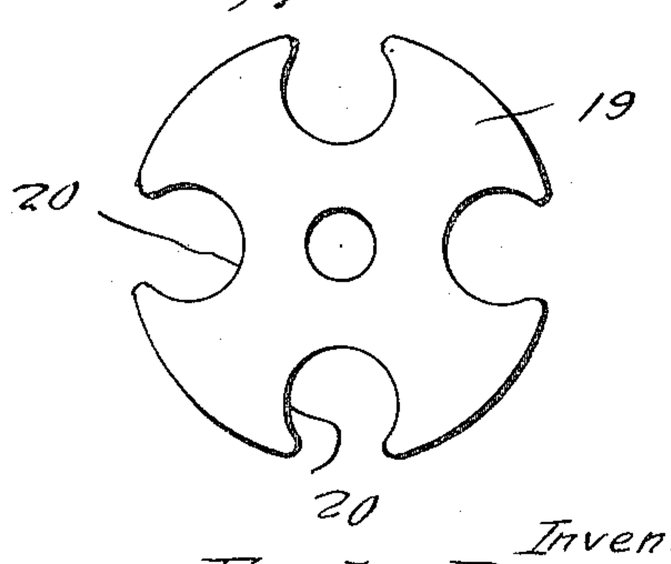


Fig. 6.



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Filed March 19, 1946 2 Sheets-Sheet 2

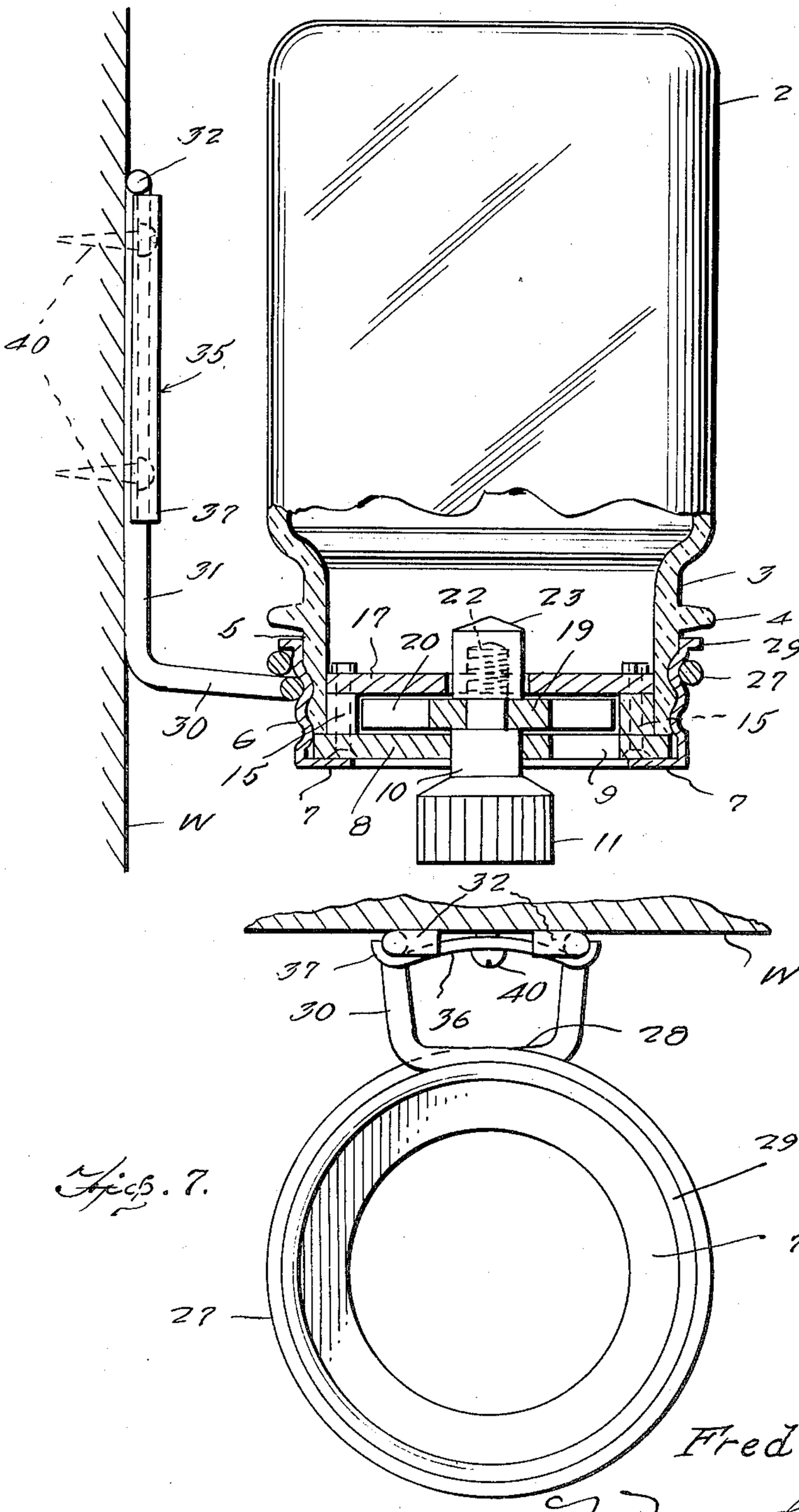

Fig. 7.

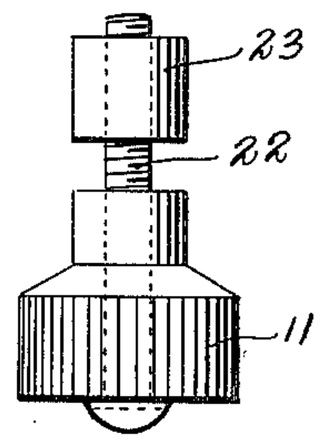

Fig. 8.

Fig. 2.

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BRACKET FOR SUPPORTING AN INVERTED MASON TYPE JAR CONTAINING ARTICLES TO BE DISPENSED, INCLUDING A RECEPTACLE WITH ROTARY VALVE

Fred Poskey, Stamps, Ark.

Application March 19, 1946, Serial No. 655,402

1 Claim. (Cl. 222—9)

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This instant invention relates to devices for dispensing tablets or the like and has for an object the provision of a dispensing apparatus of the class characterized and including a Mason jar or the like.

Another object of the invention is to provide a dispensing receptacle in which the articles to be dispensed are kept in a fresh condition and free from dust and contamination.

A further object of the invention is to provide a dispensing jar by which one tablet or the like is dispensed at a time.

With these and other objects in view the invention resides in the novelty of construction, combination and arrangement of parts specifically hereinafter described and claimed in the appended claim.

The description should be read in connection with the accompanying drawings wherein:

Figure 1 is a front elevation of the preferred embodiment of my invention.

Figure 2 is a vertical diametral section.

Figure 3 is a bottom plan detail view of the closure plate.

Figure 4 is a diametral detail section of the closure, delivery and guard plates on line 4—4 of Figure 3.

Figure 5 is a top plan detail view of such structure.

Figure 6 is a detail plan view of the delivery plate.

Figure 7 is a top plan view of the device supported on a wall.

Figure 8 is a modified form of the knob.

Referring particularly to Figures 1, 2 and 7 of the drawings, in which like characters of reference designate like or similar parts, numeral 2 denotes an ordinary Mason jar or the like in inverted position and including a reduced neck 3 which carries a peripheral flange 4 intermediate its ends and has a lower exteriorly threaded outer portion 5 below the flange.

An interiorly threaded sleeve 6 may be screwed upon the neck portion and carries at its lower outer end an inwardly extending annular flange 7 which engages or is secured beneath a circumferential zone of a circular support plate 8. The same is provided with an eccentric hole 9 of a size sufficient to permit the easy passage of a tablet or the like to be dispensed from the jar and located forwardly of a central journal opening for the shank 10 of a knurled substantially cylindrical hand knob 11. The transverse section of the same substantially exceeds that of the shank, but clears the hole 9 (Figure 3) so as not to obstruct

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the dropping of a tablet therethrough. The plate 8 is of a size to engage with a marginal outer portion of its top face the flat lower end of the threaded neck part and carries on its upper face an inwardly spaced, upwardly extending flange 13 which closely fits into the jar neck and forms with the marginal outer plate portion a shoulder effectively sealing the container.

In the flange 13 are formed four holes for bolts 15 the heads of which are countersunk in the lower face of the support plate 8. The upper nut-carrying ends of the bolts also extend through holes in the cylindrical end parts of a guard plate 17 which rests with such ends upon the upper face of flange 13 and has straight parallel side edges each defining with the flange a circular segment.

Plate 8 and flange 13 may be separable pieces held together by bolts 15 or may be made in one piece (Figure 4) depending on the material used. Plate 8, flange 13 and guard plate 17 may be fastened together by glue or cement.

Within the cylindrical flange 13 and between the support plate 8 and guard plate 17 is a substantially circular delivery plate 19 which is provided near its periphery with a plurality of uniformly spaced apertures 20 opening through said periphery and each adapted for registry with the hole 9 of the support plate (Figure 5). Preferably these apertures number four and an opposite pair of them substantially clear with their inner edge portions the parallel side edges of the guard plate or extend but slightly beneath such plate. The delivery plate is centrally apertured for and secured to the reduced shank section 22 the upper part of which is threaded for engagement with a nut 23. The same is rotatably seated in a central recess 25 in the guard plate and bears with its lower end against the top face of the delivery plate which is rigid with the shank.

In order to support the device described on a wall the intermediate part of a stout wire is bent into a circular loop 27, the tangential ends 28 of which cross each other. The upper one of the wire parts 28 and adjacent circular part engage an annular flange 29 extending outwardly from the upper end of the sleeve 6. The tangential wire sections 28 are bent rearwardly to form rearwardly diverging parts 30 from the rear ends of which extend upwardly vertically disposed wire parts 31 with inwardly bent horizontal ends 32.

The same overlie the upper edge of a support 35 preferably of sheet metal and comprising a rearwardly depressed intermediate portion 36 and

outer portions 37 bent rearwardly at their outer vertical edges. The portions 37 are concave on the side facing the wall and each receives a vertical wire portion 31. The intermediate support part 36 is attached to the wall by fasteners 40.

The means for turning the delivery plate 19 may also include a knob 11 threaded upon a common machine screw 22 or stove bolt of steel or brass, preferably of the latter, and a securing nut 23 threaded upon the outer end of the screw (Figure 8). The part of the machine screw between knob 11 and nut 23 is threaded or otherwise secured in the delivery plate 19.

A wide variety of materials may be used in the making of the dispensing device. The jar may be of glass, crockery, metal, wood or plastic. The sleeve 6 is preferably of sheet metal or plastic or wood.

The sleeve is unthreaded from the neck of the jar held in the normal position and the jar is filled with tablets or the like, whereupon the lid is replaced and the device placed in inverted position in the wire loop. When the knob is turned to bring one of the openings to registry with the opening in the support plate, a tablet will drop out.

It is believed that the accompanying drawings will be readily understood and that the foregoing description thereof is couched in such full, clear, concise terms as to enable any person skilled in the art to which it appertains to make and use the invention.

What I claim and desire to protect by Letters Patent of the United States is as follows:

A device for dispensing tablets or the like from an inverted jar comprising a collar adapted to be circumposed upon the lower end of the jar and secured to depend therefrom, said collar having an internal annular flange spaced below the lower end of the jar, a circular support plate for engaging and closing the lower end of the jar, said support plate resting upon said internal flange and occupying the space between the lower end of the jar and said internal flange, an annulus

rising from said plate to fit into the lower end of the jar, a guard plate extending across said annulus and spaced at two opposite sides from said annulus to define spaces through which tablets or the like can fall from the jar, a delivery disk positioned in the space between said guard plate and said support plate and concentrically within said annulus, said delivery disk being formed with diametrical pairs of openings, either pair being capable of being registered with the spaces on the opposite sides of the guard plate to receive tablets from the jar while, said support plate being formed with a tablet discharging opening positioned to register with an opening of the remaining pair of openings in said delivery disk while the other pair of openings is registered with said spaces, and means exposed below and traversing said support plate and connected to said delivery disk for rotating said delivery disk to register different ones of the delivery disk openings with said discharging opening, said means comprising a knob having a shank rising therefrom and journalled through said support plate, said shank having a portion secured to said delivery disk, comprising a bolt traversing said delivery disk and a shoulder beneath said delivery disk, and a nut threaded on the upper end of said bolt and bearing downwardly upon said delivery plate to clamp said delivery disk between said nut and said shoulder.

FRED POSKEY.

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