

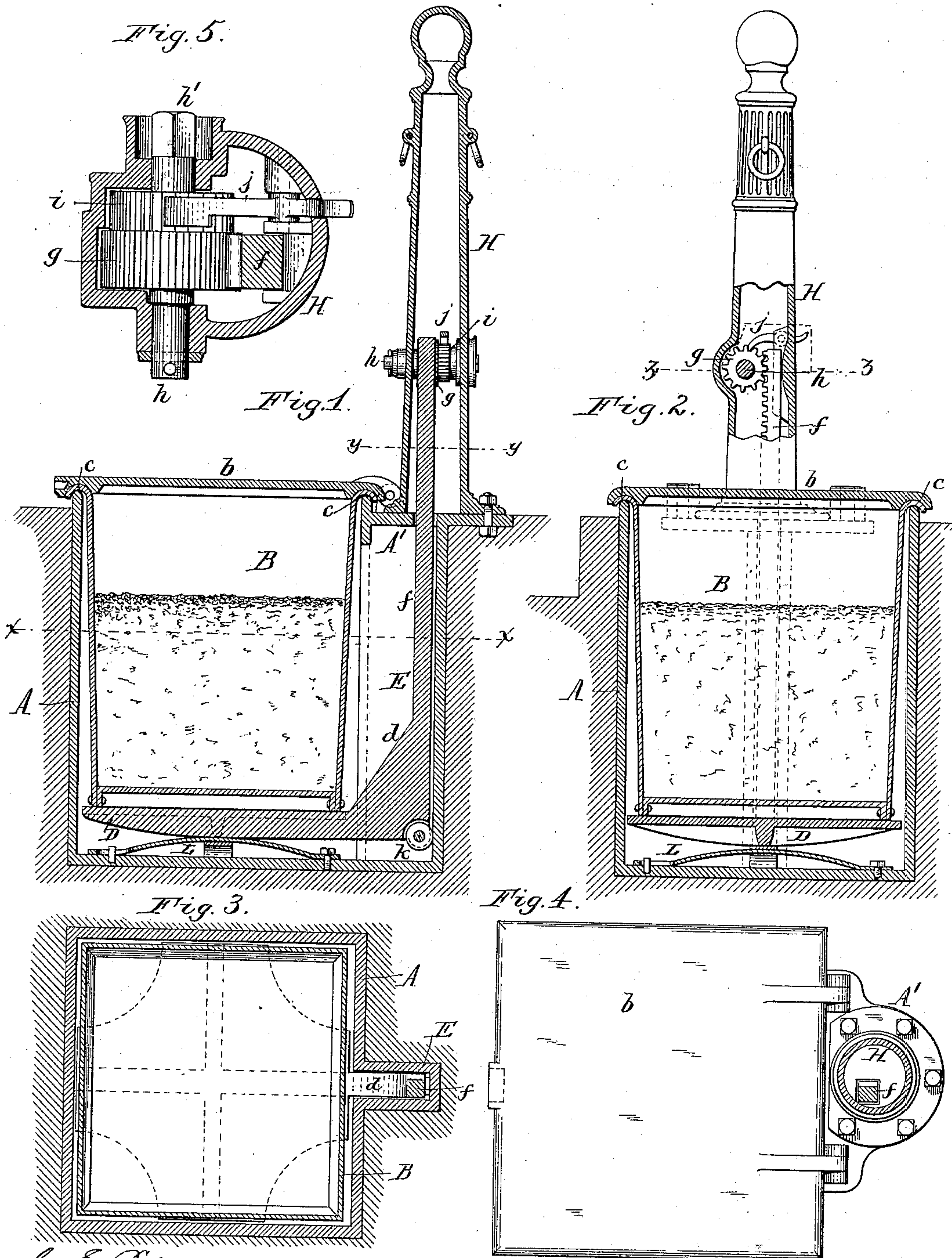
(No Model.)

2 Sheets—Sheet 1.

W. BAYNES & A. R. CLARK.
ASH OR GARBAGE RECEPTACLE.

No. 330,201.

Patented Nov. 10, 1885.



Geo. E. Pitman.
Otto H. Koch. } Witnesses.

William Baynes
A. Ralph Clark } Inventors.
By Wilhelm H. Pinner. Attorneys.

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Fig. 6.

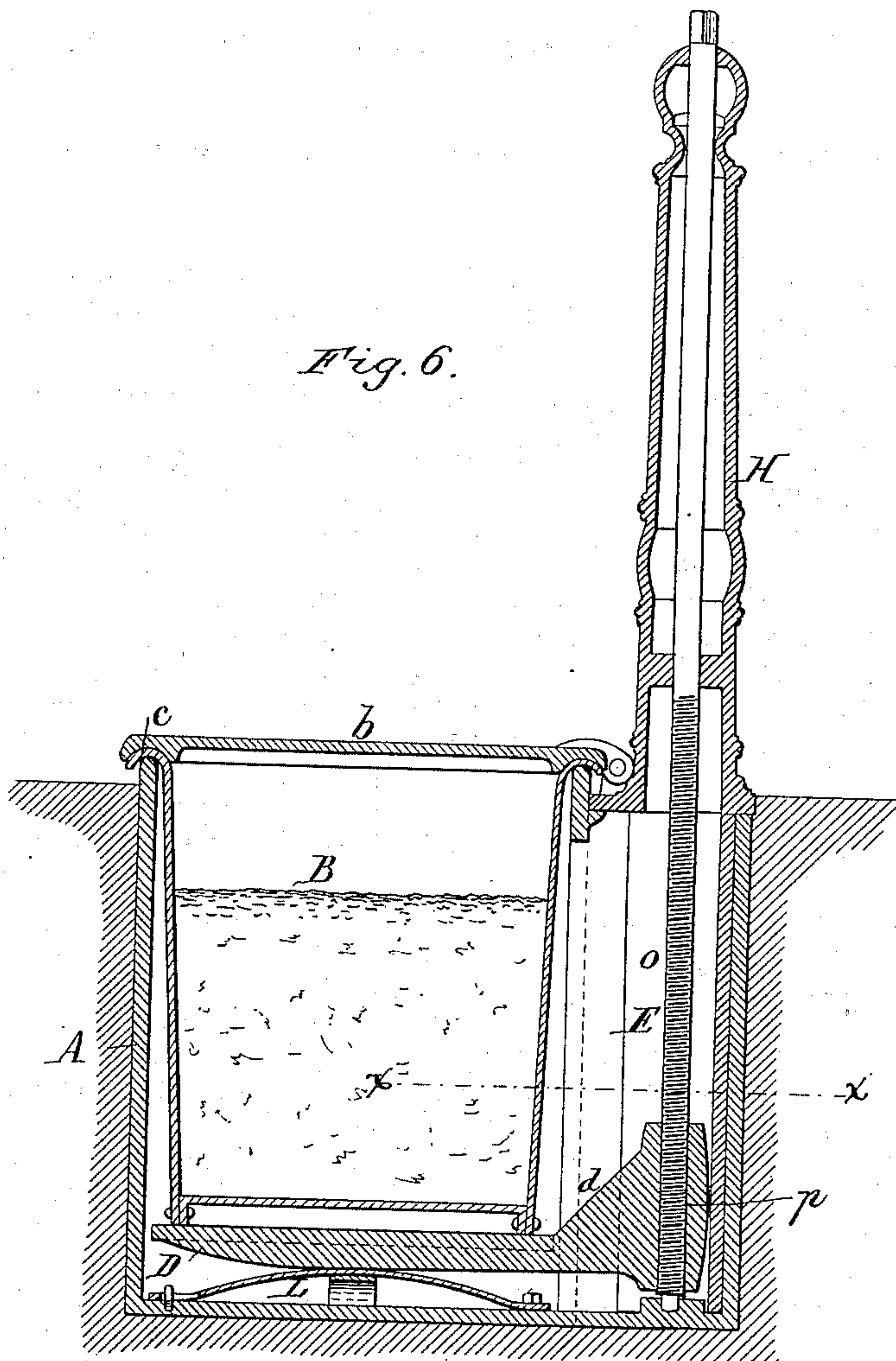
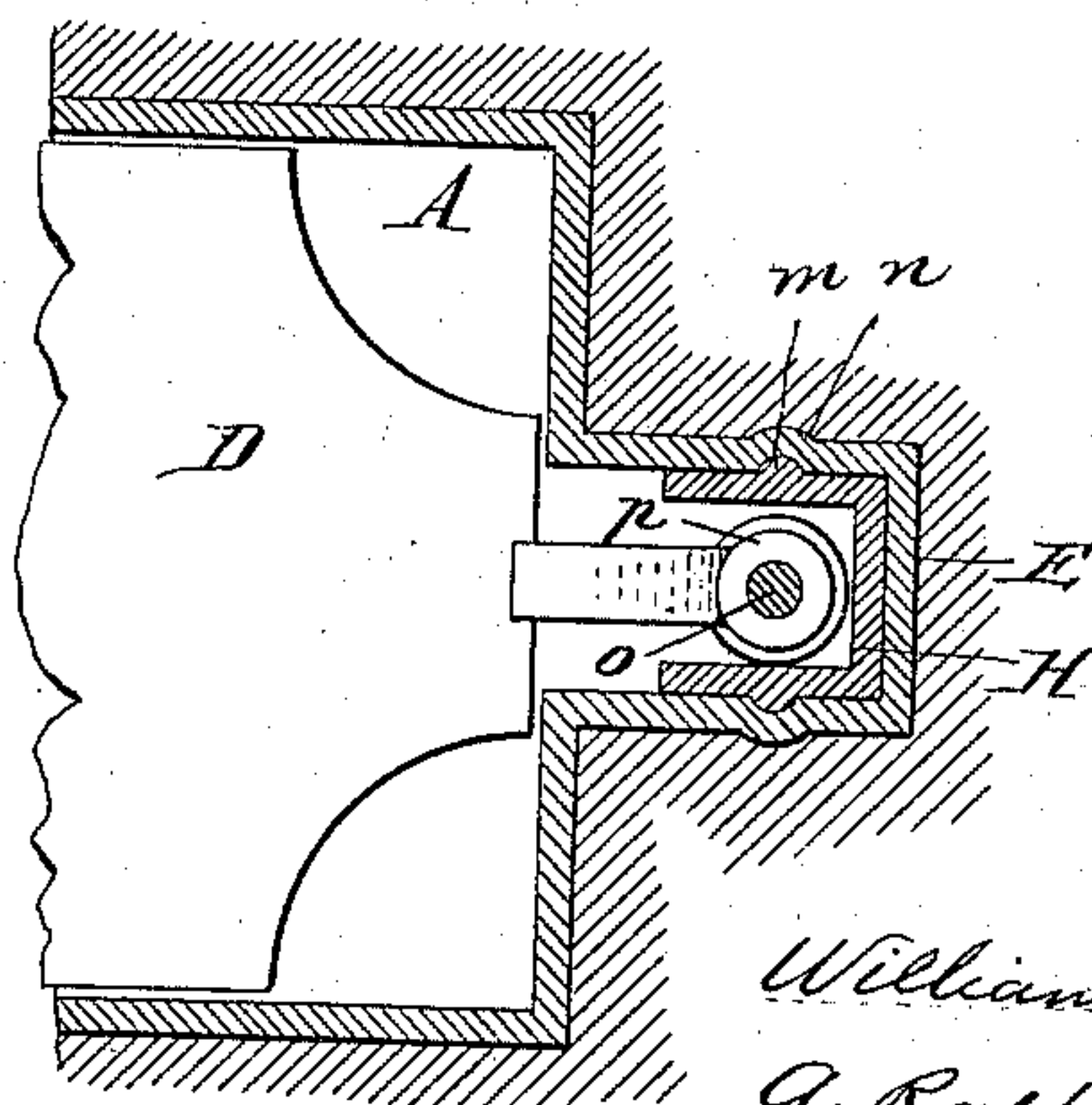


Fig. 7.



Geo. E. Pitman
Otto H. Kroetz } Witnesses.

Inventors:
William Baynes
A. Ralph Clark.

By Wilhelm H. Humer. Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM BAYNES AND A. RALPH CLARK, OF BUFFALO, NEW YORK.

ASH OR GARBAGE RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 330,201, dated November 10, 1885.

Application filed December 15, 1884. Serial No. 150,459. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM BAYNES and A. RALPH CLARK, both of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Ash or Garbage Receptacles, of which the following is a specification.

This invention relates to an improvement in that class of ash or garbage receptacles for streets in which the receptacle is concealed in a suitable casing sunk into the ground, and which is provided with suitable mechanism whereby the receptacle can be elevated or raised out of the casing when desired to empty the receptacle of its contents.

The object of our invention is to improve the construction of this class of garbage-receptacles; and it consists of the improvements which will be hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, consisting of two sheets, Figure 1 is a vertical sectional elevation of our improved ash or garbage receptacle. Fig. 2 is a sectional elevation at right angles to Fig. 1. Figs. 3 and 4 are horizontal sections in lines *x x* and *y y*, Fig. 1, respectively. Fig. 5 is a horizontal section, on an enlarged scale, in line *z z*, Fig. 2. Fig. 6 is a sectional elevation showing a modified construction of the lifting mechanism of the ash or garbage receptacle. Fig. 7 is a horizontal section in line *x x*, Fig. 6.

Like letters of reference refer to like parts in the several figures.

A represents a casing constructed of cast-iron or other suitable metal and sunk into the ground, the top of the casing projecting sufficiently above the surface of the street or sidewalk to prevent the surface-water from entering the casing.

B represents the ash or garbage receptacle, which is removably seated in the casing A and closed by a cover, *b*, which is pivoted to a top extension, *A'*, of the casing A. The receptacle B is provided at its top with an outwardly-projecting flange, *c*, which overlaps the upper edge of the casing A and rests on the same, as clearly represented in Figs. 1 and 2, thereby forming a tight joint, which prevents the entrance of soil, &c., into the casing A. The cover *b* fits snugly upon the curved flange *c*,

forming a tight joint therewith and confining the ashes and garbage, which are placed in the receptacle B. The latter is preferably constructed of galvanized iron, so as to be light and strong.

D represents a movable platform, which is arranged in the casing A, and on which the receptacle B rests. The platform D is capable of vertical movement in the casing A and guided in its movements by a shank, *d*, which moves in a vertical recess, E, formed on one side of the casing A. The casing A and recess E are closed at their sides and bottom to prevent the entrance of water and soil into the casing.

f represents a rack-bar extending upwardly from the shank *d* and engaging with a pinion, *g*, which is mounted on a horizontal shaft, *h*. The latter is journaled in a column, H, which is secured to the top extension, *A'*, of the casing A, and provided with a square end, *h'*, to which a hand-crank can be applied for turning the shaft.

i represents a ratchet-wheel secured to the shaft *h* on one side of the pinion *g*, and *j* represents a pawl, which engages with the ratchet-wheel *i*, to prevent backward movement of the same and downward movement of the platform D. The rear end of the pawl *j* extends through an opening in the column H, so that the pawl can be disengaged by hand when it is desired to lower the platform. Upon turning the shaft *h* in the proper direction the platform is raised so as to bring it above the surface of the ground. The working parts—such as the pinion *g*, ratchet-wheel *i*, pawl *j*, and rack-bar *f*—are tightly inclosed in the column H, to exclude dirt, rain, &c.

k represents an anti-friction wheel attached to the lower end of the platform D, and bearing against the rear side of the recess E for the purpose of relieving the friction of the platform in its vertical movements.

L represents an elastic cushion secured to the bottom of the casing A, and adapted to receive the impact of the platform when it is lowered.

The column H may be secured to the top extension, *A'*, of the casing, as represented in Fig. 1; or the recess may be enlarged, and the column may be extended downwardly into this

recess, where it is held against lateral displacement by vertical ribs *m*, entering grooves *n* in the inner side of the recess, as represented in Figs. 6 and 7. The lower part of the column, which is inserted into the recess E, is open toward the case A to permit of the passage of the shank *d*. The column H may be utilized as a hitching-post, if desired. Instead of the rack and pinion for lifting the platform, a vertically-screw-threaded rod, *o*, working in a screw-threaded lug, *p*, formed on the platform, may be employed.

The casing A may be connected by a drain-pipe with a sewer, if it should be desirable to wash out the casing occasionally. When the ash or garbage receptacle B is placed in the casing A and the lid or cover *b* is closed, as represented in Fig. 1, the ashes or garbage is out of sight, and its contents are concealed and confined so as not to be scattered about or interfered with in any manner. The ash or garbage receptacle is easily accessible upon opening the lid *b*, and when it becomes necessary to empty the receptacle the latter is easily lifted above the ground by means of the lifting mechanism. The casing A is ordinarily sunk into the ground in the sidewalk; but the device may also be employed in cellar-areas by extending the lifting mechanism down to the bottom of the cellar, so that the ash or garbage receptacle can be lifted to the sidewalk by means of the lifting mechanism.

We claim as our invention—

1. The combination, with the sunk casing A, of a vertically-movable support, D, arranged in said casing, a removable receptacle, B, resting on said support, a vertical lifting-bar connected at its lower end with the support D and projecting upwardly through and above the sunk casing, and a column, H, inclosing the upper portion of the lifting-bar and arranged above the ground, and secured with its lower end to the top of the sunk casing, substantially as set forth.

2. The combination, with the sunk casing A, of a vertically-movable support, D, arranged in said casing, a removable receptacle, B, resting on said support, a vertical rack-bar, *f*, connected at its lower end with the support D and projecting upwardly through and above the sunk casing, a column, H, inclosing the upper portion of the rack-bar and arranged above the ground, and secured with its lower end to the top of the sunk casing, a gear-pinion, *g*, and ratchet and pawl *i j*, mounted in the column H, substantially as set forth.

3. The combination, with the sunk casing A, of the removable receptacle B, movable platform D, the lifting mechanism connected therewith, and an elastic cushion, I, arranged between the bottom of the casing and the movable platform to receive the impact of the latter, substantially as set forth.

4. The combination, with the sunk casing A, having a recess, E, on one side, and the removable receptacle B, of the movable support D, and mechanism, substantially as described, for raising and lowering said support, and arranged in the recess E and extending upwardly above the sunk casing, substantially as set forth.

5. The combination, with a sunk casing, A, having a recess, E, provided on its inner side with vertical grooves *n*, of the removable receptacle B, movable support D, column H, provided with ribs *m*, entering the grooves *n*, and mechanism, substantially as described, whereby the support D is raised and lowered, substantially as set forth.

Witness our hands this 10th day of December, 1884.

WILLIAM BAYNES.
A. RALPH CLARK.

Witnesses:

JNO. J. BONNER,
GEO. E. PITMAN.