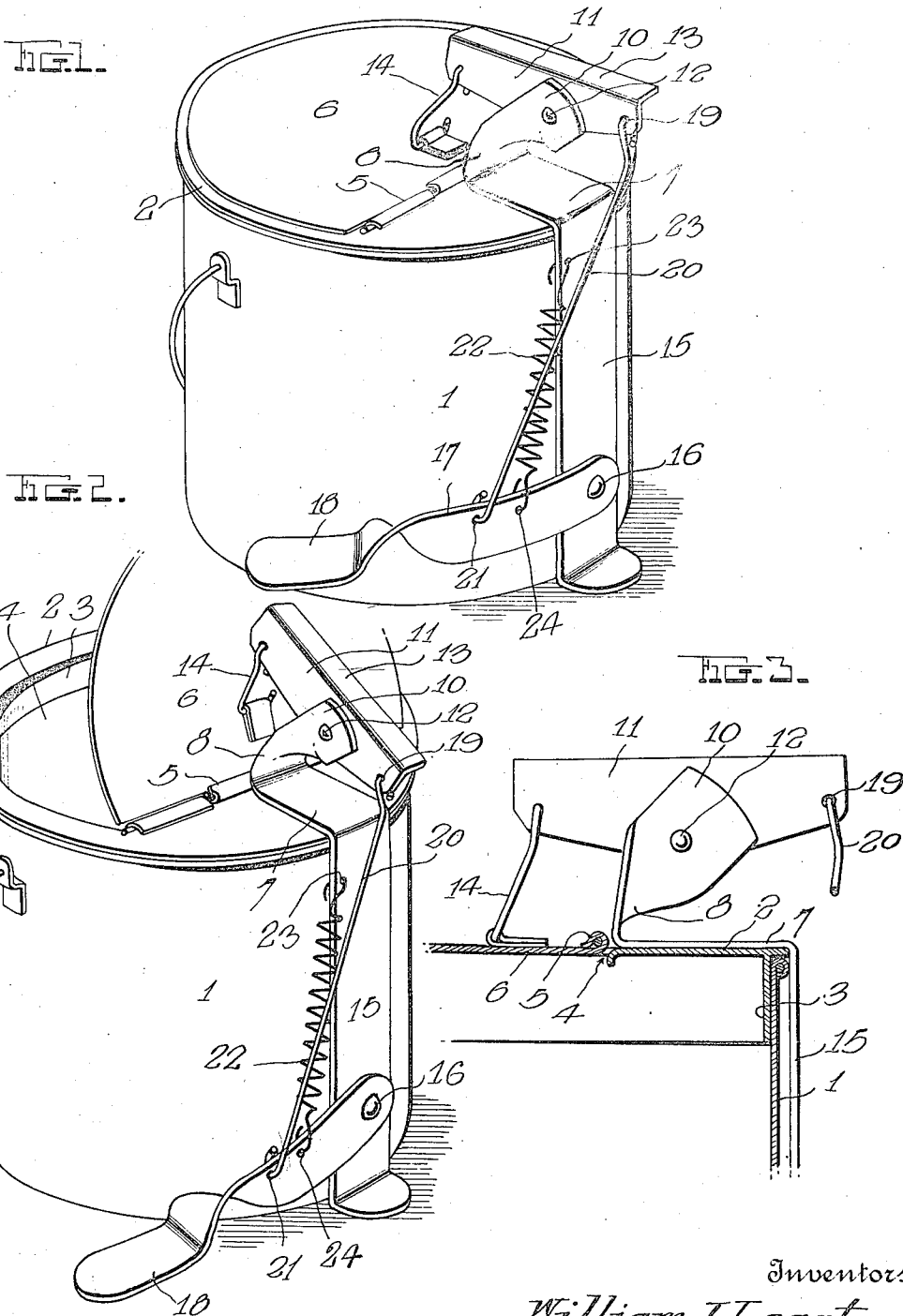


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 CLOSURE FOR GARBAGE RECEPTACLES AND THE LIKE.  
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1,195,481.

Patented Aug. 22, 1916.



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# UNITED STATES PATENT OFFICE.

WILLIAM J. LEGAT AND JOHN T. DUGAN, OF PITTSBURGH, PENNSYLVANIA.

CLOSURE FOR GARBAGE-RECEPTACLES AND THE LIKE.

1,195,481.

Specification of Letters Patent. Patented Aug. 22, 1916.

Application filed November 15, 1915. Serial No. 61,628.

*To all whom it may concern:*

Be it known that we, WILLIAM J. LEGAT and JOHN T. DUGAN, citizens of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Closures for Garbage-Receptacles and the like; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates generally to improvements in receptacles, and more particularly to improvements in operating devices for closures of garbage receptacles and the like.

The primary object of the invention is to provide a foot actuated mechanism for operating the lid or closure of a garbage or other receptacle, whereby the lid or closure may be easily and quickly opened when it is desired to deposit matter into the receptacle.

Another object of the invention is to provide a foot actuated closure which can be applied to receptacles of all types and sizes.

A still further object resides in the provision of a device which will be simple, strong, durable and inexpensive to manufacture, efficient and reliable in operation and well adapted to the purpose for which it is designed.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be hereinafter fully described and claimed.

In the accompanying drawings in which similar reference characters designate like parts throughout the several views: Figure 1 is a perspective view of a suitable receptacle provided with a lid operating device constructed in accordance with this invention, showing the lid in closed position; Fig. 2 is a similar view showing the lid in open position; and Fig. 3 is a detail vertical sectional view through a portion of the top of the receptacle.

Referring more particularly to the drawings, 1 represents a garbage receptacle, and 2 the cover plate for the same having an annular flange 3 extending downwardly from the lower side thereof said flange 3 fitting snugly within the walls of the can 1 as clearly shown in Fig. 3 of the drawings,

whereby to hold the cover plate 2 to the can 1. This flange 3 may, if desired, be dispensed with and other means substituted therefor for securing the cover plate to the can. The cover plate 2 is provided with a substantially semi-circular opening 4 and hinged at 5 to the rear edge of the opening 4 is a closure or lid 6.

Secured to the plate 2 in the rear of the opening 4 in any convenient manner is a strip of metal 7, the front end of which is bent upwardly and backwardly and then twisted transversely as at 8 to form a bracket 10. A lever 11 is pivoted at 12 at a point intermediate its ends, to the upper end of the bracket 10. As shown, this lever 11 is formed of a plate disposed in a vertical plane, and extending laterally from the upper edge of the same is a flange 13 which provides a convenient handle for inserting and removing the cover plate 2 to and from the can 1. The front end of the lever 11 is connected to the closure 6 at a point spaced forwardly from the hinge 5 by a link 14.

The rear end of the strip of metal 7 is bent around the rear edge of the plate 2, and depends below the latter in a substantially upright position to provide a support 15. At 16 near the lower end of the support 15 is pivoted one end of the lever 17, the other end of which is twisted and provided with a foot step 18. As clearly shown in Fig. 1 of the drawings, this lever 17 is curved longitudinally forwardly so that the step 18 is disposed adjacent one side of the can 1. Connected at one end to the lever 11 at 19, at its rear end which projects beyond the rear edge of the plate 2, is a wire link 20, the other end of the latter being connected at 21 to the lever 17 at a point intermediate its ends.

From the foregoing it may be seen that whenever the foot step 18 is pressed by the foot, the lever 17 is moved downwardly, thereby, through the medium of the link 20, moving the rear end of the lever 11 downwardly. This obviously raises the front end of the lever 11 which in turn opens the closure or lid 6, whereby rubbish, garbage, or the like, may be deposited in the can 1. To close the lid 6 when the pressure has been removed from the step 18, a coil spring 22 is connected at its upper end to the upper end of the support 15 as at 23, and at its lower end 24 to the lever 17 at a point be-

tween the pivot 16 and the connection 21. This means, however, is only one of a number of ways of accomplishing the same results.

5 It is needless to set forth the many advantages which the invention has and the many purposes for which it may be used. In its use in connection with garbage or rubbish receptacles, it is extremely convenient and sanitary.

10 The accompanying drawings are merely illustrative of one way in which the invention may be constructed as it is obvious that various changes in form and proportion may be made without departing from the spirit of the invention, and hence we do not wish to confine ourselves to the construction herein shown and described other than that set forth in the appended claims.

20 We claim as our invention:

1. A device of the character described comprising a cover plate having an opening therein, a hinged closure for said opening, a bracket secured to said plate adjacent the hinge of said closure, a lever pivoted intermediate its ends to said bracket, a link connecting one end of said lever with said closure, a support secured to the edge of said plate and depending below the same, a foot lever pivoted at one of its ends to the lower end of said support, an additional link connecting the other end of the first mentioned lever with said foot lever at a point intermediate the ends of the latter, and a coil spring connecting the upper end of said support with said foot lever.

2. A device of the character described comprising a cover plate having means for securing the same to a receptacle and provided with an opening therein near one side thereof, a hinged closure for said opening, a strip of metal secured to the other side of said plate, a bracket extending upwardly from the inner end of said strip adjacent the hinge of said closure, a lever pivoted intermediate its ends to said bracket, a link connecting the inner end of said lever with said closure, the other end of said strip being bent around the edge of said plate and depending below the latter to form a sup-

port, a foot lever pivoted at one of its ends to the lower end of said support, an additional link connecting the outer end of the first mentioned lever and said foot lever at a point intermediate the ends of the latter, and a coil spring connecting the upper end of said support with said foot lever.

3. A device of the character described comprising a cover plate having means for securing the same to a receptacle and provided with an opening therein near its front edge, a hinged closure for said opening, a bracket secured to said plate in the rear of said opening, a lever pivoted intermediate its ends to said bracket, a link connecting the front end of said lever with said closure, a support secured to said plate and depending from the rear edge of the latter, a foot lever pivoted at one end to the lower end of said support, said lever being curved longitudinally forwardly and having its other end disposed adjacent one side of said receptacle, an additional link connecting the rear end of the first mentioned lever with said foot lever at a point intermediate the ends of the latter, and a coil spring connecting the upper end of said support with said foot lever.

4. A device of the character described comprising a cover plate having an opening therein, a hinged closure for said opening, a bracket secured to said plate adjacent the hinge of said closure, a lever pivoted intermediate its ends to said bracket, a flange extending laterally from the upper edge of said lever to provide a handle for said plate, a support depending from said plate, a foot lever pivoted to said support, links connecting the ends of the first mentioned lever with said closure and said foot lever respectively, and spring means for retaining the latter in its normal position.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

WILLIAM J. LEGAT.  
JOHN T. DUGAN.

Witnesses:  
EDWARD SEFTON,  
EDWARD P. STACK.