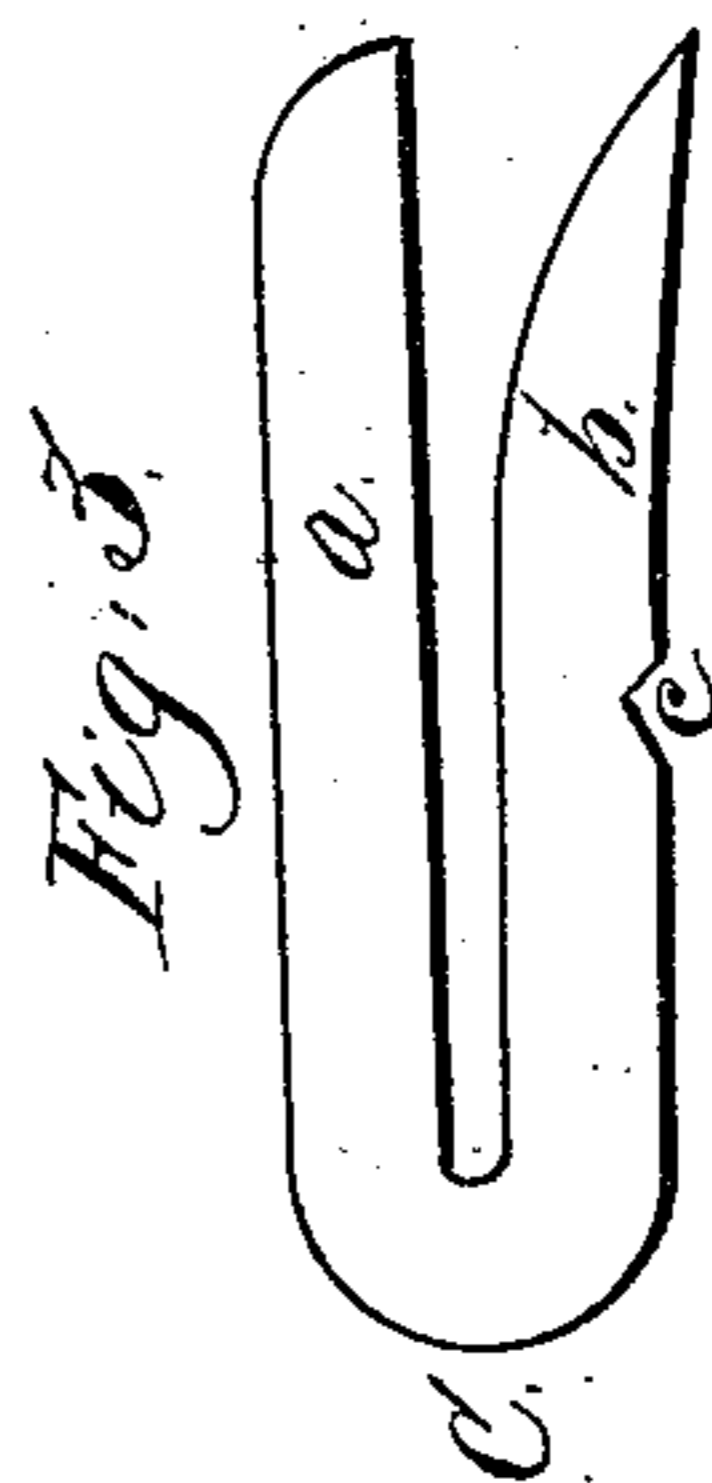
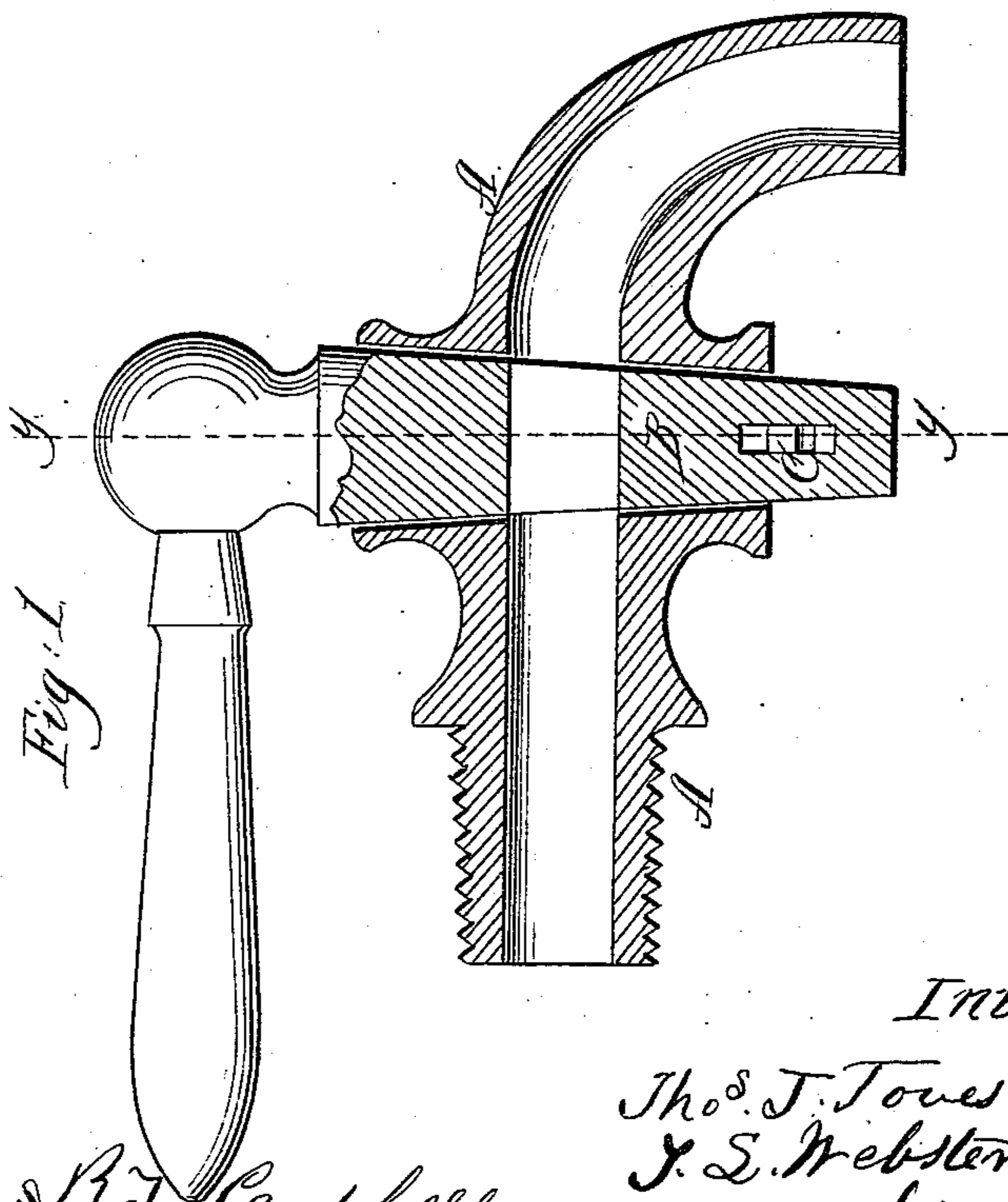
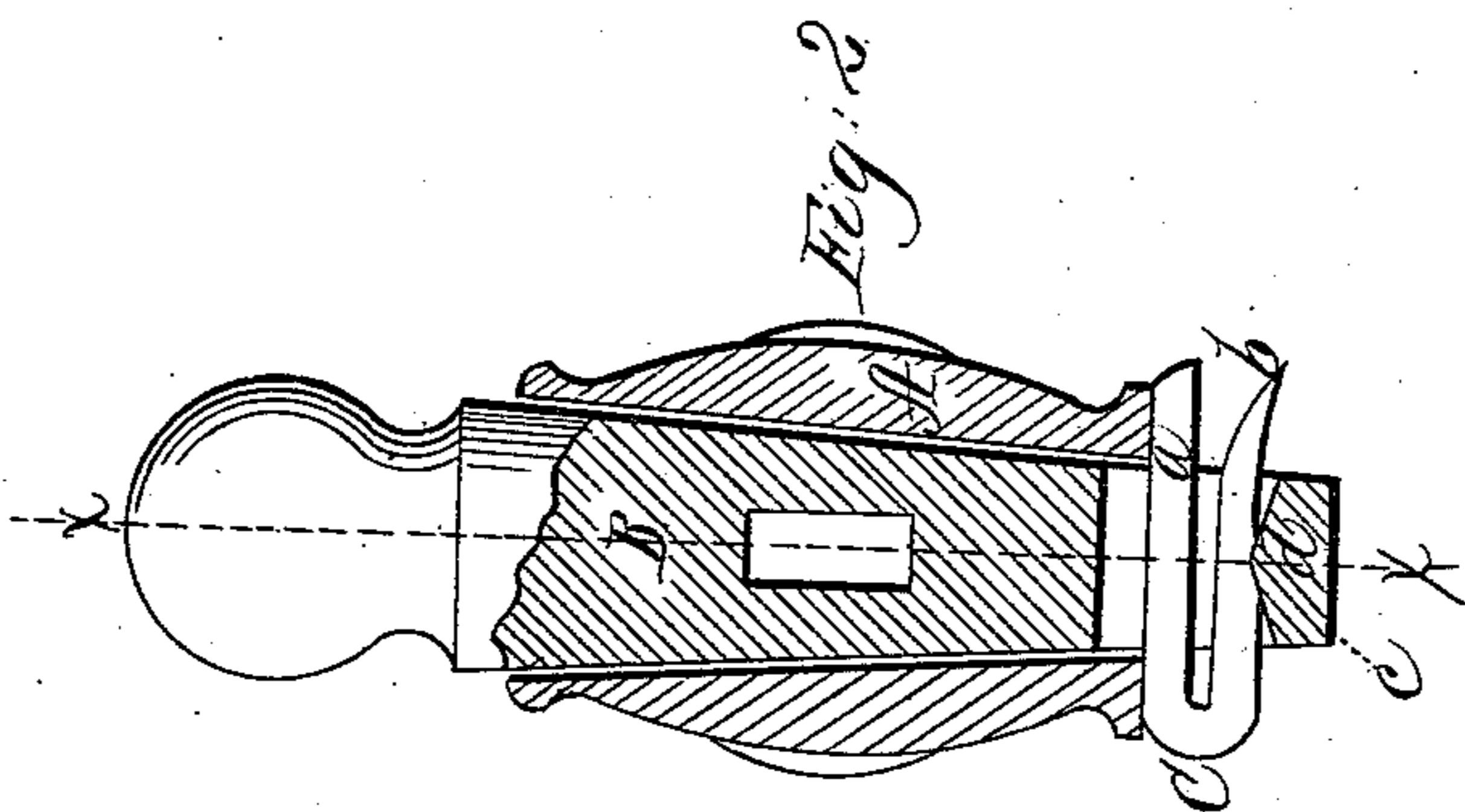


Jones & Webster,
Faucet,
Nº 64,427, Patented May 7, 1867.



Witnesses: *R. J. Campbell*
Q. Schrafer

Inventors:
Thos. J. Jones
J. S. Webster
by
Mason, Henrich & Lawrence

United States Patent Office.

THOMAS J. JONES, OF SUMMIT, NEW JERSEY, AND THEODORE L. WEBSTER,
OF BROOKLYN, NEW YORK.

Letters Patent No. 64,427, dated May 7, 1867.

IMPROVEMENT IN FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, THOMAS J. JONES, of Summit, Union county, State of New Jersey, and THEODORE L. WEBSTER, of Brooklyn, Kings county, State of New York, have invented a new and useful Improvement in Faucets; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a longitudinal section taken in a vertical plane through the centre of a common form of faucet having our invention applied to it.

Figure 2 is a transverse section through the faucet.

Figure 3 is an enlarged view of the spring which holds the plug down in its seat.

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

This invention relates to an improvement on faucets, the object being to hold the faucet plug firmly in its seat so as to prevent leakage around said plug, and dispense with the use of nuts and washers which have hitherto been employed for the purpose.

To enable others skilled in the art to understand our invention we will describe its construction and operation.

In the accompanying drawings, A represents a common form of faucet pipe, and B is the conical or tapering plug thereof, which is fitted into a tapering seat or socket in the usual well-known manner of constructing faucets. Near the lower end of the plug B an oblong slot is made transversely through this plug, the lower end of which slot is bevelled so as to form a ridge or "knife edge," *d*, shown in fig. 2. This slot is of such length as to extend slightly into the tubular socket, and also below the same, for the purpose of receiving a v-shaped spring, C, the upper limb *a* of which presses squarely against the body of the faucet, and the lower limb of which presses upon the lower ridged portion *d* of the plug B, as shown. A notch, *e*, is formed in the bottom edge of the spring C, which notch is received by the ridge *d*, and thus the spring is prevented from slipping out of place. This ridge *d* also affords a central bearing for the spring C, and causes it to press equally and squarely against the lower end of the body of the faucet, as shown in fig. 2. The spring C will draw the plug firmly down in its socket or seat, and hold it with the required force to prevent leakage. It will also accommodate itself to the slight wear on the plug and seat, and it is not liable to get out of place nor to allow the plug to work loose.

Hitherto faucet plugs have been held in place by means of washers and nuts, the latter being screwed on the lower ends of the plugs, and tightened up when the plug wears loose. By our invention we avoid the expense of the nut and washer and their liability of working loose, and employ in lieu thereof a simple spring inserted through the lower end of the plug. We prefer to employ a spring, C, of the form shown in the drawings, but we do not confine our invention to this form of spring, as any other form, which will answer the purpose, may be employed.

Having described our invention what we claim as new, and desire to secure by Letters Patent, is—

1. Holding the plug of a faucet or stop-cock to its seat by means of a spring which is inserted into or through a recess made transversely through said plug, substantially as described.
2. The construction of the v-shaped spring C with a centring notch in it, for the purpose specified.

THOS. J. JONES,
THEODORE L. WEBSTER.

Witnesses:

ABRAM M. GEE,
JAS. R. BALLANTINE.