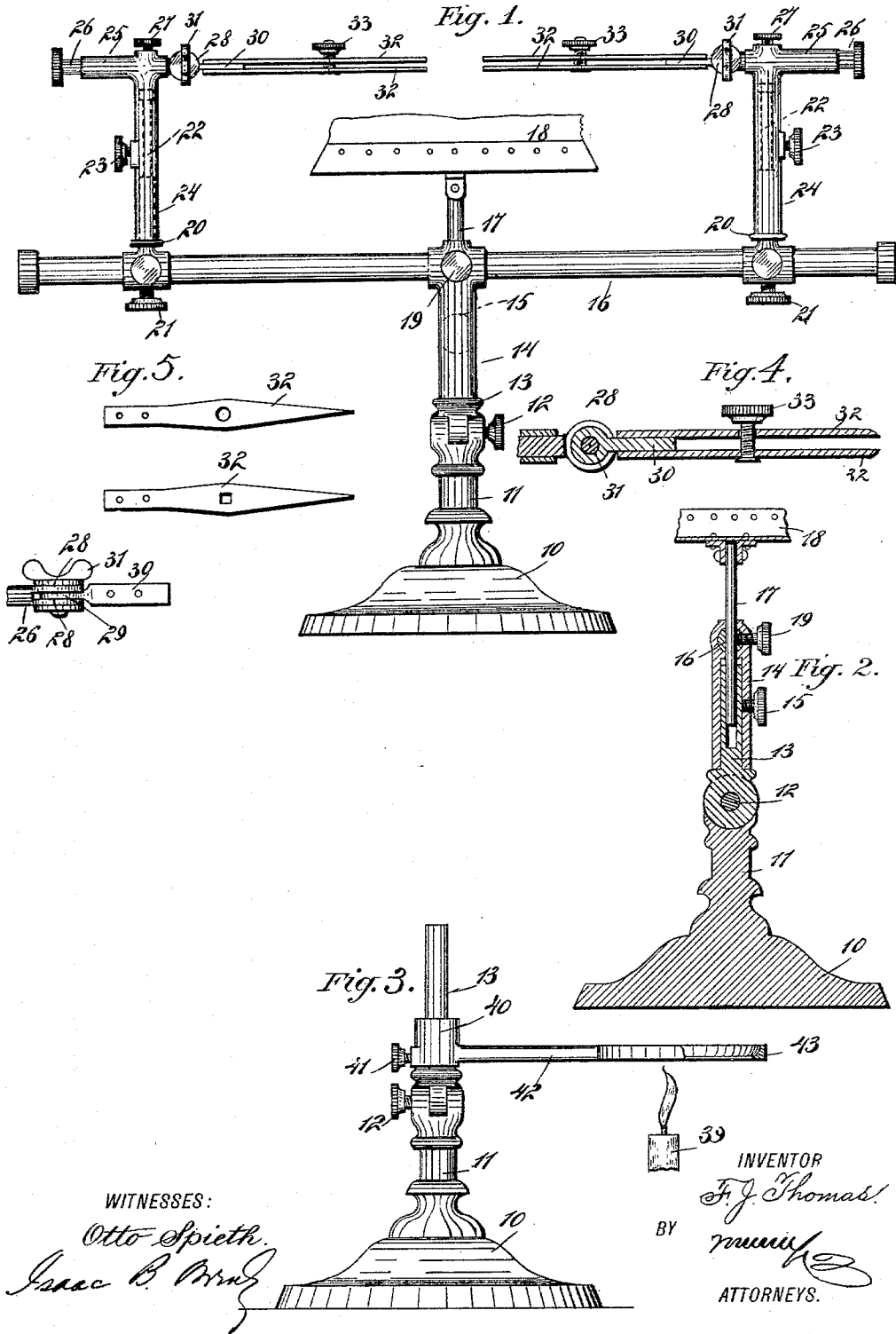


(No Model.)

F. J. THOMAS.
JEWELER'S CLAMP.

No. 593,139.

Patented Nov. 2, 1897.



UNITED STATES PATENT OFFICE.

FRED J. THOMAS, OF CAIRO, ILLINOIS.

JEWELER'S CLAMP.

SPECIFICATION forming part of Letters Patent No. 593,139, dated November 2, 1897.

Application filed June 5, 1897. Serial No. 639,607. (No model.)

To all whom it may concern:

Be it known that I, FRED J. THOMAS, of Cairo, in the county of Alexander and State of Illinois, have invented a new and Improved
5 Jeweler's Clamp, of which the following is a full, clear, and exact description.

This invention is an apparatus for holding jewelry and similar articles while such articles are being operated on.

10 The device is characterized in general by a base supporting a universally-adjustable cross-bar which in turn holds fingers that carry the work and also a charcoal-pan or heating apparatus.

15 This specification is the disclosure of one form of my invention, while the claims define the actual scope of the conception.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the invention. Fig. 2 is a vertical section taken through the base thereof. Fig. 3 is a side elevation of a
25 device for holding glue-pots and other receptacles over a heating device. Fig. 4 is a sectional view of one of the work-holders, and Fig. 5 is a view of the spring-plates of the work-holder.

30 The base 10 of the device has a standard 11, carrying a horizontal screw 12, on which is pivoted a pin 13. By means of the screw 12 the pin 13 may be held rigidly in any position on the standard 11. Turning on the pin 13
35 is a sleeve 14, having a set-screw 15, by which it may be held rigidly in any axial position on the pin 13. Carried rigidly in the upper end of the sleeve 14 is a horizontal beam 16. Passing
40 through the beam 16 and into a central recess in the pin 13 is the stem 17 of the charcoal-pan 18. A set-screw 19, passing through the upper end of the sleeve 14, serves to hold the stem 17 adjustably and rigidly in place. The charcoal-pan 18 is hinged to the stem 17,
45 so that the charcoal-pan may be adjusted on said stem by operating the pin which connects said parts with each other.

Carried at each end of the beam 16 is a standard 20, held adjustably in place by a set-
50 screw 21. The upper end of each standard 20 has a reduced portion 22. Fitted over each portion 22 is a tube or sleeve 24. Each tube

or sleeve 24 has a set-screw 23, respectively engaging with the reduced portions 22 of the standards 20 to hold the sleeves or tubes 24
55 in place and to permit said sleeves or tubes 24 to be turned axially on the standards 20. The upper end of each sleeve 24 has a horizontally-extended head 25, through which a rod 26 is movable. The rods 26 are respec-
60 tively held adjustably in place by set-screws 27, carried in the sleeves 24. Each rod 26 has its inner end flattened and bifurcated to form two disks 28. Between these disks 28 the disks 29 of the blocks 30 are respectively
65 fitted. A set-screw 31 is passed through each pair of disks 28, whereby to clamp the disks 29 between said pairs of disks 28. By these means the blocks 30 may be adjusted to various
70 positions on horizontal axes formed by the screws 31. Rigidly attached to each block 30 are two spring-plates 32. The spring-plates 32 are movable toward and from each
75 other by means of a set-screw 33. These plates 32 may be made to clamp and hold work. The plates 32 project over the charcoal-pan
18 to hold the work close to the fire therein.

The tube or sleeve 14 may be removed from the pin 13, as shown in Fig. 3, and a device mounted on said tube whereby to sup-
80 port a glue-pot or similar device over an alcohol-lamp 39 or other source of heat. This device consists in a collar 40, with a set-screw 41 to engage the pin 13. An arm 42 projects out from the collar and terminates in a ring
85 43, which holds the glue-pot.

The invention is very convenient for jewelers and may be adjusted to a great number of positions and have a great number of
90 different uses.

Various changes in the form, proportion, and minor details of my invention may be resorted to without departing from the spirit and scope thereof. Hence I do not limit myself to the precise construction herein shown,
95 but believe that I am entitled to all such variations as come within the terms of my claims.

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

1. The combination of a base, a standard mounted thereon, a post pivotally connected to the standard, a sleeve adjustable axially

on the post, a beam carried by the sleeve, a standard adjustable on each end of the beam, a sleeve turning on each of said last-named standards, a work-holder held by each of said last-named sleeves, and a heating apparatus held by the first-named sleeve.

2. The combination of a base, a pin pivotally mounted thereon and having a centrally-disposed orifice, a sleeve embracing the pin, a beam carried by the sleeve, means on the beam for holding work, and a charcoal-pan having a stem, the stem being run through the upper portion of the sleeve into the opening in the pin.

3. A jeweler's clamp having a base, a beam supported on the base, a charcoal-pan supported above the middle portion of the beam, a standard carried by each outer portion of the beam, a sleeve or tube adjustable axially on each standard, each sleeve or tube having

a head at its upper portion, a rod mounted in each head, each rod having a bifurcated inner end, two blocks each having a disk formed thereon, the disks being respectively held between the bifurcated portions of the rods, means for clamping said bifurcated portions of the rods against the disks, and clamping members carried by the blocks.

4. The combination of a base, a standard rising therefrom, a pin adjustably carried by the standard and having a central recess, a sleeve embracing the pin, a beam passed horizontally through the upper portion of the sleeve, and a stem run transversely through the beam and into the recess of the pin.

FRED J. THOMAS.

Witnesses:

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