

(No Model.)

J. W. BIDDLE.
BASIN CLAMP.

No. 524,477.

Patented Aug. 14, 1894.

Fig. 1.

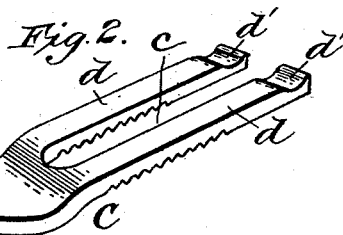
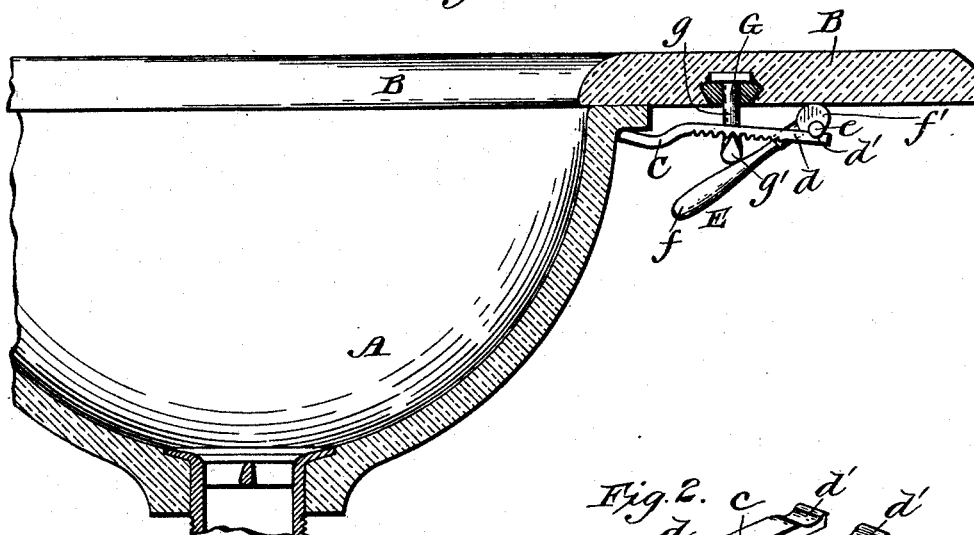


Fig. 3.

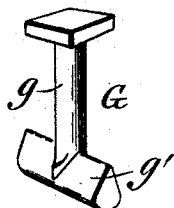
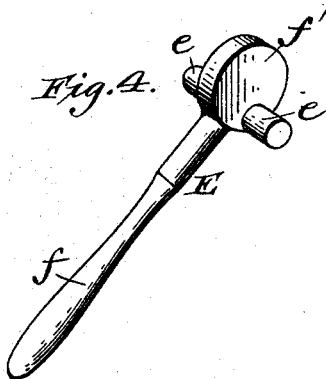


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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BASIN-CLAMP.

SPECIFICATION forming part of Letters Patent No. 524,477, dated August 14, 1894.

Application filed January 9, 1894. Serial No. 496,225. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BIDDLE, a citizen of the United States, residing at Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Basin-Clamps; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in basin clamps for clamping washbasins or bowls to marble slabs and other suitable supports, and it has for its object the provision of a neat, compact and effective clamping device that can be quickly clamped to the marble slab and released therefrom without the aid of any tool or instrument, and which can be adjusted to fit any bowl without the trouble and inconvenience that attend the adjusting in the clamps now in use, and one in which the adjusting and clamping are done at one and the same time.

The invention further consists in the novel construction and arrangement of the parts hereinafter described, illustrated in the drawings and more particularly pointed out in the claims hereunto appended.

In the drawings, Figure 1 represents my clamp applied to a bowl and holding the same in position to the slab. Figs. 2, 3 and 4 are details of the device.

Similar letters of reference indicate corresponding parts in all the figures.

A indicates the bowl, and B the slab to which it is held.

C is a clamping piece or plate having one end curved or bent to form a seat for the rib or flared edge of the bowl. The straight end or portion of this clamping plate is bifurcated as shown at *c* and has the arms *d*, *d*, formed thereby, as shown. In the outer or free ends of these arms are journal bearings or seats *d'*, *d'*, into which sets and works the journal *e* of a cam-lever E, as shown in Fig. 1. This cam-lever is composed of a handle *f*, and a preferably, circular-shape head or end *f'*. This head *f'* is provided with a journal, or bearing

lugs *e*, *e*, which rest in seats in the free ends of the arms, *d*, *d*, as shown. In this device I propose to cast this whole cam-lever integral, but if desired it may be made in separate parts and secured together, as is evident.

G is the supporting or holding piece by means of which the plate or piece C is held in position for clamping, and it consists of a rod *g* and a wedge-shape fulcrum piece *g'* secured on the lower end of the rod *g*, wedge up. The upper end of the rod *g* is provided with a head for the purpose of holding it more securely in the marble slab, as is evident. The under side of the plate C is provided with teeth or corrugations into which the knife-edge of the fulcrum *g'* rests, and by means of which the device is reliably adjusted to secure different size bowls to the marble slab.

To use this device the support or holding piece G is secured in the slab in any suitable manner, and the plate C set upon said support, the bifurcated arms or portions passing on each side of the rod *g*, when the teeth or serrations on the under side thereof will rest upon the knife-edge of the fulcrum, the edge of the bowl is then set over and upon the curved portion of the plate, and the cam-lever placed in its bearings in the free end thereof, as shown, and is turned so as to bring the cam face in contact with the slab, to secure the bowl to the said slab as is apparent.

The device is adjusted to accommodate different size bowls by moving the plate back or forth upon the fulcrum, as is evident.

Having described my invention, what I claim is—

1. The combination with the bowl and slab, of a support depending from the slab and provided with knife-edge fulcrum pieces, a clamping plate slotted longitudinally for a part of its length and having an upturned end, the ends of the bifurcated portions having seats formed therein and a cam-lever seated therein, the cam portion or head being adapted to work through the slot in the clamping plate and bear against the under side of the slab to bind the upturned end of plate against the bowl, as set forth and described.

2. The combination with the plate C having

one end curved or bent and the straight portion slotted as at *c* providing arms *d*, *d'*, which arms have seats *d'*, *d'*, at their ends, of the cam-lever *E* having journals *e*, *e*, a handle *f* and head *f'* and the supporting piece *G* comprising the rod *g* and the fulcrum piece *g'* upon which the clamping plate is supported, as set forth.

3. The combination with a bowl and slab, 10 of a basin clamp consisting of a plate curved or bent at one end and provided with seats or

bearings at the other end, a support *G* for holding said plate *C*, and a lever *F* having a head eccentrically mounted in seats or bearings in the end of said plate *C*, as set forth. 15
In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. BIDDLE.

Witnesses:

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J. D. BEMIS.