M. SAMELSON.

Ash and Garbage Vault.

No. 201,202. Patented March 12, 1878.

Fig. 1.

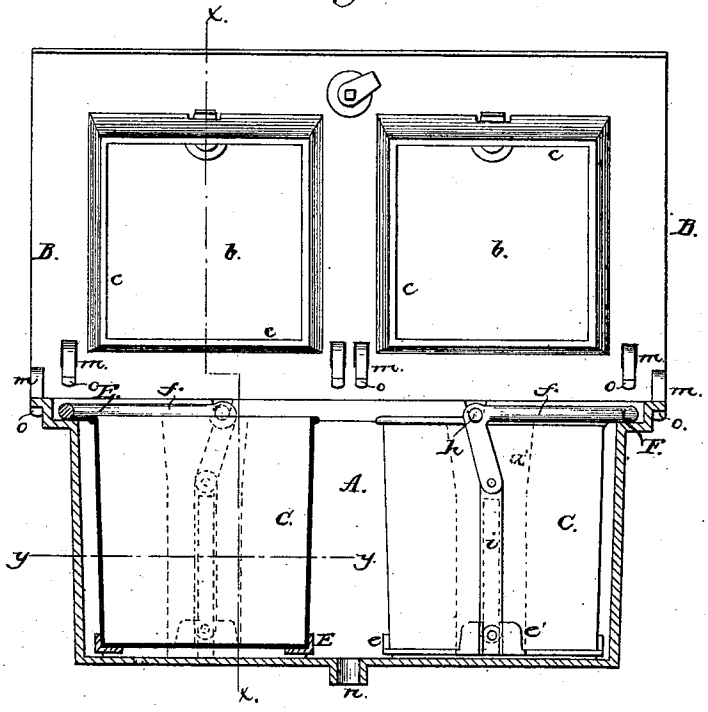


Fig. 2.

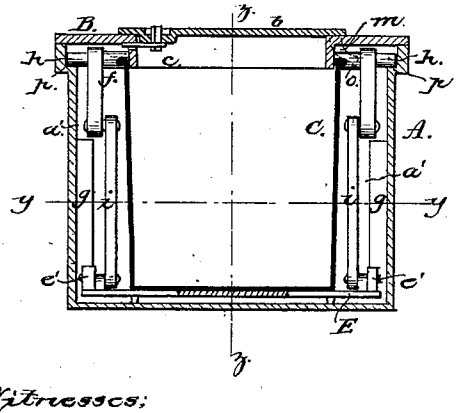
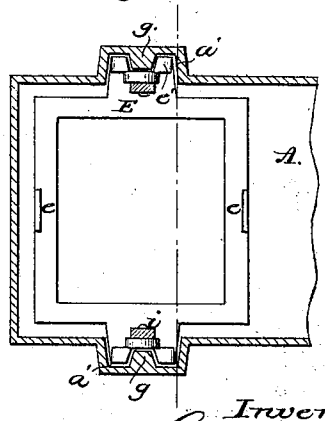


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

MOSES SAMELSON, OF NEW YORK, N. Y.

IMPROVEMENT IN ASH AND GARBAGE VAULTS.

Specification forming part of Letters Patent No. **201,202**, dated March 12, 1878; application filed August 11, 1877.

To all whom it may concern:

Be it known that I, MOSES SAMELSON, of the city, county, and State of New York, have invented a new and useful Improvement in Ash and Garbage Vaults; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a longitudinal section of the vault, showing the cover in an open position; Fig. 2, a cross-section of the same on the line *x x*, Fig. 1, and showing the covers in a closed position; and Fig. 3, a sectional plan view on the line *y y*, Fig. 1.

The object of my invention is to provide a covered vault for ashes and garbage, to be placed below the level of the sidewalk or street-pavement, whereby the respective materials are kept separated, the dumping or removal of the same readily effected, and no obstruction offered to pedestrians or vehicles.

My invention will be first fully described, and subsequently pointed out in the claims.

In the drawing, A represents a vault, which may be constructed of any suitable material, (cast-iron being preferred,) and provided with a hinged cover, B. The vault shown is made of sufficient length to accommodate two or more buckets, C C, one of said buckets being intended for the ashes, and the other for the garbage.

The cover B is provided with two separate openings, arranged, when the cover is closed, directly above the respective buckets. These openings are provided with independent covers *b b*, so that either bucket may be filled or emptied without disturbing the adjacent one. These openings are also surrounded with internal depending flanges *c c*, rigidly connected to the cover B, or cast as an integral part therewith, and are made of a sufficient depth to enter the interior of the buckets when the cover is closed, so as to prevent the escape of the materials in filling the same.

The sides of the vault A are recessed, as shown at *a' a'*, in which the devices for raising and lowering the buckets are partially arranged, and an opening, *n*, is also provided in the bottom of the vault, which is designed as a waste-opening, and may communicate with the street-sewer.

E E represent false bottoms, upon which the buckets C C rest, and are elevated or lowered, as desired. These false bottoms are constructed with vertical flanges *e e*, to prevent the buckets from moving thereon, and with side projecting lugs *e' e'*, which fit within the recesses *a' a'*, and to which the bail F is pivoted.

The lugs *e' e'* are provided with vertical slots to accommodate corresponding ribs *g g*, arranged within each recess *a'*, to steady and guide the false bottom in the act of elevating or lowering the bucket.

The bail F is constructed with a bell-crank arm, *f*, and is provided with projecting trunnions *h h* at the intersection of the angle thereof, and the extremity of the bell-crank arm is pivoted to a link, *i*, which extends to, and is also pivoted to, the false bottom.

The trunnions *h h* have their bearings *p p* in the sides of the vault, and the pivoted connections with the false bottom are of the proper length to permit the bucket to be lowered to the destined depth.

The trunnion-bearings *p p* are formed in the upper internal edge of the side of the vault, and uncovered, in order that the entire elevating mechanism may be removed therefrom, for the purpose of cleaning or repairs, the trunnions being retained within their bearings, when raising or lowering the buckets, by the weight of said buckets or the false bottom.

When the vault is closed the bail F is turned down longitudinally, and rests upon the internal flange thereof, as shown.

The buckets are made of any suitable non-corrosive substance, usually of zinc, and are provided with handles, in the usual way.

Each cover is supplied with a suitable catch or lock; but the hinges are of such construction that when the covers are closed the hinges are entirely hidden, and when opened act to retain the covers in an upright position. These hinges are composed of a curved arm, *m*, rigidly connected to the under side of the cover, and arranged to pass through an opening, *n*, in the part upon which the cover rests. The arm *m* is made of sufficient length to al-

low the cover to be opened a proper distance, and upon its inner end a lug or stop, *o*, is constructed, which is brought in contact, in the act of opening the cover, with the under side of the part through which the arm passes, which arrests and retains the cover in the desired open position.

It will be observed that the opening *n* is slightly elongated, which permits the hinge in certain positions of the cover to be disconnected, so that the latter may be entirely removed. The several parts composing the device, when constructed and arranged in substantially the form shown, may be made of cast metal, and assembled without additional fitting, and, if desired, may be galvanized entire, to prevent corrosion, or where the movable parts are operated in contact.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An ash and garbage vault adapted to contain two or more removable buckets, with suitable mechanism for elevating and lowering said buckets, and provided with a hinged cover having independent openings communicating with the respective buckets, surrounded with internal depending flanges, and provided with auxiliary hinged covers, substantially as described.

2. The combination of the false bottom E, bail F, and connecting mechanism with the vault A, provided with the open trunnion-bearings *p p*, whereby the bucket and elevating mechanism may be elevated entirely clear of the vault, substantially as described.

3. The removable cover B *b b*, having the curved arms *m*, provided with the lugs or stops *o*, forming an integral part thereof, arranged upon the under side of said covers, and operating through openings in the adjoining parts, substantially as and for the purpose specified.

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