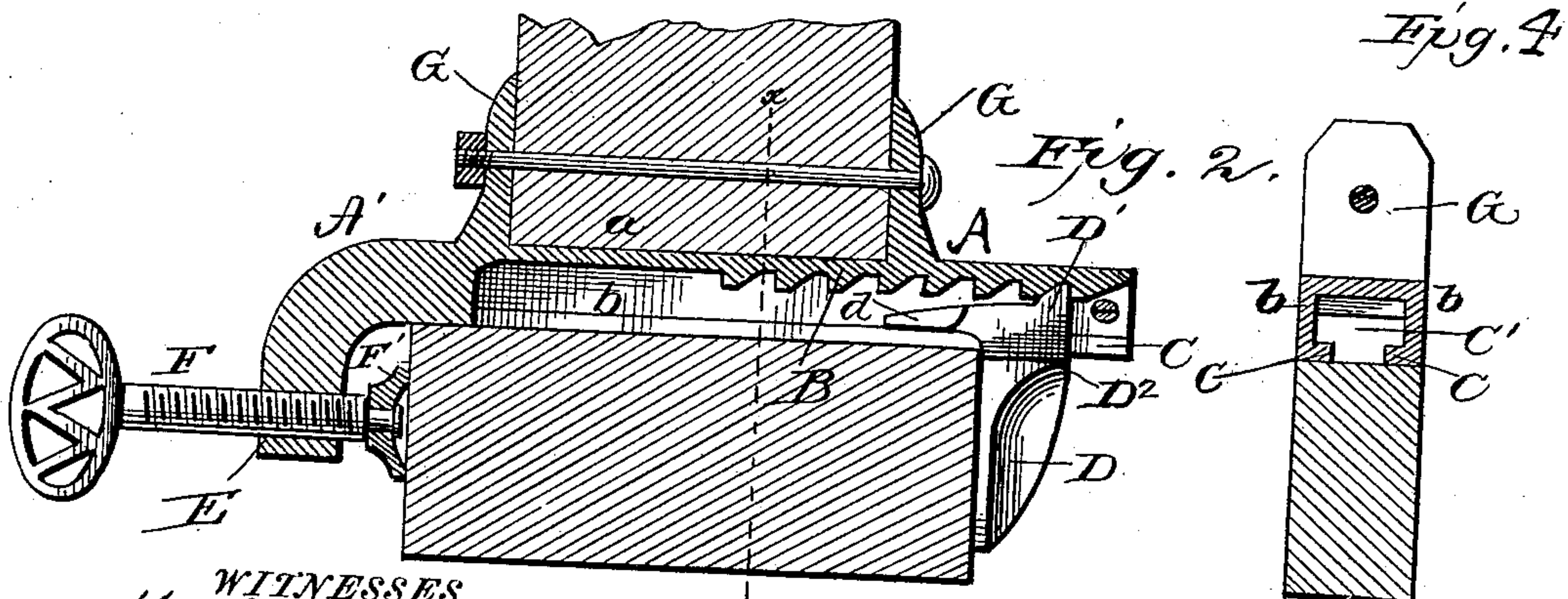
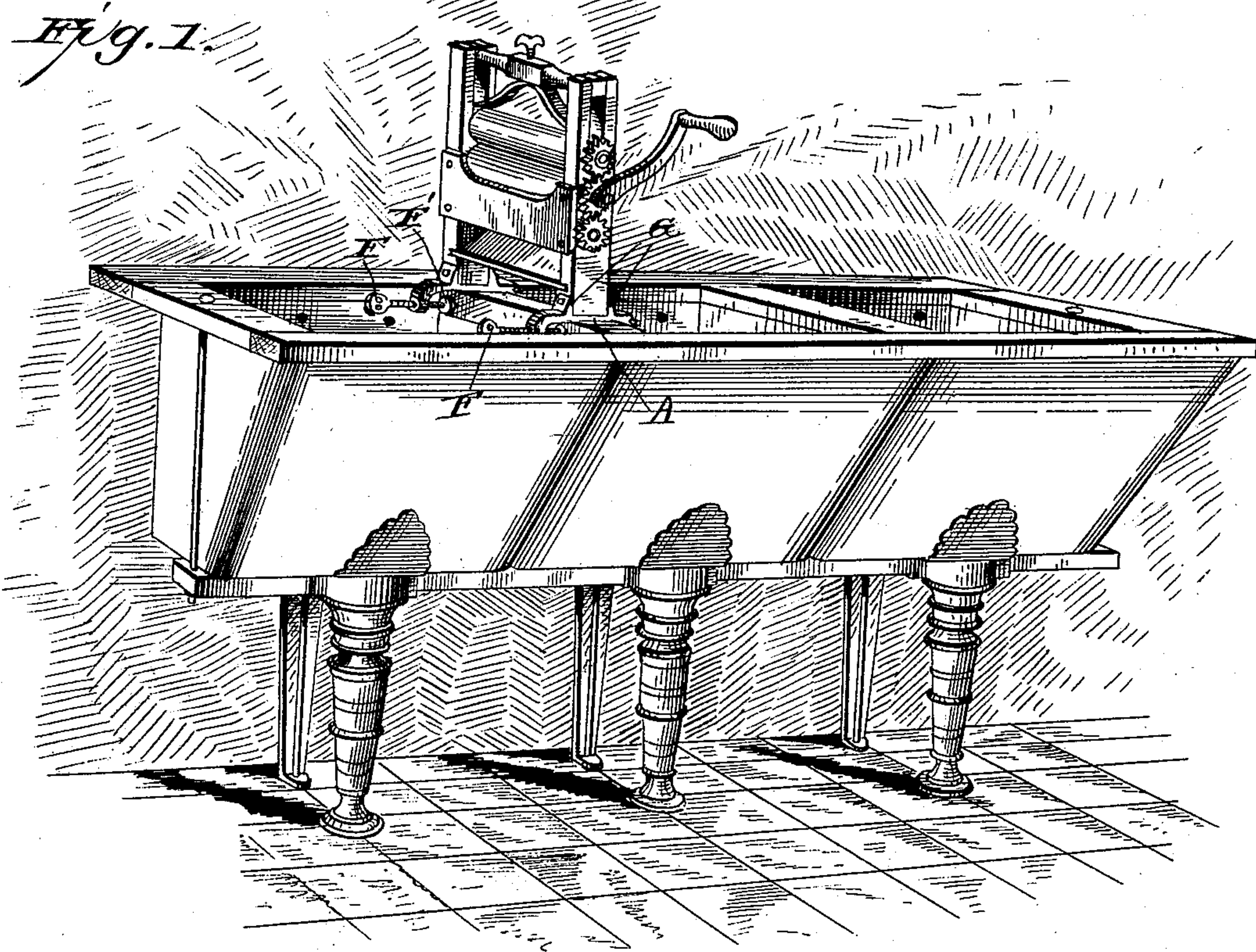
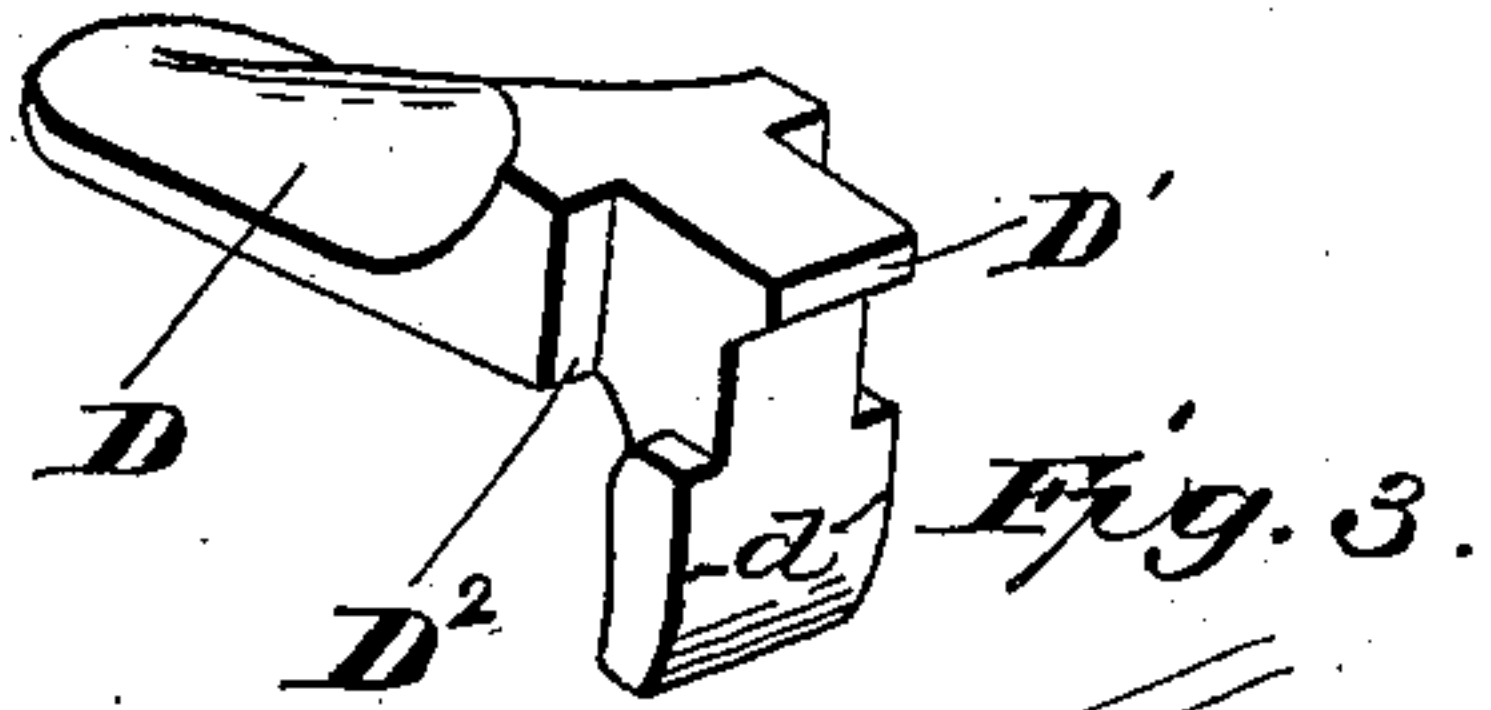


(No Model.)

H. J. WHITE.
WRINGER CLAMP.

No. 435,375.

Patented Aug. 26, 1890.



WITNESSES
H. L. Curran.
H. A. Smith.

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UNITED STATES PATENT OFFICE.

HENRY J. WHITE, OF AUBURN, NEW YORK, ASSIGNOR TO THE EMPIRE WRINGER COMPANY, OF SAME PLACE.

WRINGER-CLAMP.

SPECIFICATION forming part of Letters Patent No. 435,375, dated August 26, 1890.

Application filed May 5, 1890. Serial No. 350,644. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. WHITE, of Auburn, county of Cayuga, State of New York, have invented new and useful Improvements in Wringer-Clamps, of which the following is a full and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improved clamps for securing clothes-wringers to wash-tubs, and is particularly adapted for connecting the wringers to the side or partition wall of stationary and porcelain wash-tubs.

My invention consists in a novel construction of a channeled clamping-bar having ribs projecting inward from the side flange, in forming in the channel on the bottom face a series of notched teeth, in mounting in the channel a clamping-jaw adapted to move through the channel and be held at any desired point of adjustment by the teeth of the ratchet, and in providing the bar with an arm in which is mounted clamping-screw.

My invention further consists in certain novel features in the construction and arrangement of parts, all as hereinafter explained.

In the accompanying drawings, Figure 1 is a perspective view of a stationary wash-tub, showing a clothes-wringer attached thereto by my improved clamp. Fig. 2 is a longitudinal section of part of the same, showing the construction of the clamp. Fig. 3 is a perspective view of the movable clamping-jaw; and Fig. 4, a section on a line xx , Fig. 2.

The clamping-bar A is made in elongated form, and has at one end an arm A' arranged substantially at right angles to the main bar A. The bar A is made in channel-iron form, having the flat portion a , side flanges b , and the inwardly-projecting ribs c , forming the channel c' between their inner edges, and which channel extends from a point near the arm A' to the opposite end and opening outward at this point. Upon the inner face of the flat portion a , for any desired distance of its length, are formed ratchet-teeth B, hereinafter referred to.

The arm A' has formed in its lower end a screw-threaded bearing E, in which is mounted a screw-bolt F, having loosely mounted on its

inner end a clamping head or button F', between which and the jaw D the wall or partition of the tub is clamped. The head may be made in disk form, as shown in Fig. 1, or in any preferred way. A clamping-jaw D, made in angle form, is provided at the point of angle with a projecting tooth D', and said jaw is made of about a width corresponding to the width of the bar A. The jaw D is cut away on both sides at its point of angle, leaving the central portion of a width to fit between the ribs c , forming shoulder D², to rest upon the outer face of the projecting ribs c , with the clamping-face of the jaw at right angles to the face of said ribs, and with the opposite arm to lie parallel with the same, and which opposite arm on both its side faces near the end is provided with outwardly-extending lugs or projections d to engage the inner faces of the ribs, as hereinafter referred to. Cast with and projecting from the outer or upper face of the bar A are lugs or ears G, arranged in such relation to each other as to receive the standard of the wringer between them, and which may be connected thereto in any preferred way.

By the construction of clamping-bar described it will be seen that a flat bearing-surface is provided, against which the article to be clamped may rest, and that by the construction of the movable or adjustable jaw described not only is the jaw held by the engagement of the tooth D' with the teeth of the rack, but also held by the engagement of the shoulders with the outer face of the ribs, and also by the engagement of the outwardly-extending lugs d with the inner face of said ribs.

If found desirable, instead of mounting the screw in the fixed head, the same may be mounted in the movable and adjustable jaw, but the action is substantially the same under either arrangement.

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

1. A clamp having the bar made in channel-iron form, with ribs projecting from the side flanges and with ratchet-teeth formed on the inner face of the bar and provided with an arm having a clamping-screw mounted

therein, and with lugs or ears on its outer face for connecting the same to a wringer, in combination with a clamping-bar adapted to move in the channel, provided with a tooth to
5 engage the teeth of the ratchet, substantially as set forth.

2. A clamp having the bar made in channel form, with ribs projecting inward from the side flanges and having ratchet-teeth formed
10 in the inner face of the bar, and a clamping-screw connected to the bar, in combination

with an adjustable clamping-jaw made in angle form, having its side faces notched to receive the ribs, and means for connecting the same to a wringer, substantially as set forth. 15

In testimony whereof I have hereunto set my hand this 30th day of April, A. D. 1890.

HENRY J. WHITE.

Witnesses:

G. B. LONGSTREET,
J. F. HEMENWAY.