(No Model.)

J. J. O'DONNELL.

CLAMP FOR STATIONARY BASINS.

No. 464,888. Patented Dec. 8, 1891.

Fig. 1.
on line 1-1

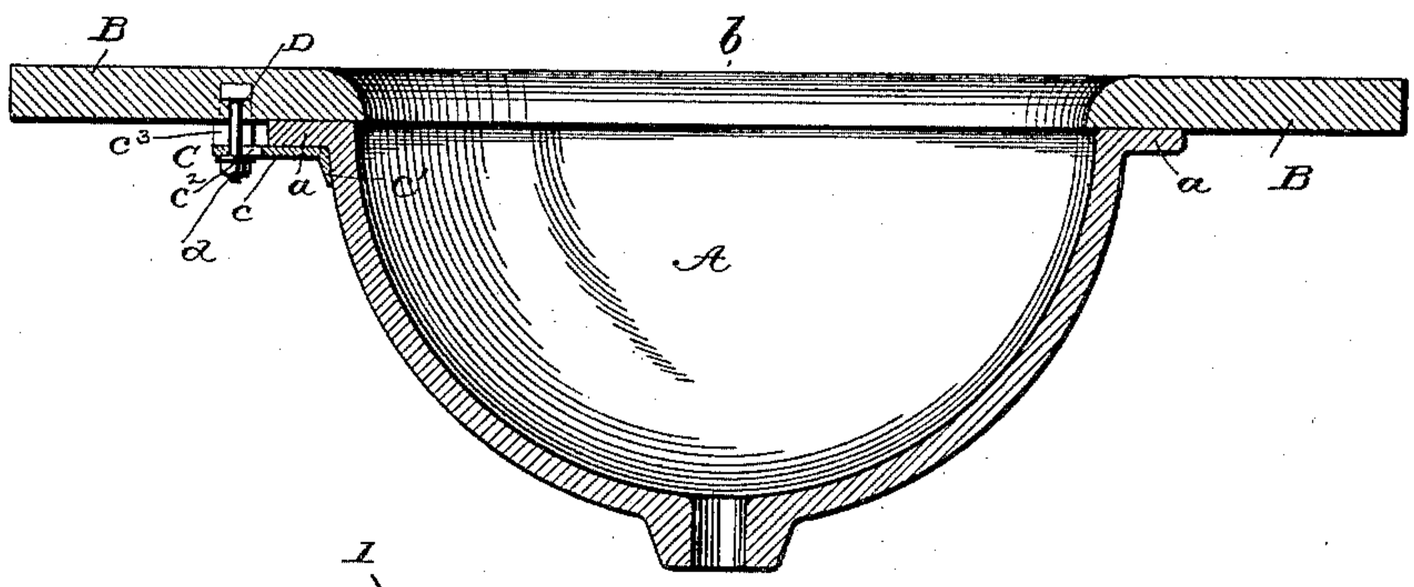

Fig. 2.

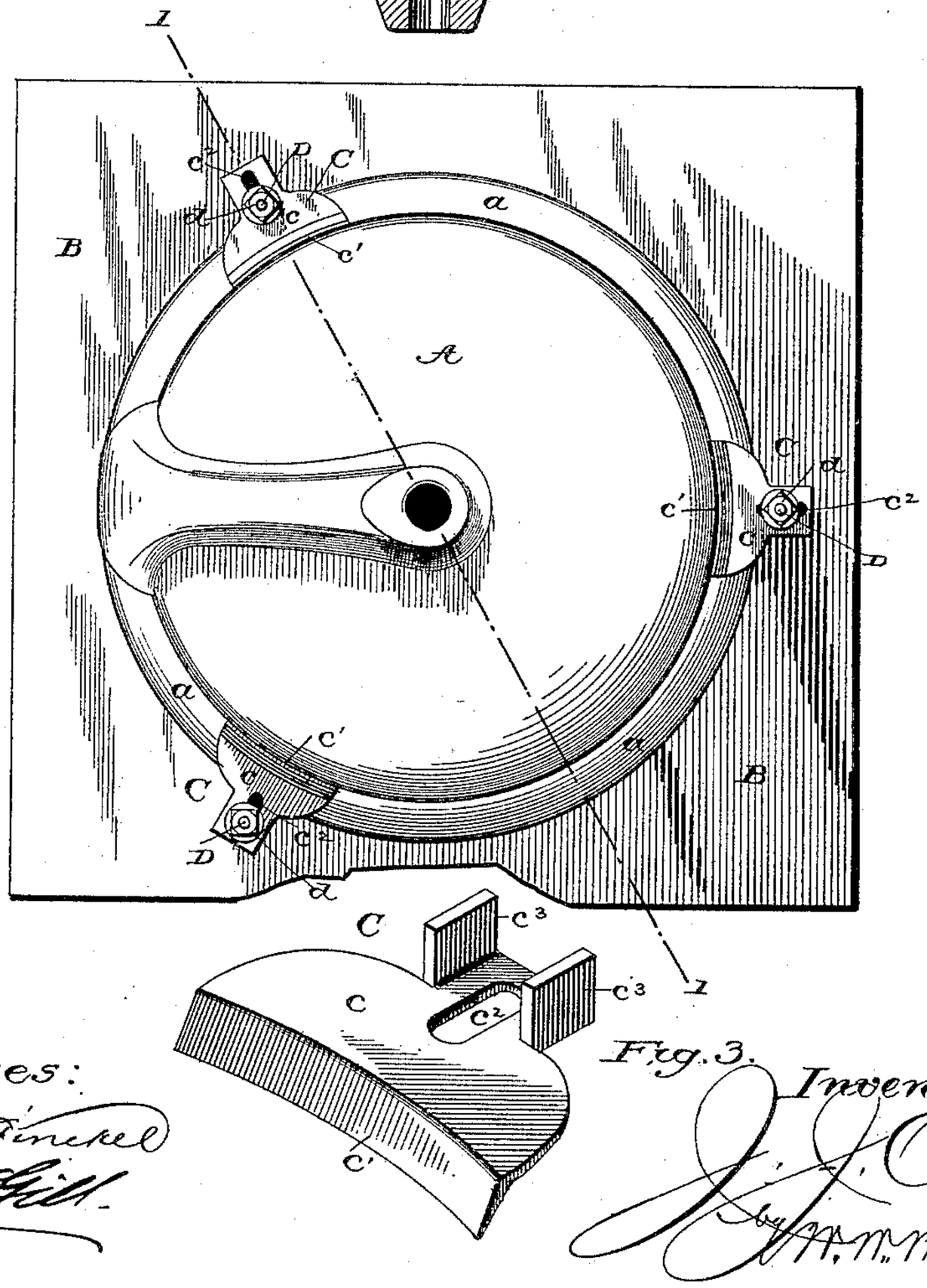

Fig. 3.

Witnesses:
Geo. M. Tincker
[illegible]

Inventor:
J. J. O'Donnell,
by W. M. Mortimer,
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UNITED STATES PATENT OFFICE.

JAMES J. O'DONNELL, OF DANVILLE, VIRGINIA, ASSIGNOR OF ONE-HALF TO WILLIAM C. MARSHALL, OF SAME PLACE.

CLAMP FOR STATIONARY BASINS.

SPECIFICATION forming part of Letters Patent No. 464,888, dated December 8, 1891.

Application filed April 14, 1890. Serial No. 347,873. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. O'DONNELL, a citizen of the United States, residing at Danville, in the county of Pittsylvania and State of Virginia, have invented certain new and useful Improvements in Clamps for Stationary Basins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to clamps for securing stationary basins.

The object is to provide a simple and inexpensive clamp adjustable and applicable to all styles of stationary basins, which will insure rigidity to the basin when set, and effectually prevent side movement.

The invention consists in a clamp comprising a flat portion or plate having a depending curved flange adapted to bear against and conform to the sides of the basin, a slot for the passage of the securing-bolt, and upwardly-turned lugs or projections upon opposite sides of the slot to bear against the under surface of the slab.

In the accompanying drawings, Figure 1 represents a vertical sectional view of a stationary basin with my improved clamp applied, the view being taken on the line 1 1 of Fig. 2. Fig. 2 represents a bottom plan view of the same. Fig. 3 represents a perspective view of the clamp detached.

Referring to the drawings, A represents a basin of that class known in the trade as "stationary basins," and B the supporting-slab, to which it is secured, beneath the central opening *b*. Both the basin and the slab are of the ordinary construction and form no part of the present invention.

C represents the clamp, formed of metal and preferably cast or stamped from a single flat piece. This clamp C consists of a flat horizontal body portion or plate *c*, the edges of which curve outwardly to provide an enlarged inner end or bearing-surface, from which extends a depending flange *c'*, preferably curved laterally, as shown, and at the same time extending downward and inward toward the center of the bottom of the basin, thus forming a concave surface to conform to the shape of the side of the basin. The opposite or outer end of this clamp is provided with an integral extension, and has an elongated opening or slot c^2 to accommodate the passage of the bolt D, which is seated within and depends from the slab, as usual. Upon each side of this slot c^2 is provided an upwardly-extending lug or projection c^3, preferably rectangular in shape, struck up from the metal and adapted to bear against the under surface of the slab upon opposite sides of the bolt. This is an important feature, since the lugs, being of equal height, afford an even surface well adapted to bear against the under surface of the slab, insuring steadiness and rigidity when the nut *d* is brought to bear upon its under side. The space between the lugs c^3 and the main body of the clamp when in position is occupied by the flange *a* of the basin.

In securing the basin to the slab it is particularly desirable to prevent pressure or force being applied to the rim of the bowl, my experience having shown this to be the principal cause of fracture of the bowl-rim, and consequent dislodgment of the bowl itself. I obviate this difficulty by applying the pressure to the clamp alone, the lugs supporting it, the bowl-rim resting upon the flange of the clamp. The distance between the flange and the slab—that is, the space to accommodate the rim—may be regulated to suit the thickness of the rim by simply spreading the lugs apart, while the slot in the clamp admits of its adjustment upon the slab that it may be moved nearer to or farther from the edge of the opening to accommodate basins of various widths or of different make without the necessity of removing and resetting the bolts.

The clamp is simple in construction, easily and quickly applied, and effective and reliable in operation.

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

1. A clamp for basins, comprising the body or plate adapted to support the edge of a basin and having a bolt-opening, and the lugs standing from the body or plate and arranged upon

opposite sides of the bolt-opening to prevent the pressure caused by the bolt being exerted upon the basin, substantially as described.

2. A clamp for basins, comprising the body or plate provided with the extention and having the elongated bolt-opening, and the lugs arranged on opposite sides of the opening to prevent the pressure caused by the bolt being exerted on the basin, substantially as described.

3. A clamp for basins, comprising the body or plate having the depending curved flange at its inner edge and provided with the extension at its outer edge and having the elongated bolt-opening, and the lugs arranged at opposite edges of the extension and on opposite sides of the bolt-opening, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES J. O'DONNELL.

Witnesses:
W. J. FOWLKES,
W. H. WHITE.