

(No Model.)

J. F. WALTER.

MOP WRINGER.

No. 297,040.

Patented Apr. 15, 1884.

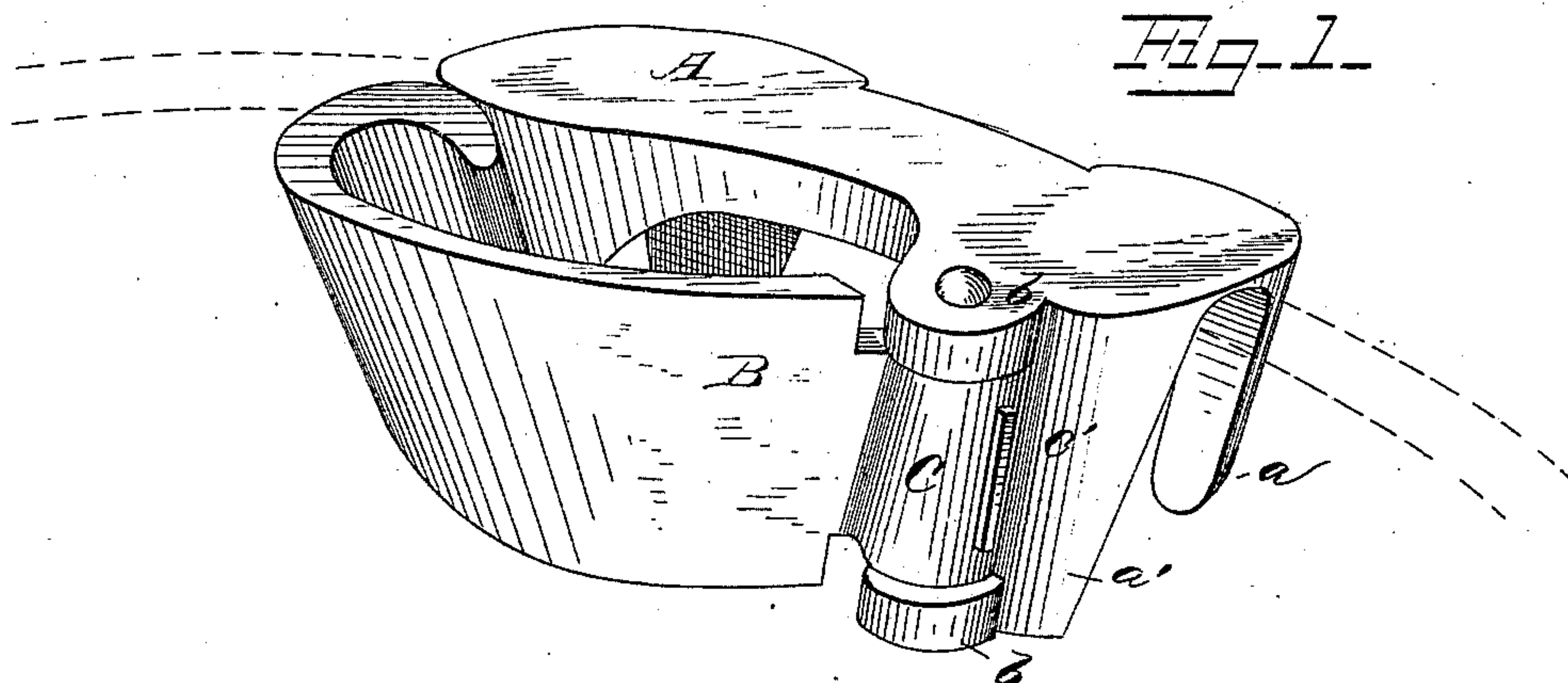


Fig. 2.

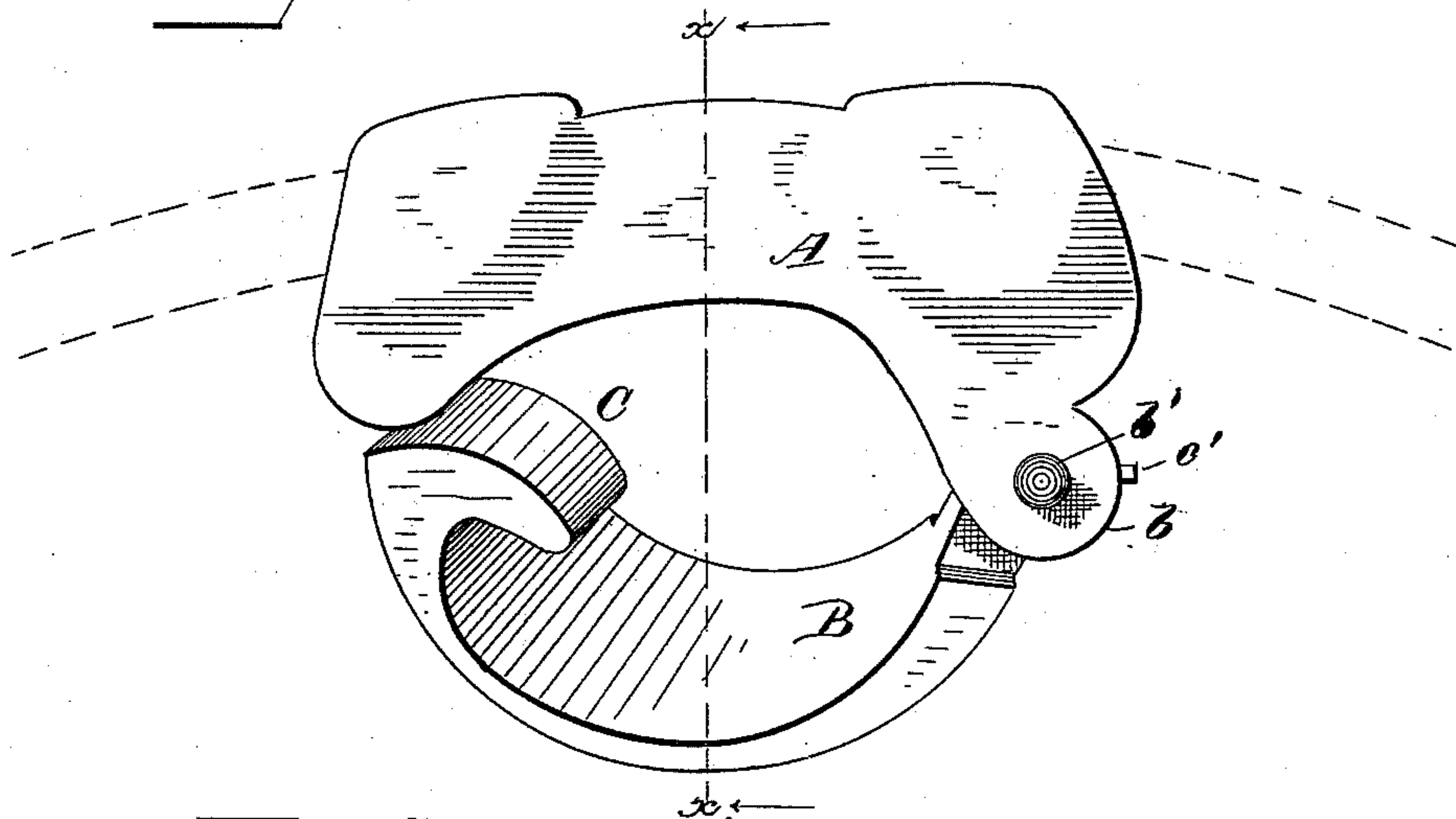
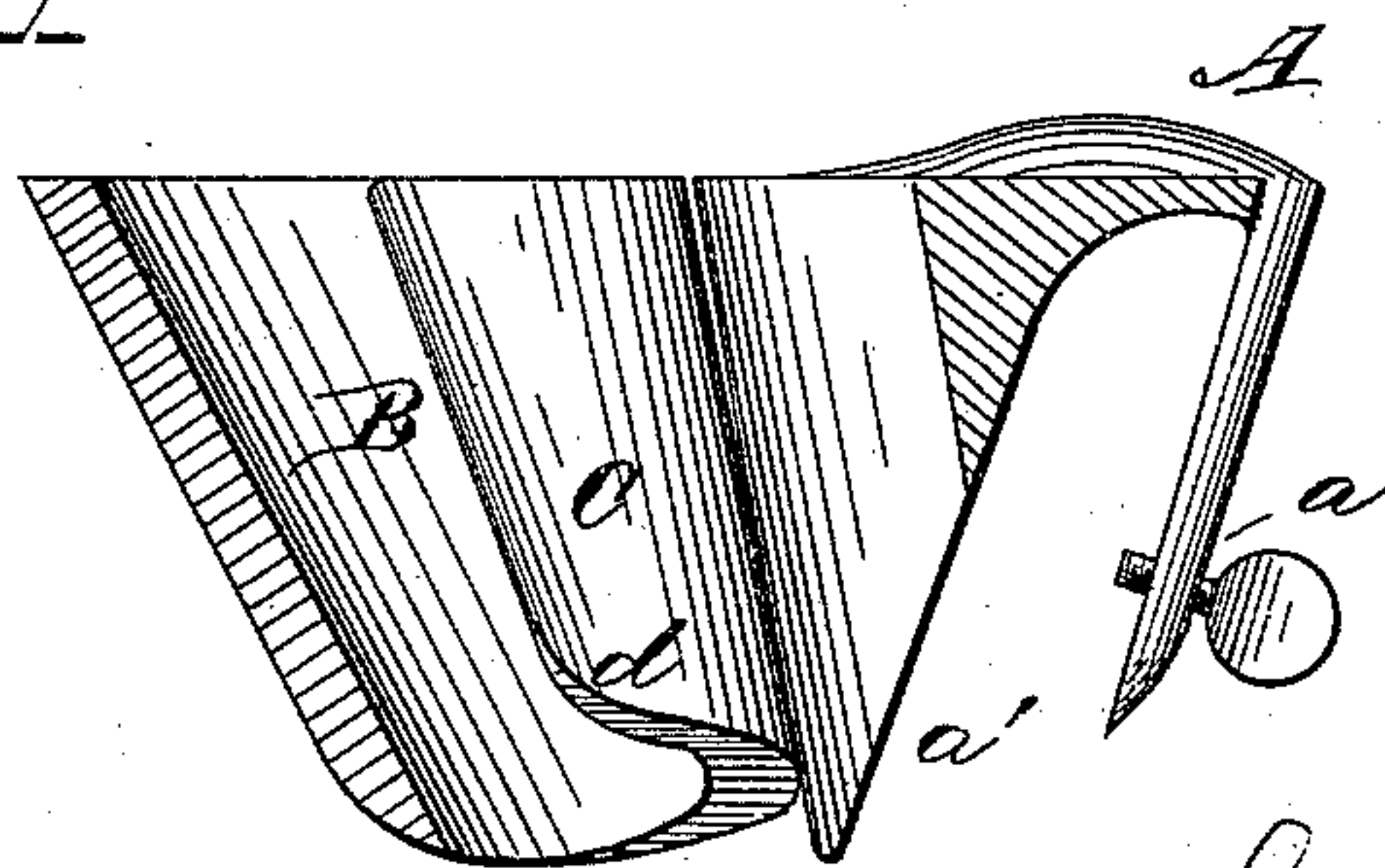
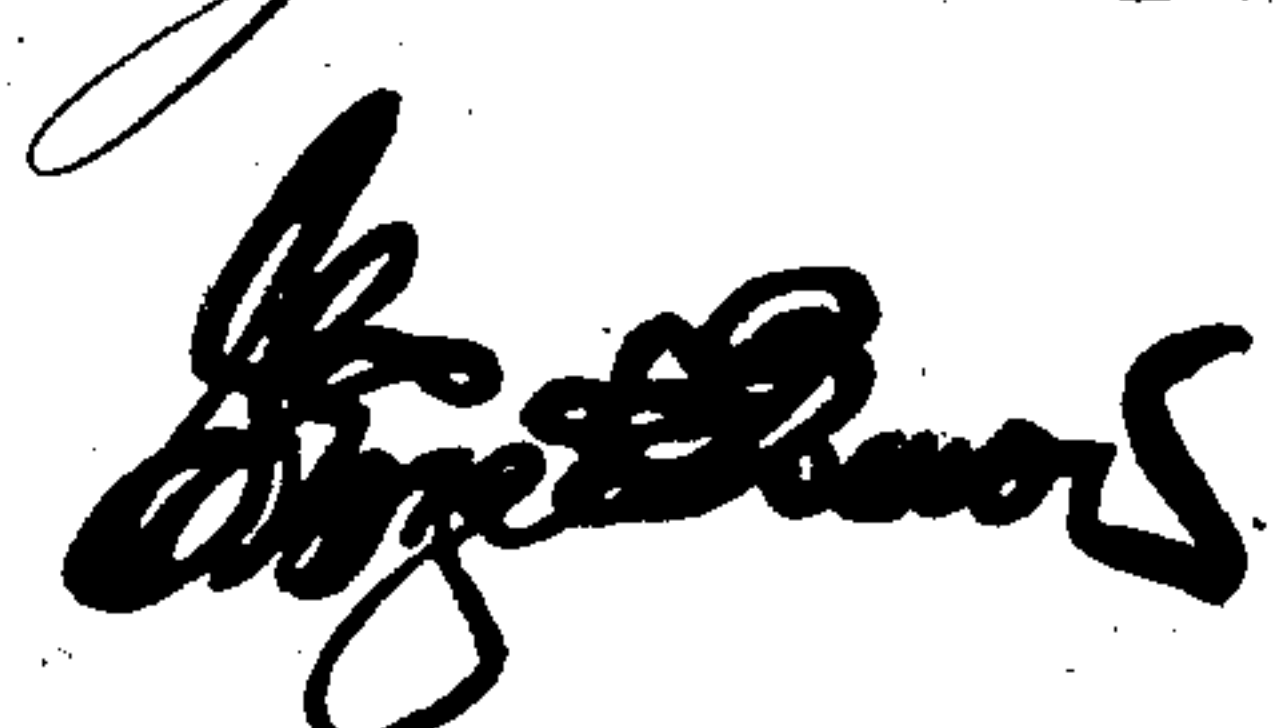


Fig. 3.



WITNESSES
F. L. Ourand
M. Johnson

INVENTOR
James F. Walter

Attorney

UNITED STATES PATENT OFFICE.

JAMES F. WALTER, OF WATERLOO, IOWA, ASSIGNOR TO A. D. ELLIS, OF
SAME PLACE.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 297,040, dated April 15, 1884.

Application filed October 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. WALTER, a citizen of the United States of America, residing at Waterloo, in the county of Black Hawk and State of Iowa, have invented certain new and useful Improvements in Mop-Wringers; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in mop-wringers, and it belongs to that class which are designed to be used in connection with a pail, tub, sink, or other receptacle for receiving the suds or water; and it consists in the construction and combination of the parts, as will be hereinafter set forth, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view; Fig. 2, a plan view; and Fig. 3 a sectional view taken through the line *xx* of Fig. 2.

In the drawings, A represents the rear portion of my improved mop or cloth wringer, which portion is made of a single piece of metal, and is provided at its rear with downwardly-projecting arms *a a*, which are inclined slightly inward, so as to conform to the configuration of a bucket or pail, which is usually inclined. In front of these downwardly-projecting arms *a a* are two downwardly-projecting portions, *a'*, the inner faces of the portions being parallel, or, if desirable, slightly wedge-shaped, while the upper portions are rounded to receive the edge of the bucket. One of these downwardly-projecting portions *a'* is provided with a smooth face, as shown in Fig. 3, and the upper and lower portions of the opposite portions are provided with outwardly-projecting ears *b*, which are perforated for the reception of a pintle, as will be hereinafter more fully set forth. One of the rear arms *a* is provided with a thumb-screw near its lower end, so that the casting A may be securely attached to the rim of the bucket or pail, and when this casting is attached the upper part of the same will be substantially

horizontal with the rim of the bucket, while the connecting portion at the central part of the casting will incline from its upper edge downwardly toward the side of the pail. To this casting is pivoted, by means of the pintle *b'*, the casting B, which also consists of a single piece. From the eye of this casting *c* is a projecting portion, *c'*, which, when the casting B is opened, will abut against the portion *a'* which is provided with the ears *b*, thus preventing the same from being turned entirely back. The main portion of this casting B is curved, as shown, and tapers from its upper to its lower edge, and the end opposite the eye is also curved inwardly throughout its whole vertical length. The lower portion of the hook thus formed, and indicated by the letter C, is curved upward, as shown at *d* in Fig. 3 of the accompanying drawings.

From the foregoing description the construction and arrangement of the parts of my invention will be fully understood, and I will now proceed to describe its operation: The casting A being first attached to the rim of a bucket and secured thereto by the thumb-screw, the part B may be swung horizontally upon the pintle, so as to open or close the same, and when the same is opened the mop may be inserted, and by turning or twisting the cloth will be caused to engage with the hooked portion, and will draw the same inwardly toward the portion attached to the pail. The mop or cloth is then withdrawn vertically, and, the parts being tapered, the bottom of the casting will force the water from the mop, as will be readily understood by all conversant with such matters without a further explicit description.

It will be seen by reference to the drawings that the parts against which the mop comes in contact being tapered will cause the water to be forced from the mop at the lower edge, so that it will not be liable to run upon the floor, but will be led back into the bucket; also, that there are no projecting hooks, which would engage with the mop, so as to tear the cloth or render the withdrawing of the same difficult, and the curved portion of the hook C will only press upon the cloth, and will allow the easy withdrawal of the same.

Having thus described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, the mop-wringer herein described, consisting of the castings A and B, hinged to each other, the casting A being provided with means for attachment to the rim of a bucket, and the curved tapering casting B provided at its free end with a hook portion, C, having an upwardly-inclined lower edge, substantially as set forth.

2. The improved mop-wringer herein described, consisting of the portion A, having downwardly-projecting arms *a a'* and project-

ing ears *b b*, through which passes a connecting-pintle, and the casting B, tapered from its upper edge downwardly, and provided with an eye, *c*, having a stop, *c'*, formed thereon, and at its opposite end an inwardly-curved portion, C, having its lower end beveled upwardly, substantially as described and shown.

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

JAMES F. WALTER.

Witnesses:

SANFORD WELLS,

GEO. H. LUFKIN.