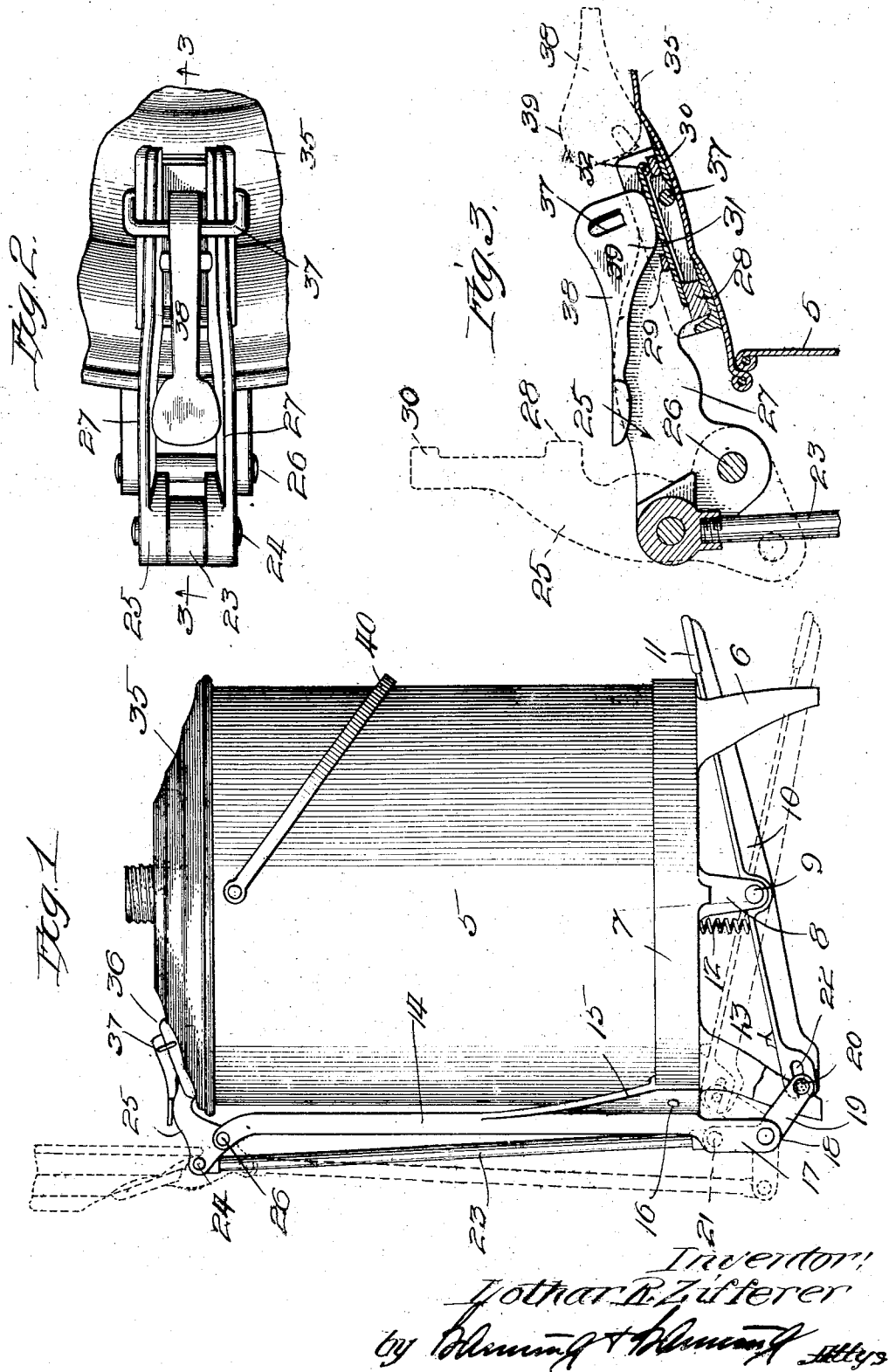


L. R. ZIFFERER.
RECEPTACLE.
APPLICATION FILED FEB. 19, 1920.

1,381,390.

Patented June 14, 1921.



UNITED STATES PATENT OFFICE.

LOTHAR R. ZIFFERER, OF LANCASTER, PENNSYLVANIA.

RECEPTACLE.

1,381,390.

Specification of Letters Patent. Patented June 14, 1921.

Application filed February 19, 1920. Serial No. 359,820.

To all whom it may concern:

Be it known that I, LOTHAR R. ZIFFERER, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Receptacles, of which the following is a specification.

This invention relates to an improved receptacle for garbage, refuse, waste, etc., of the general kind shown and described in my application, Serial No. 353,250.

Primarily my invention is concerned with means by which the cover is attached to certain mechanism by which it is raised and lowered. The cover operating means, the details of which are of relative unimportance to this invention, may be formed separately and distinctly from the receptacle itself which I prefer should be loosely positioned within a frame carrying such parts. When operatively positioned, the receptacle is locked against withdrawal from the frame except by first raising the cover which may be accomplished only by actuation of the operating means.

According to this invention, a means is provided for readily attaching or detaching the cover relative to its operating means so as to permit removal or replacement of the receptacle, together with its cover, relative to the frame.

An embodiment of this invention in its preferred form is illustrated in the accompanying drawing wherein—

Figure 1 shows in side elevation a receptacle loosely mounted within a frame carrying cover operating parts;

Fig. 2 is an enlarged fragmentary plan view of the means for connecting the operating parts to the cover; and

Fig. 3 is a sectional view therethrough taken on line 3—3 of Fig. 2.

The receptacle 5 may be suitably mounted within a frame structure which, as shown in the drawing, comprises legs 6 supporting a circular base 7 within which the receptacle may be accommodated in any desired rotative position. The cover operating means may consist of one or more lugs 8 depending from the base of the frame, and carrying a pin 9 affording a pivotal mounting for a treadle 10 whose forward end is provided with a pedal 11. A spring 12 may be employed, if desired, to hold the treadle in such relation to the frame that its forward

end is normally raised, as shown in the drawing. A stop member 13, carried on the treadle and arranged to engage with the under side of the base, serves to limit the swinging movement of the treadle in one direction.

Secured upon the rear side of the base is an upright member 14 formed with webs 15 suitably curved in conformity with the periphery of the base, and secured thereto as by rivets 16 or in any other suitable manner. The lower end of the upright member is formed to present companion lugs 17 which depend below the base 7, a pin 18 being extended between these lugs to afford a pivotal mounting for a bell crank 19. Preferably this bell crank is formed with companion sides between which is extended a pin 20 at the inner end and a pin 21 at the other end. The pin 20 lies in proximate relation to the rear end of the treadle 10 and is adapted to execute a sliding movement within a slot 22 formed therein. By means of the construction illustrated, the treadle may actuate the bell crank 19 in such a way as to swing it into the position indicated by the dotted lines in Fig. 1.

Pivotally connected with the pin 21 at the upper end of the bell crank is a link 23 whose upper end has a pivoted connection as at 24 with a lever 25 which is pivoted to the extremity of the upright member 14. As appears best from Fig. 2, the upper end of the upright is forked to provide a substantial mounting for the lever 25 which, in the form shown, consists of companion arms 27 united at their forward ends as by means of webs 28, 29, and 30, each of which is spaced apart from the others. The two webs 28 and 30 are situated adjacent the lower side of the arms 27 and have extending between them a spring 31 that also lies immediately beneath the web 29. This spring may be fixedly secured in place as by means of a pin 32 extended transversely between the arms 27. The lever thus formed is adapted to cooperate with the receptacle cover designated as 35 on which is secured adjacent its periphery a channeled member 36 of a width sufficient to receive the two arms. Extending between the two walls of the channeled member 36 is a loop 37 which also passes through a clamping handle 38, on which is formed a cam surface 39 adapted to bear against the spring 31. When the cover of the receptacle is to be locked to the

operating parts, the lever 25 is seated within the channeled member 36, and the clamping handle 38 is swung around from the position shown in dotted lines in Fig. 3 to the position shown in full lines, it being depressed until its cam surface 39 is tightly bearing against the spring 31. In these circumstances the lever 25 is securely and tightly held within the channeled member such as to effect a proper raising or lowering of the cover without lost motion of any kind. When, however, it is desired to disestablish this connection, the clamping lever 38 is raised whereupon pressure is withdrawn from the spring 31 permitting the loop 37 to swing forwardly to carry the clamping handle away from and out of interfering position with the lever 25. Under these conditions, which are represented by the dotted lines in Fig. 3, the lever is free to swing upwardly away from the cover 35, thereby permitting the receptacle to be lifted off of the frame base 7 as by means of the bail 40.

This invention is illustrated and described in particular relation to the cover operating means forming the subject matter of my application aforesaid, although it is susceptible of other applications. It represents a simple structure by which connection may be established or disestablished between the cover and the operating means therefor. The connection so established, moreover, is firm and tight, does not permit of loose play or wobbling, and is self-adjusting to different conditions.

I claim:

1. In combination with a receptacle having a cover and lifting means therefor, comprising two parts one being movable relative to the other, the one being formed with companion arms carrying between them a flat spring, and the other part being formed with companion walls between which the first part may be received, and means swingingly connected to the latter part adapted

to be moved into position over the former part, and including a cam device adapted to bear on the spring for holding the two parts firmly together, substantially as described.

2. In combination with a receptacle having a cover and lifting means therefor, comprising two parts on one of which is a flat spring, the other part being formed with spaced walls adapted to receive between them the first part, and means swingingly connected to the second part adapted to be moved into position over the first part and including a cam device for engaging with the spring thereon, substantially as described.

3. In combination with a receptacle having a cover and lifting means therefor, comprising a lever having two arms in spaced relation between which is mounted a flat spring, and a second part adapted for connection therewith comprising a channeled member between which the two arms of the lever may be received, a loop extending between the walls of the channeled member and carrying a clamping handle having thereon a cam face, the clamping handle being adapted for movement over the lever to present its cam face to the spring thereon, substantially as described.

4. In combination with a receptacle having a cover and lifting means therefor, a connection between the cover and lifting means comprising a lever secured to the lifting means having thereon a flat spring, and an element secured to the cover having means for centering itself relative to the lever, and means swingingly connected to the element adapted to be moved into position over the lever and including a cam device for engaging with the spring thereon, substantially as described.

LOTHAR R. ZIFFERER.

Witness:

EPHRAIM BANNING.