

No. 607,835.

Patented July 26, 1898.

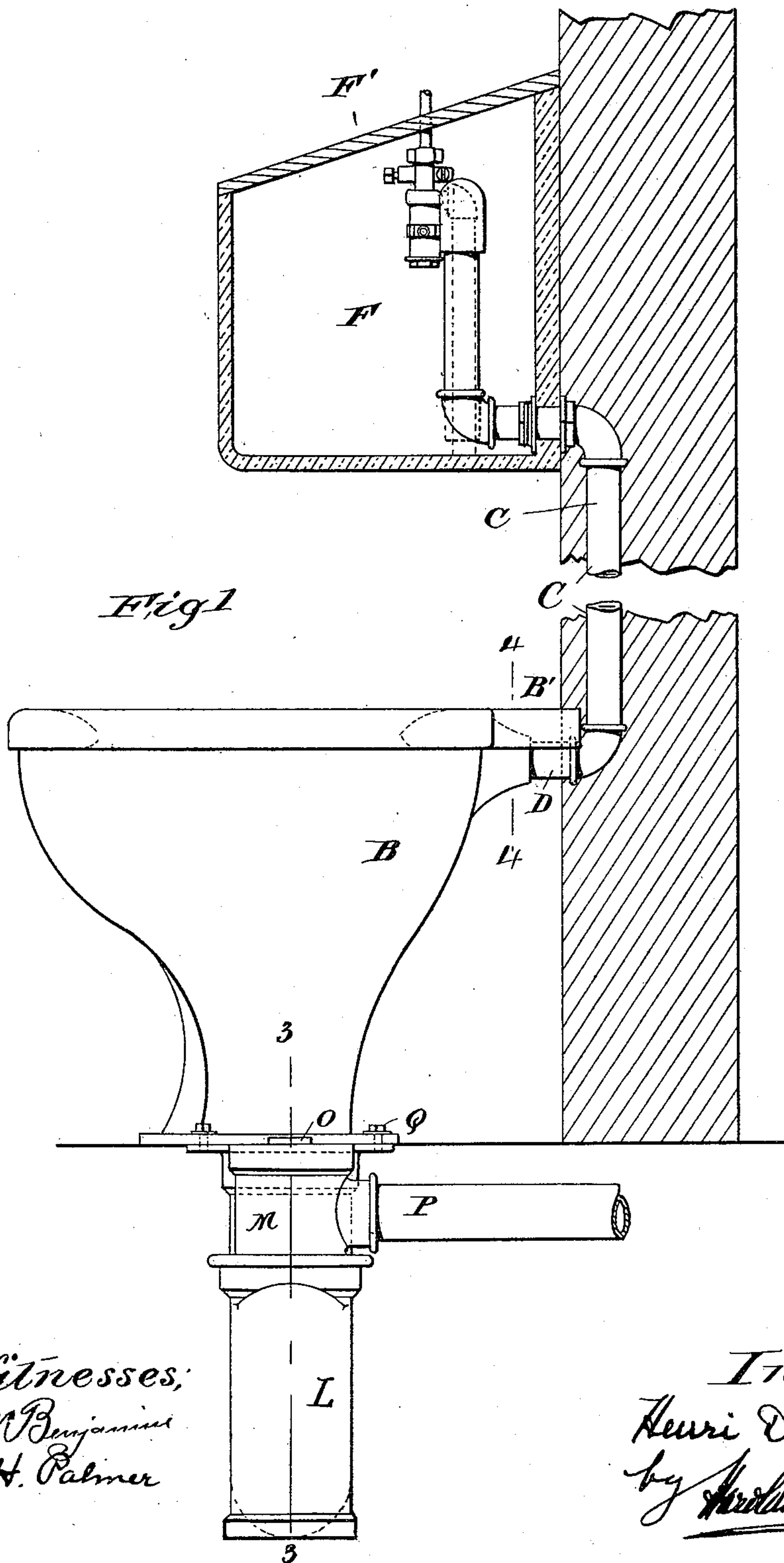
H. D. DICKINSON.

SANITARY FIXTURE FOR WATER CLOSETS, &c.

(Application filed Mar. 1, 1897.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses;
C. M. Benjamin
J. H. Palmer

Inventor;
Henri D. Dickinson
by *W. H. R. R. R.*
att'y

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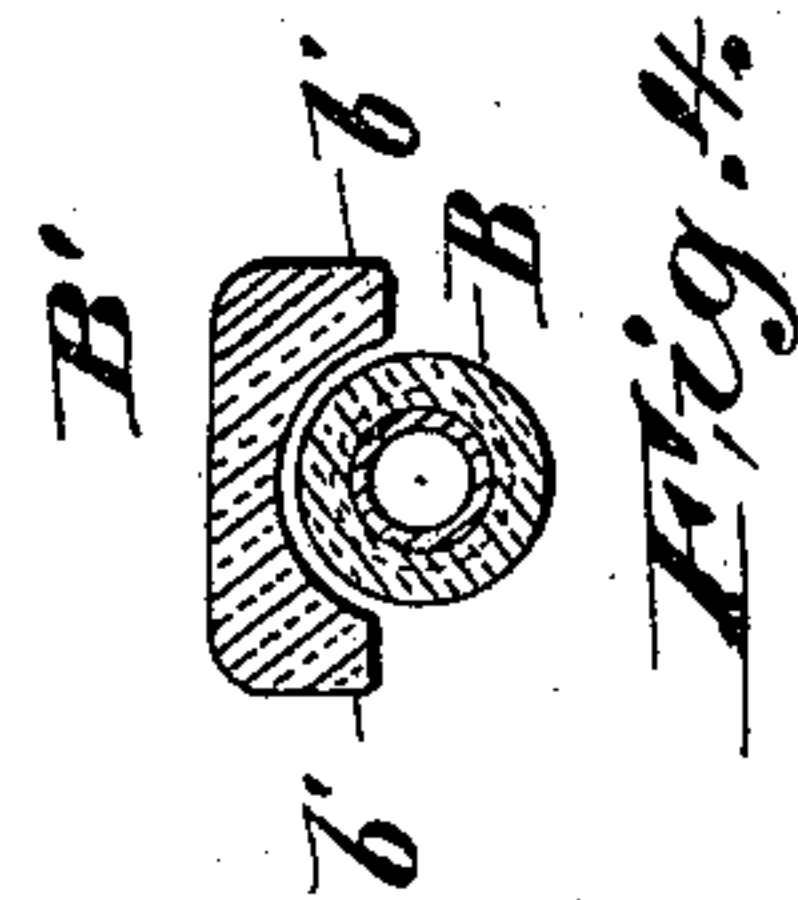
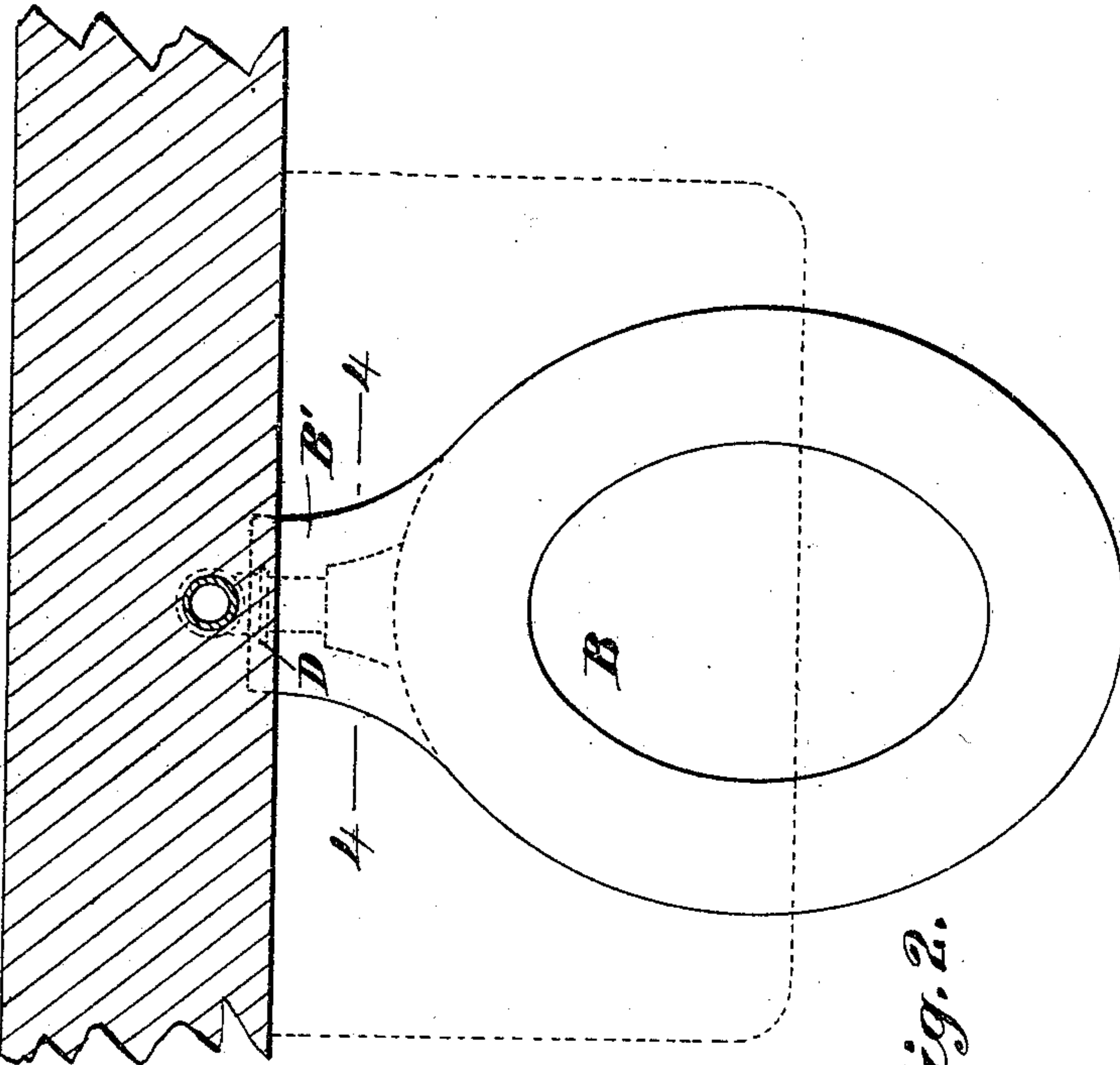
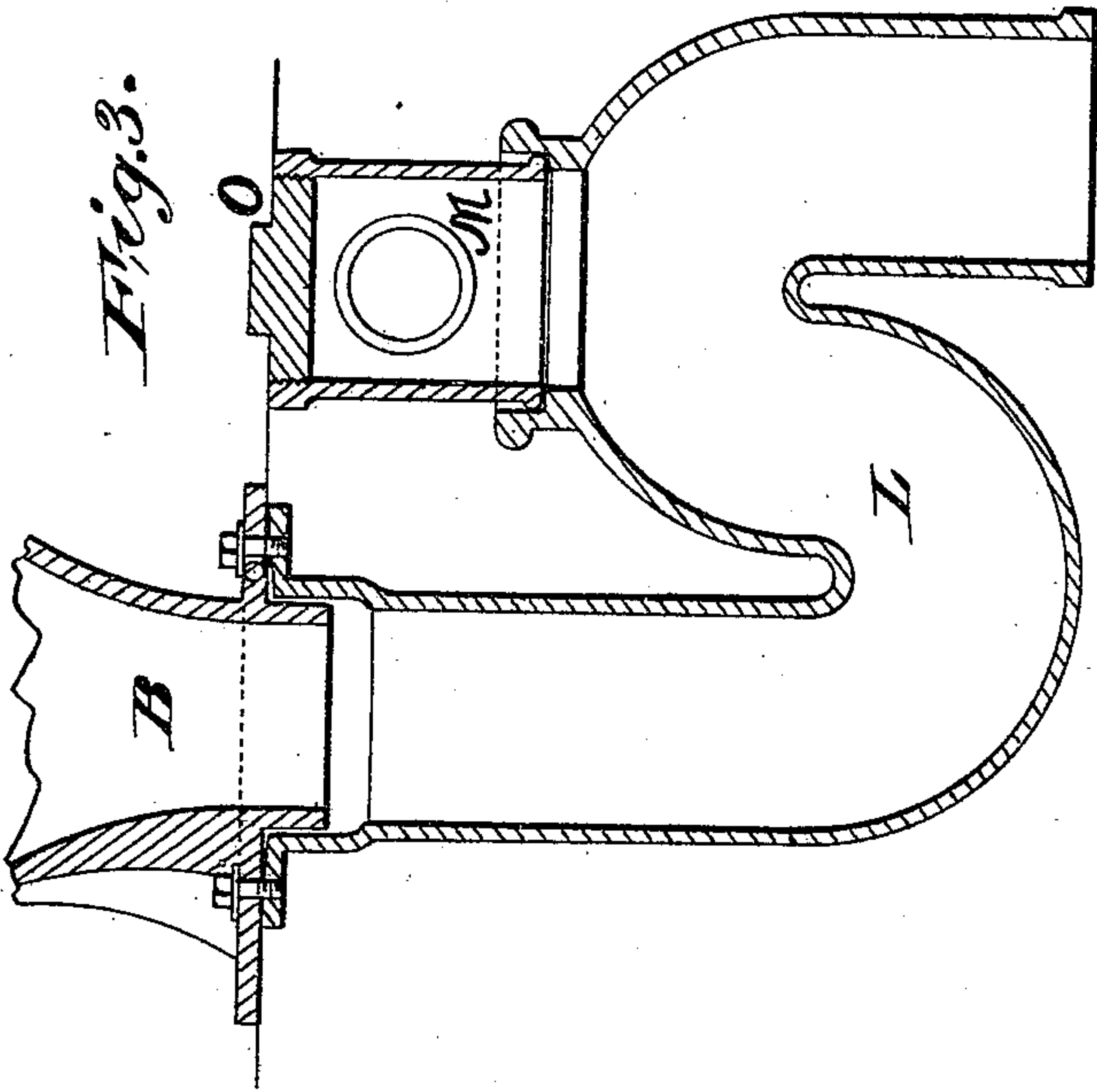
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Fig. 2.

Inventor
Henri D. Dickinson
by *Harold R. [Signature]*

UNITED STATES PATENT OFFICE.

HENRI D. DICKINSON, OF NEW YORK, N. Y., ASSIGNOR TO THE MEYER-SNIFFEN COMPANY, LIMITED, OF SAME PLACE.

SANITARY FIXTURE FOR WATER-CLOSETS, &c.

SPECIFICATION forming part of Letters Patent No. 607,835, dated July 26, 1898.

Application filed March 1, 1897. Serial No. 625,513. (No model.)

To all whom it may concern:

Be it known that I, HENRI D. DICKINSON, sanitary engineer, of the city and State of New York, have invented certain new and useful Improvements in Sanitary Fixtures for Water-Closets and the Like, of which the following is a description, referring to the accompanying drawings, which form a part of this specification.

One of the chief objects of my improvement is to meet a long-felt want in hospitals for the insane and for contagious and infectious diseases.

My improved fixture presents a surface which is at once cleanly and non-absorbent.

The fixture is so arranged as to be entirely independent of the patient, who has no hand in its operation.

The novel features which constitute my invention will be explained in the following description and pointed out in the claims.

In the drawings, Figure 1 is a side view of the complete fixture, showing the wall of the room in section. Fig. 2 is a plan view of the lower portion of Fig. 1. Fig. 3 is a vertical section in the plane 3 3 of Fig. 1. Fig. 4 is a section on the plane 4 4.

Throughout the drawings like letters of reference indicate like parts.

I will describe the most approved construction, which will fully illustrate the more general language of the claims.

The hopper B is made of vitrified earthenware devoid of all metallic parts which oxidize and aid in its destruction. The seat is preferably an integral part of the fixture, so that it cannot be torn away and so that it cannot be fouled. As the drawings indicate, the design is such that it may easily be kept clean. The flush-pipe C is buried in the wall, so as to provide a free and clear wall-surface and keep the pipe out of the reach of irresponsible hands. Indeed, all the fixture is so arranged that no part is exposed which may be torn away by the insane and used as a weapon of attack. The flush-pipe is connected with the bowl by a flexible connection D, and above this flexible connection the seat extends, as clearly shown in Figs. 1 and 2 at B', turning downward at each side and hiding as well as protecting the connection

D. The cross-section on the plane 4 4, as shown in Fig. 4, clearly explains this. The projection B' extends into the wall and adds to the security of the hopper B by supporting it against the wall, at the same time relieving the flexible connection D of a certain amount of strain. The flushing-tank F may be of iron, earthenware, or other desirable material. It entirely covers the wall at the point where the flushing-pipe C emerges. The cover of the tank F' is inclined from the wall, so as to prevent the lodgment of bodies which might be thrown upon it by the patients; also, the inclination affords a triangular space for the upper portions of the flushing and filling mechanism selected, as shown in Fig. 1, permitting the level of the water to rise almost to the outer edge of the tank, while leaving considerable clear space beneath the cover at the wall side of the tank.

At L is shown the S-trap beneath the floor provided with my improved combined vent and cleaning connection. The upper bend of the S-trap is provided with a circular opening and seat, upon which is secured the cylindrical casting or piece M, which constitutes the clean-out and vent connection. This connection M is open at the top, flush with the floor, and has a screw-cover O, which may be opened with a wrench, but is preferably not capable of being opened by hand. Extending from the side is the vent-pipe P, which may run rearward perpendicularly into the wall or which may be turned in a horizontal plane to any desired angle by turning the connection M before it is permanently secured to the cap. Thus it will be seen that the vent-pipe may be turned to any angle in the horizontal plane without disturbing the arrangement of the closet and that the drop itself, which is shown in a plane parallel with the wall, may also be set at any desired angle before being secured to the bottom of the closet by the bolts Q.

I have now explained the preferred construction of my fixture. Without attempting to enumerate its many advantages, I would, however, call attention to the form of the projecting shelf B', which by its dependent edges protects the flushing connection D from drippings and obviates danger of corro-

sion when the fixture is used as a urinal by irresponsible patients. It must not, however, be understood that my invention is in any way limited to use in asylums, as its advantages in places of public convenience and the like are equally evident.

In this application I make no claim to the coupling for the flushing-tank and flushing-pipe, as these, by the requirements of the Patent Office, must form a divisional application.

Having now fully explained my invention in one of its preferred forms, I claim, and desire to secure by these Letters Patent, the following features:

1. In combination with the hopper suitably supported above a floor-surface, the trap or discharge-passage from the said hopper, the combined clean-out and vent therefor, seated upon an opening in the said trap or passage through which opening the discharging mat-

ters do not pass and extending up substantially to the said floor-surface, the cover therefor, and the vent-pipe extending laterally from the said combined clean-out and vent, substantially as set forth.

2. In combination with a trap or discharge-passage having an opening affording access from above, a combined clean-out and vent therefor, secured to a substantially annular seat surrounding the said opening, the cover for the said combined clean-out and vent, and the vent-pipe extending from the said combined clean-out and vent at a point between the said cover and the said seat, substantially as set forth.

In testimony whereof I have hereunto set my hand at the city of New York aforesaid.

HENRI D. DICKINSON.

Witnesses:

HENRY S. GREENBURGH,

H. BUDLONG.