

No. 840,712.

PATENTED JAN. 8, 1907.

C. H. ROLLINS.
FLOOR CONNECTION FOR WATER CLOSETS.
APPLICATION FILED APR. 30, 1904.

Fig. 1.

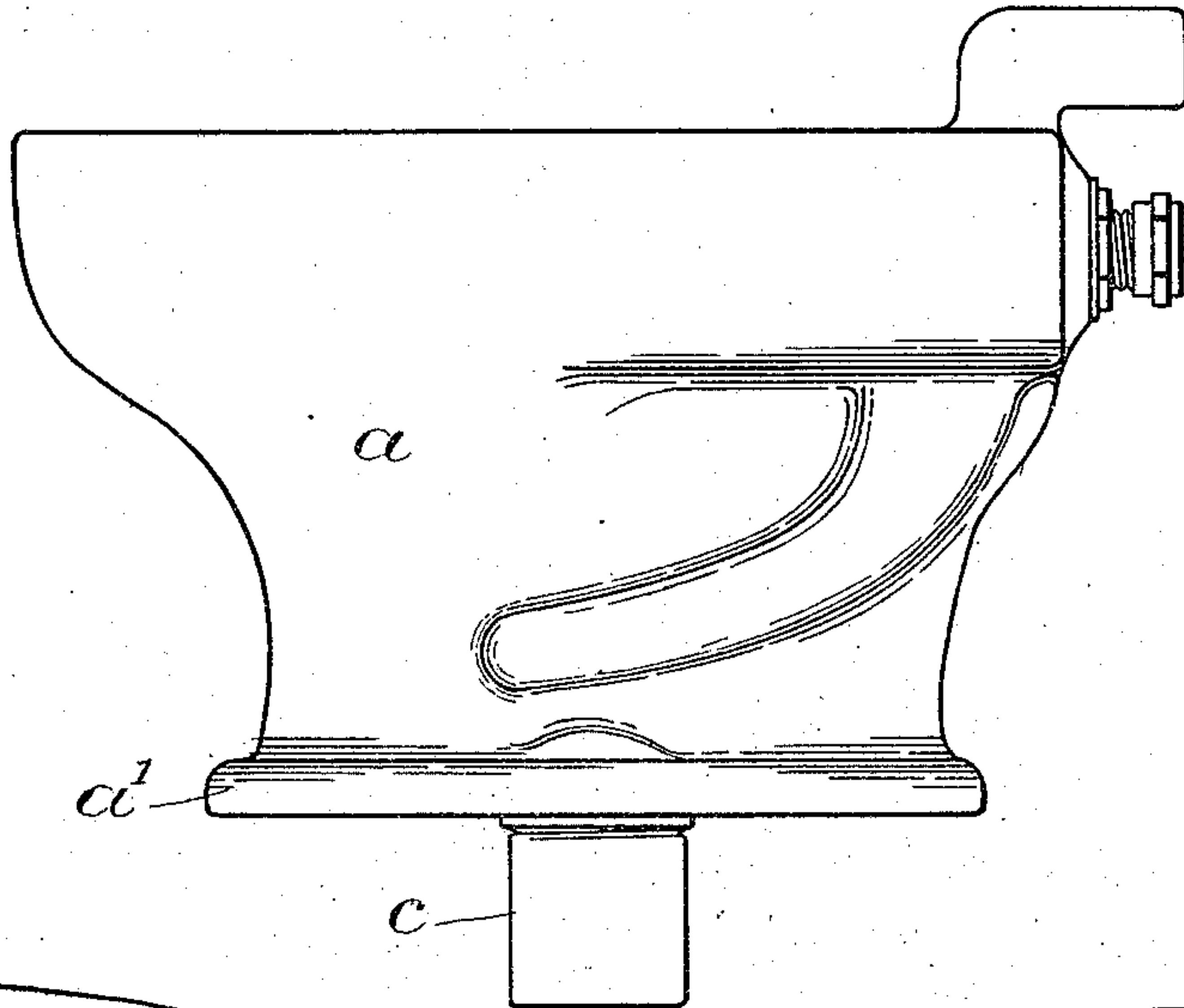


Fig. 2.

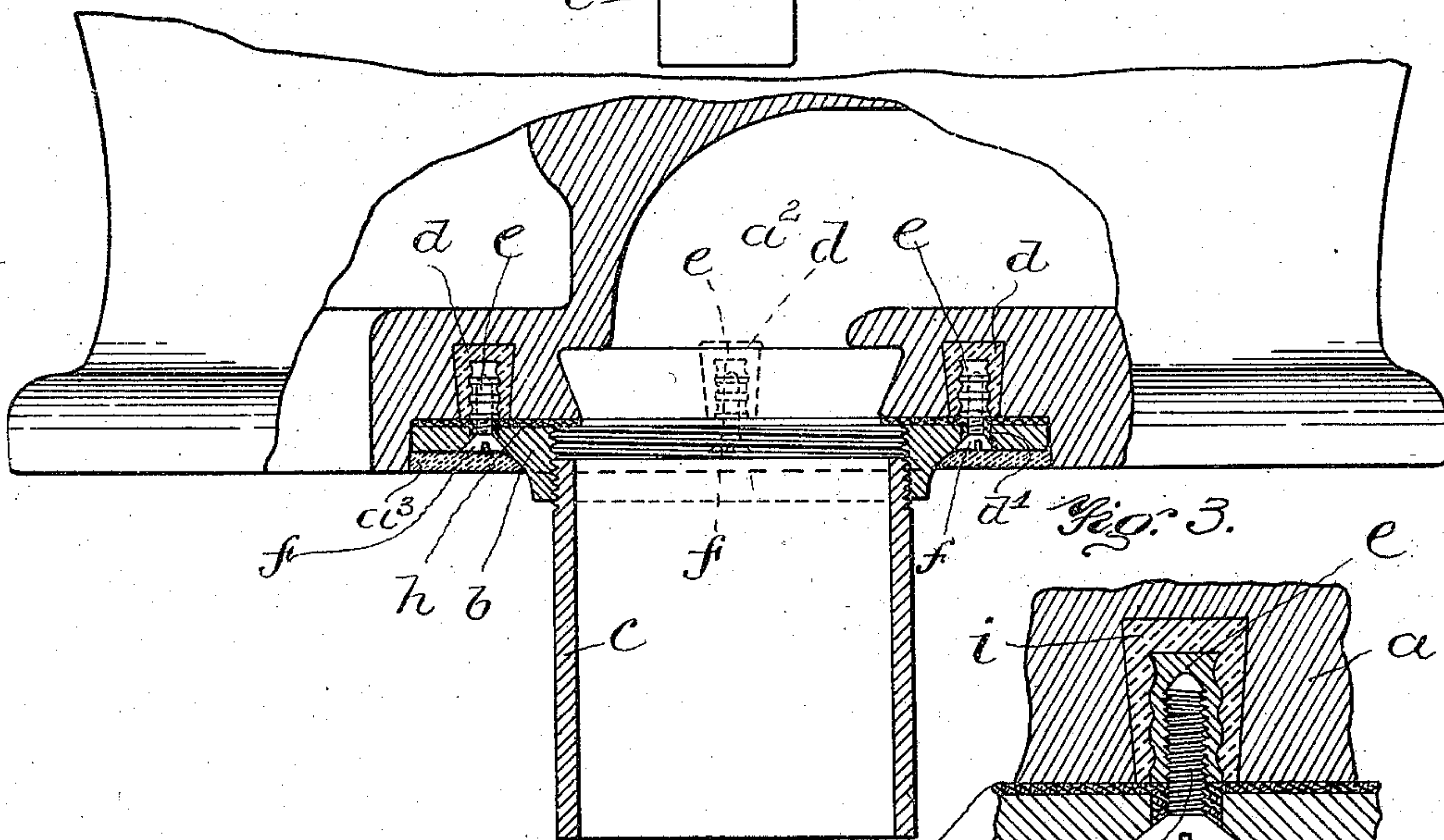
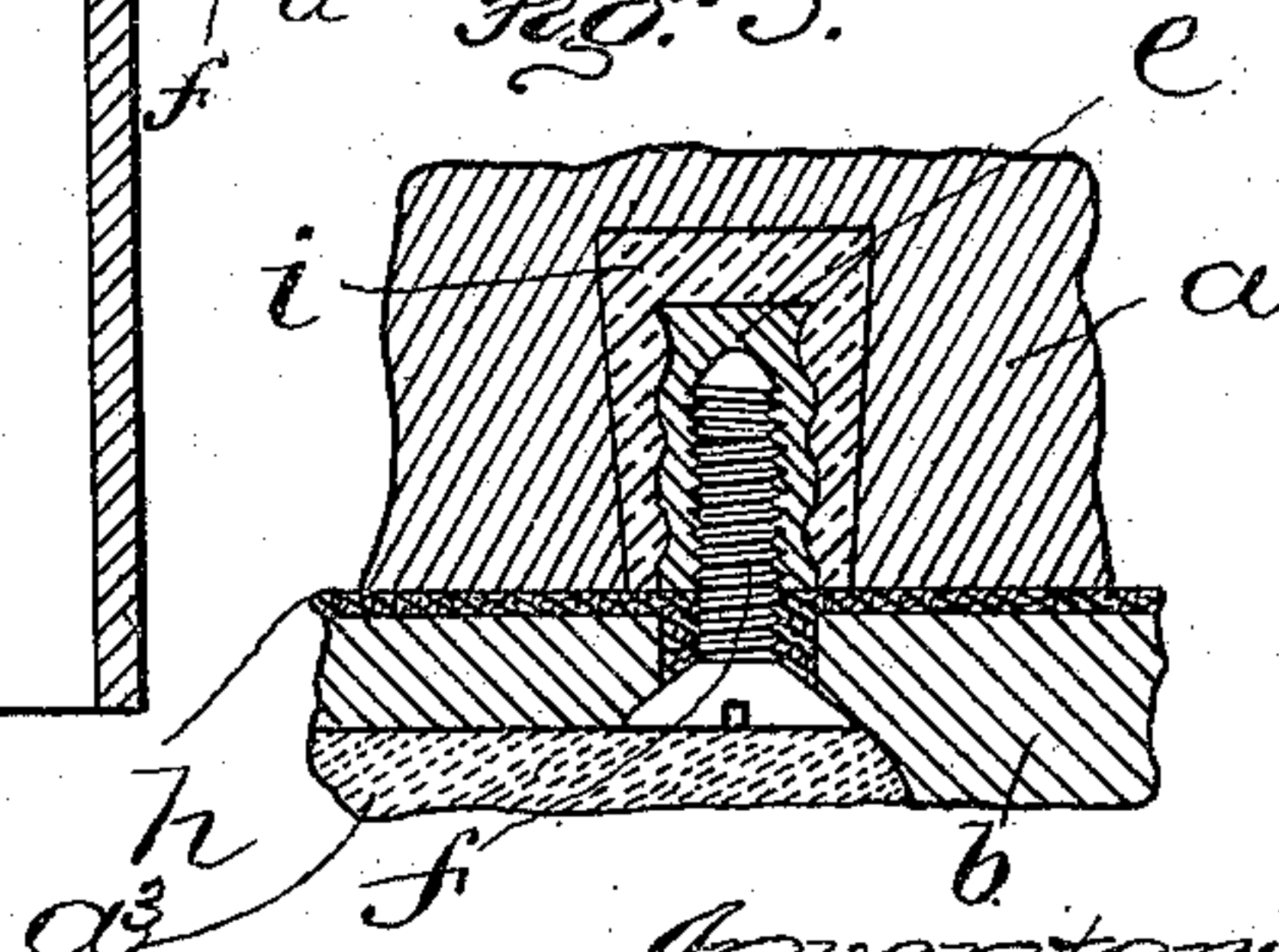


Fig. 3.



Witnesses:

C. C. Stecher.
F. D. Sweet.

Inventor:
Charles H. Rollins

By *Leah Brown* *Attys.*

UNITED STATES PATENT OFFICE.

CHARLES H. ROLLINS, OF WATERTOWN, MASSACHUSETTS, ASSIGNOR OF
ONE-HALF TO EDGAR W. ANTHONY, OF BROOKLINE, MASSACHUSETTS.

FLOOR CONNECTION FOR WATER-CLOSETS.

No. 840,712.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed April 30, 1904. Serial No. 205,823.

To all whom it may concern:

Be it known that I, CHARLES H. ROLLINS, of Watertown, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Floor Connections for Water-Closets, of which the following is a specification.

This invention has for its object to provide an improved floor connection between the water-closet bowl and the soil-pipe or lead-bend which extends beneath the floor.

In carrying out the invention it has been my object to so construct the connection that it will be concealed within and below the flange or base of the closet, so as not to detract from the appearance of the closet when set.

It has further been my object to provide means whereby one of the metallic members forming a part thereof may be rigidly attached to the porcelain base of the closet and at the same time so connect the closet with the soil-pipe as to prevent the possible escape of water.

Referring to the drawings, Figure 1 represents in side elevation a closet with my improved floor connection. Fig. 2 represents an enlarged section through the bottom portion of the same. Fig. 3 represents a section through the means for securing the ring to the base of the closet.

Upon the drawings the closet-bowl is indicated at *a* and is provided with the base or floor flange *a'*, adapted to rest upon the floor. The closet-bowl is provided with an outlet *a²*, surrounding which is an annular recess *a³* for the reception of an internally-threaded ring or annular member *b*. Screwed into the ring or member is a pipe-section *c*, which is adapted to be connected by any suitable coupling with the lead-bend of the soil-pipe. Arranged around the mouth of the outlet *a²* is a plurality of sockets *d*, each of which converges toward its mouth, so as to provide undercut walls. In each of these sockets is placed an internally-threaded nipple *e*, the exterior of which is transversely corrugated, as best shown in Figs. 2 and 3. The nipple itself, however, may be tapering toward its end, if desired. Around each nipple is poured melted lead to completely fill each of the sockets *d*, and thereby securely lock each of the nipples against removal. These lead plugs by reason of the formation of the ta-

pering sockets *d* effectively prevent the displacement of the nipples.

The ring member *b* is provided with apertures *d'*, through which screws *f* may be passed into threaded engagement with the nipples *e*, so as to draw the said member tightly against the top wall of the socket *a³*. The ring member *b* is bedded in Portland cement, grafting-wax, or other suitable cement, as at *h*, so that when the screws *f* are driven home a water-tight and air-tight joint is formed between the ring and the bowl. It is evident that, if desired, I may omit the nipples *e* and screw the fastenings *f* directly into the lead plugs *i*. The ring member only partially fills the recess, and the remainder of the recess is completely filled with paraffin or similar substance.

The invention as thus described provides for a positive connection between the soil-pipe and the closet and for the concealment of the connection within the closet-base. The formation of the recess *a³* in the base of the closet permits the connection of the ring *b* to the closet-base by the screws *f* without the heads of the screws projecting below the under surface of the closet-base to interfere with the proper setting thereof and with the screws concealed below the surface of said base.

Having thus explained the nature of the invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made or all of the modes of its use, I declare that what I claim is—

1. The combination with a water-closet bowl having an outlet, and an imperforate base with a recess around the said outlet and with a plurality of sockets converging toward their mouths, of metallic plugs in the said sockets, a ring member arranged beneath the plugs in the said recess, a pipe-section connected to the said ring member and arranged to register with the said outlet, and fastening devices passed through said ring member into the said metallic plugs, said fastening devices being located above the under surface of and being concealed by the said closet-base.

2. The combination with a water-closet having an outlet and an imperforate base with an upwardly-extending recess encircling the outlet and with a plurality of undercut

sockets around the outlet, of metallic plugs in said sockets, a ring member in the said recess, and screws passed upward through said ring member into the said plugs to secure the
5 said ring member thereto.

3. The combination with a porcelain water-closet having an imperforate base with a recess extending upward therein and a pipe-section, of means for positively connecting
10 the said pipe-section to the said closet, said means being entirely concealed within said base and consisting of a ring member located within said recess, metallic plugs embedded in undercut sockets in the closet-base, and
15 fastening members passed upward through the said ring member into the said plugs.

4. The combination with a water-closet having an imperforate base with undercut sockets surrounding the outlet, of a ring
20 member, interiorly-threaded nipples externally corrugated and located entirely within said sockets, a metallic filling for locking the said nipples in the said sockets, and screws

passed through the said ring into the said nipples for rigidly connecting the said ring to
25 the base of the said closet, substantially as described.

5. The combination with a water-closet having an imperforate base with a recess and with undercut sockets around the outlet, of a
30 ring member placed in said recess, internally-threaded devices in said undercut sockets, and screws passed upward through said ring member into said devices for securing said ring member to said closet-base, said screws
35 and internally-threaded devices being concealed below the upper surface of the closet-base and being located above the bottom plane of said closet-base.

In testimony whereof I have affixed my
40 signature in presence of two witnesses.

CHARLES H. ROLLINS.

Witnesses:

M. B. MAY,
C. C. STECHER