F. GROSJEAN.

Sealing Cover for Bowls of Wash-Stands, Water-Closets, &c.

No. 204,318. Patented May 28, 1878.

Fig. 1.

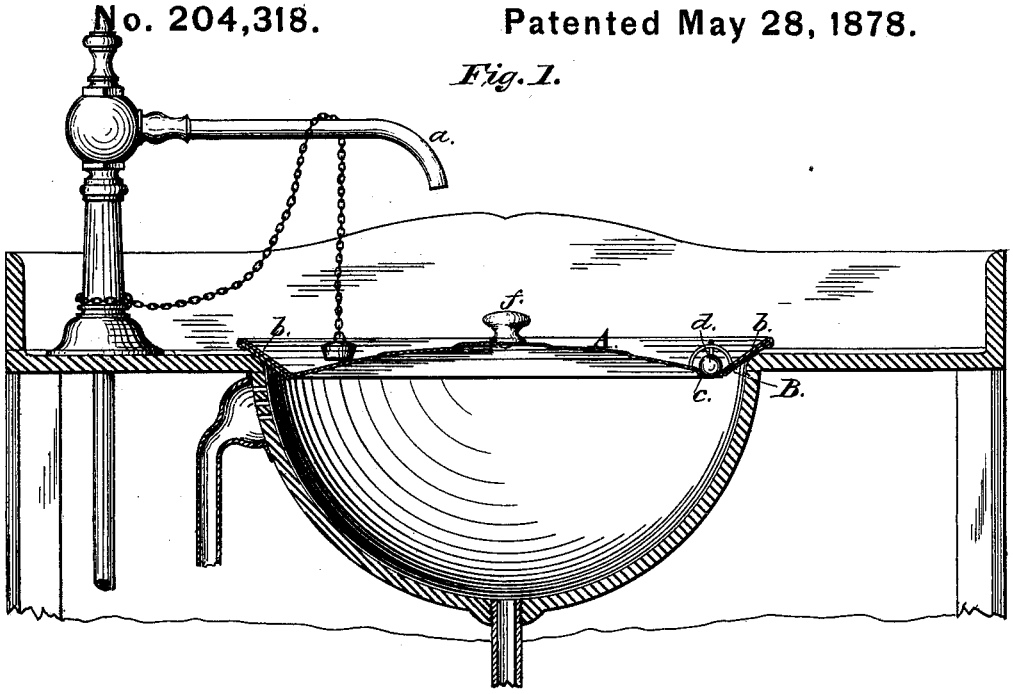
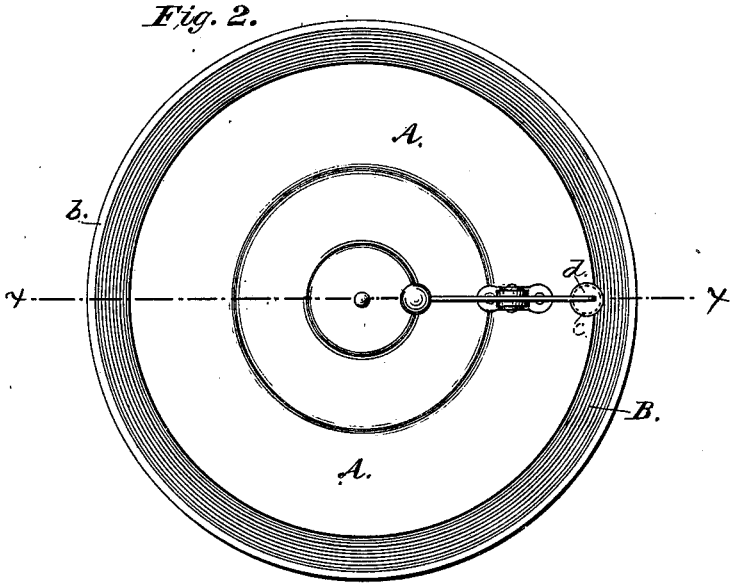


Fig. 2.



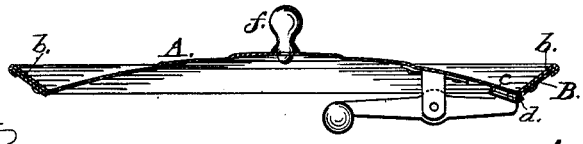


Fig. 3.

Witnesses:

T. C. Brecht.

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Attorny.

UNITED STATES PATENT OFFICE.

FLORIAN GROSJEAN, OF NEW YORK, N. Y., ASSIGNOR TO LALANCE & GROSJEAN MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN SEALING-COVERS FOR BOWLS OF WASH-STANDS, WATER-CLOSETS, &c.

Specification forming part of Letters Patent No. **204,318**, dated May 28, 1878; application filed May 6, 1878.

To all whom it may concern:

Be it known that I, FLORIAN GROSJEAN, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sealing-Cover for Bowls of Stationary Wash-Stands, Water-Closets, &c., of which the following is a specification:

The invention is a removable sealing-cover for the bowls of stationary wash-stands, water-closets, sinks, &c., and is designed to prevent the escape of noisome and deleterious gases from the waste-pipe into the chambers. In its application it is new as an article of manufacture; but in such application a certain construction or its modifications is necessary to its proper effect.

I preferably make the article in the form of a convex circular plate, with an upset bordering rim to produce a gutter for carrying the drip from the water-supply, and provide an escape-opening for the collected drip, which is protected by an automatically-closing valve. The under side of the bordering rim, or that side which comes in seating contact with the edge of the marble bowl, is faced with a gasket of suitable material, preferably rubber. The whole plate sealing-cover and its joint bordering-rim are in one piece, made of tin, galvanized-iron, or other suitable material, and coated with a vitreous enamel, or left uncoated, or painted, as may be desired. A central knob serves as a lifter.

When the sealing-cap is applied, the stopper-chain, with its stopper, is withdrawn, and hung upon the goose-neck supply, or otherwise placed, thus permitting the sealing-cover to be perfect in its function, absolutely cutting off all escape of gases.

The cover is applied at the top edge of the bowl, thereby overtopping the bowl overflow-grating and avoiding that source of gas-escape, which is otherwise left free—the bowl-stopper having no control over it—and even filling the bowl with water, being incapable of acting as a water-seal.

The particular construction and its modification will be now described with reference to the drawings, in which—

Figure 1 is a sectional view of a wash-stand, wash-bowl, and of my improved sealing-cover placed in proper position. Fig. 2 is a view of the under side of the sealing-cover, same being provided with a drip-opening protected by a weighted valve. Fig. 3 is a section of the sealing-cover taken on the line *x x* of Fig. 2.

The sealing-cover or circular plate A is made convex, for the purpose of shedding whatever water may drip from the wash-stand supply-cock *a;* and it is provided with the upset rim or flange *b*, in order to supply a gutter, which gutter empties through a small escape-opening, *c*, into the bowl. Gas and foul odors are prevented from issuing through this opening *c* by a ball-valve, *d*, arranged in a housing secured upon the said cover; but here it may be mentioned that any approved automatically-closing valve might be used as well—such, for instance, as a pivoted weighted valve, illustrated in Figs. 2 and 3 of the drawings.

Most important among the elements of the construction of this sealing-cover is the gasket B, which faces the under side of the rim *b*, and acts, when the cover is seated over the bowl, as a perfectly gas and air tight seal. I prefer to use rubber for this purpose, since that material seeks to fill all possible depressions in surfaces upon which it is placed. The rubber is suitably secured to the rim by rivets or otherwise. The cover is seated with its gasketed rim resting on and tightly pressing the edges of the ordinary marble bowl, or of the top slab of a stationary wash-stand. A knob, *f*, in the center serves as a lifter.

The tin or other material of the circular plate and its rim I treat or prepare with a coating of vitreous enamel, since otherwise in practical use the painting would peel, or, if an ordinary tin surface, it would rust. By using the vitreous enamel I am enabled to produce an article which can be always ornamental in appearance and not repugnant to fine tastes in bed-chamber articles.

The preliminary paragraphs of this specification fully set forth the nature, object, and operation of the invention as a whole in its different parts.

To adapt my sealing-cover for use with water-closet seats, it is only necessary to change its circular form to one corresponding with the

seat-hole. The opening and automatic closing valve is unnecessary in such case, and should be omitted, as there is no drip. To adapt it to pantry-sinks, and the like, the form should be rectangular, to conform to the sinks; but the opening and valve should, in this case, be retained to carry off the drip.

What I claim is—

1. A metallic cover for the bowls of stationary wash-stands, water-closets, sinks, and similar articles, coated upon its entire surface with a vitreous enamel, and provided on its under side with an attached flexible sealing-gasket, substantially as described.

2. As a new article of manufacture and trade, a sealing-cover for the bowls of stationary wash-stands, water-closets, sinks, &c., consisting of a convex plate, rimmed and having an under sealing-gasket and a drip-escape protected by an automatic-closing valve.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

F. GROSJEAN.

Witnesses:
E. W. MARTIN,
J. C. MILLIGAN.