

Aug. 14, 1928.

1,680,957

J. H. STEAN
REFUSE CONTAINER
Filed Sept. 20, 1926

Fig. 1.

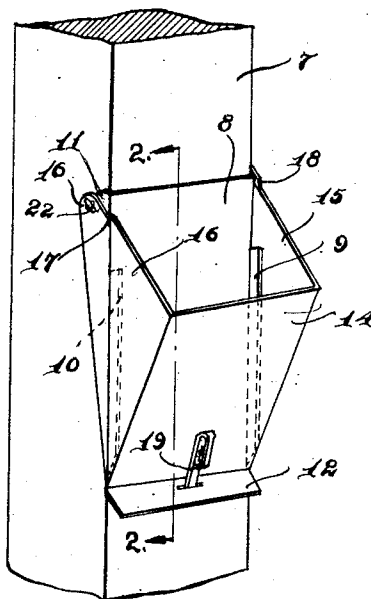


Fig. 2.

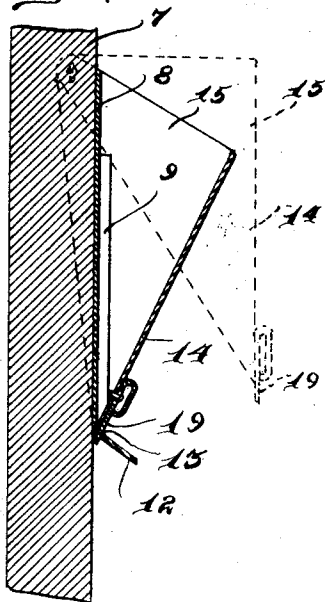


Fig. 3.

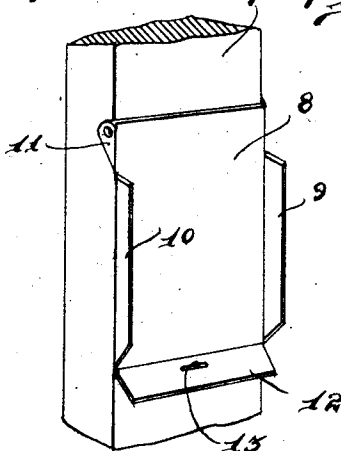
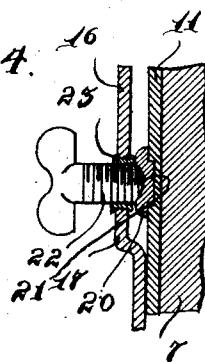


Fig. 4.



INVENTOR.
Jules H. Stean.

BY

Thos. D. Denny
ATTORNEY.

Patented Aug. 14, 1928.

1,680,957

UNITED STATES PATENT OFFICE.

JULES H. STEAN, OF MARQUETTE, MICHIGAN.

REFUSE CONTAINER.

Application filed September 20, 1926. Serial No. 136,431.

My invention relates to a new and useful improvement in a refuse container adapted for mounting in the interior of buildings and other suitable places, and has for its object the provision of a refuse container which will be simple in construction, economical of manufacture and highly efficient in use.

Another object of the invention is the provision of a refuse container of this class which may be easily and quickly emptied.

Another object of the invention is the provision of a refuse container of this class which is made from a minimum number of parts, and easily and quickly assembled.

Another object of the invention is the provision of a refuse container of this class which may be mounted upon a supporting surface without requiring the mounting on the supporting surface permanently of any hangers or any supporting members.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawings which form a part of this specification and in which,

Fig. 1 is a perspective view of invention showing mounted on a supporting member.

Fig. 2 is a sectional view taken on substantially line 2—2 of Fig. 1.

Fig. 3 is a perspective view of the rear portion of the invention placed on a supporting member.

Fig. 4 is an enlarged fragmentary sectional view of the clamping mechanism used in the invention.

The invention is adapted particularly for mounting in factories and the like, so as to provide a refuse container where refuse and other similar material may be deposited at intervals. In factories and the like, it is desirable that a refuse container of this class be one which is easily and quickly emptied, and at the same time one which may be positioned at sufficient elevation to prevent its obstructing the workmen in carrying on their duties. To this end I have provided a refuse container which may be mounted on a column 7 or other similar supporting surface, and the invention is formed, as shown in the drawings, from two separate stampings which may be pressed from sheet metal or other similar material. A rear portion comprises a panel 8, having at its longitu-

dinal edges outwardly projecting flanges 9 and 10 and which has adjacent its upper edge inwardly projecting ears 11. The panel 8 is angularly turned at its lower edge to provide outwardly projecting downwardly inclined flange 12 which is provided intermediate its ends with a slot 13. The forward portion of the container which forms the receptacle proper is also formed from a piece of metal preferably a stamping from sheet steel or the like, and comprises a front wall 14, and side walls 15 and 16 as shown in the drawings. The front wall 14 is preferably rectangular and the side walls 15 and 16 are triangular. The apex of the side walls is slightly offset as at 17 and 18 so as to embrace the ears 11 which engage the sides of the column 7. Carried on the front wall 14 is a slidably mounted locking bolt 19 which is adapted upon movement of the forward portion into the position shown in full lines in Fig. 2 and in Fig. 1 to move by gravity into engagement with the slot 13, so as to lock the forward portion in fixed relation to the rearward portion of the container. Mounted on each of the ears 11 is a wear plate 20 having a recess 21 formed in its outer surface and adapted for providing a seat for the end of the screw 22 which is threaded into a bushing 23 mounted in the side walls 15 and 16. If desired, the bushing 23 may be dispensed with and the screw 22 threaded into the side wall itself, thus making the device somewhat more cheaply manufactured. Also, if desired, the wear plate 20 may be dispensed with and the screw 22 engaged against the ears 11 themselves. In mounting the device the rear portion is placed on the column 7 as shown in Fig. 3, and the forward portion is positioned thereon as shown in Fig. 1, the sides 15 and 16 overlapping the ears 11. By a threading of the screws 22 inwardly, the side walls, 16 and 15, are sprung apart slightly, so as to place a strain on the ears 11, pressing these inwardly against the column 7, and serving to support the container on the column 7 or other supporting member. When it is desired to empty the container, the bolt 19 is moved upwardly, and disengages the slot 13, and a cart or other desirable means of transportation positioned beneath to outwardly directed downwardly inclined flange 12, whereupon the refuse in the receptacle will be deposited in the cart or other container, the refuse moving by gravity from the

receptacle. In this connection it will be noted that the flange 12 serves as a sort of chute or guide for directing the refuse outwardly from the column 7. The flanges 9 and 10, of course, engage between the side walls 15 and 16.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A refuse container of the class described comprising: a supporting portion adapted for mounting on a suitable support; a receptacle forming portion swingably mounted on said supporting portion; and means for mounting said receptacle forming portion on said supporting portion and for simultaneously clamping said supporting portion on said support.

2. A refuse container of the class described comprising: a supporting portion adapted for mounting on a suitable support; a receptacle forming portion; means for swingably connecting the opposite sides of said receptacle forming portion adjacent its upper edge on the said supporting portion adjacent its upper edge, said means serving to secure said supporting portion on said support, said receptacle forming portion swinging downwardly, on its mountings as a pivot, to engage at its lower edge said supporting portion; an outwardly projecting downwardly inclined flange on the lower edge of said supporting portion provided with an opening formed therein, and lock means mounted on said receptacle forming portion adjacent its lower edge for engaging in said opening and normally retaining said receptacle forming portion in fixed relation to said supporting portion.

3. A refuse container of the class described comprising: a supporting portion; a pair of ears each mounted at opposite edges of said supporting portion adjacent its upper end adapted for embracing a suitable support; a longitudinally outwardly projecting flange on the opposite edges of said supporting portion, said flanges terminating below the upper edge of said supporting portion; an outwardly projecting downwardly inclined flange on the lower edge of said supporting portion; a receptacle forming member comprising a front wall, and a pair of side walls, said side walls at their upper ends overlapping said ears, the lower edge of the front wall of said receptacle forming portion engaging adjacent the base of said outwardly projecting downwardly inclined flange, said longitudinally extending flanges on said supporting portion projecting inwardly on the side walls of said receptacle forming portion; means for

swingably attaching said receptacle forming portion on said ears; and means for locking said receptacle forming portion against swingable movement.

4. A refuse container of the class described comprising: a supporting member having a main body; a pair of rearwardly projecting ears at opposite sides of said main body adjacent its upper edge, said ears being adapted for embracing a suitable support; a pair of downwardly projecting longitudinally extending flanges at opposite edges of said main body, said flanges terminating below the upper edge thereof; an outwardly projecting downwardly inclined flange on the lower edge of said main body; a receptacle forming member comprising a front wall and a pair of triangularly shaped side walls, said side walls at their apex overlapping said side ears; a screw carried by each of said side walls adjacent their apex adapted for threading into engagement with said ears for clamping said ears into clamping relation to said support, said receptacle forming portion being swingable on said screws as a pivot; said downwardly directed flange having an opening formed therein; and locking means mounted on said front wall for engaging in said opening for normally preventing swingable movements of said receptacle forming portion relatively to said supporting portion.

5. A refuse container of the class described comprising: a supporting portion adapted for mounting on a suitable support; a receptacle forming portion; means for swingably connecting the opposite sides of said receptacle forming portion on said supporting portion adjacent its upper edge, said means serving to secure said supporting portion on said support, said receptacle forming portion swinging downwardly on its mountings as a pivot, to engage at its lower edge said supporting portion.

6. A refuse container of the class described comprising: a supporting portion adapted for mounting on a suitable support; a U-shaped receptacle forming portion comprising three sides; means for swingably connecting the opposite sides of said receptacle forming portion adjacent its upper edge on said supporting portion adjacent its upper edge, said means serving to secure said supporting portion on said support, said receptacle forming portion swinging downwardly on its mountings as a pivot, to engage at its lower edge said supporting portion.

In testimony whereof I have signed the foregoing.

JULES H. STEAN.