

No. 768,496.

PATENTED AUG. 23, 1904.

J. E. WHITTEN.  
SOLDERING PAD FOR JEWELERS.

APPLICATION FILED FEB. 11, 1903.

NO MODEL.

Fig. 1.

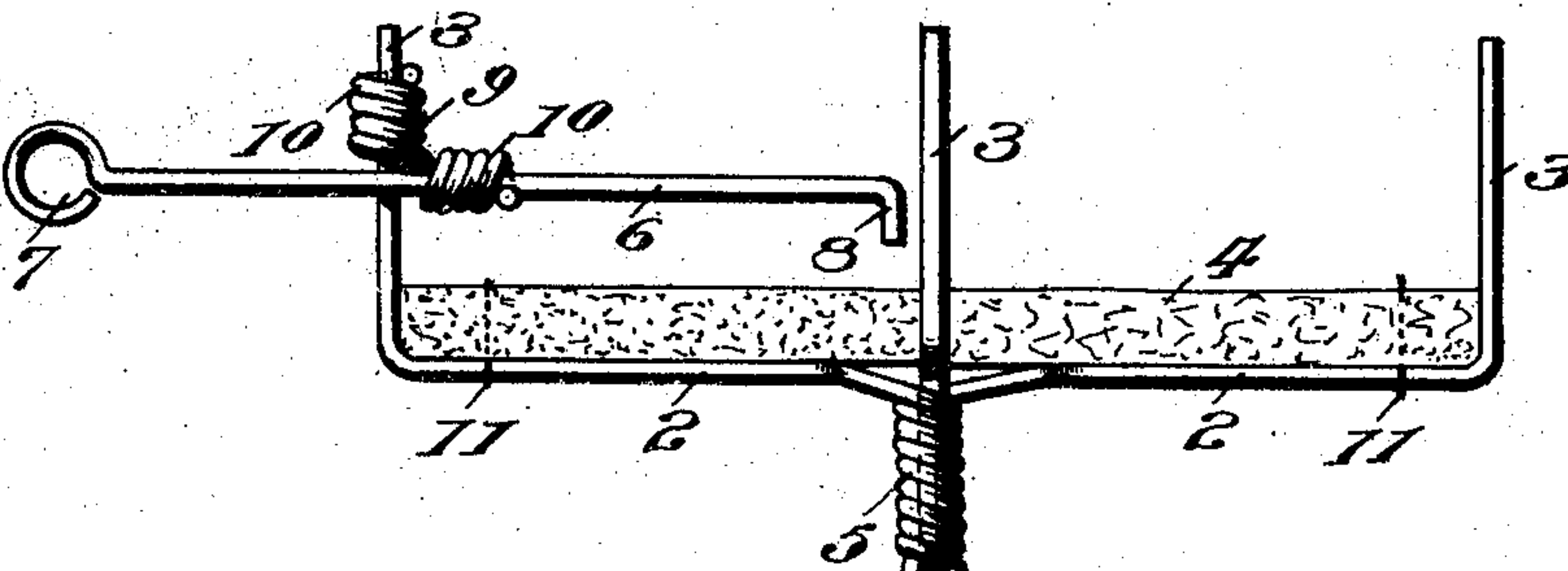
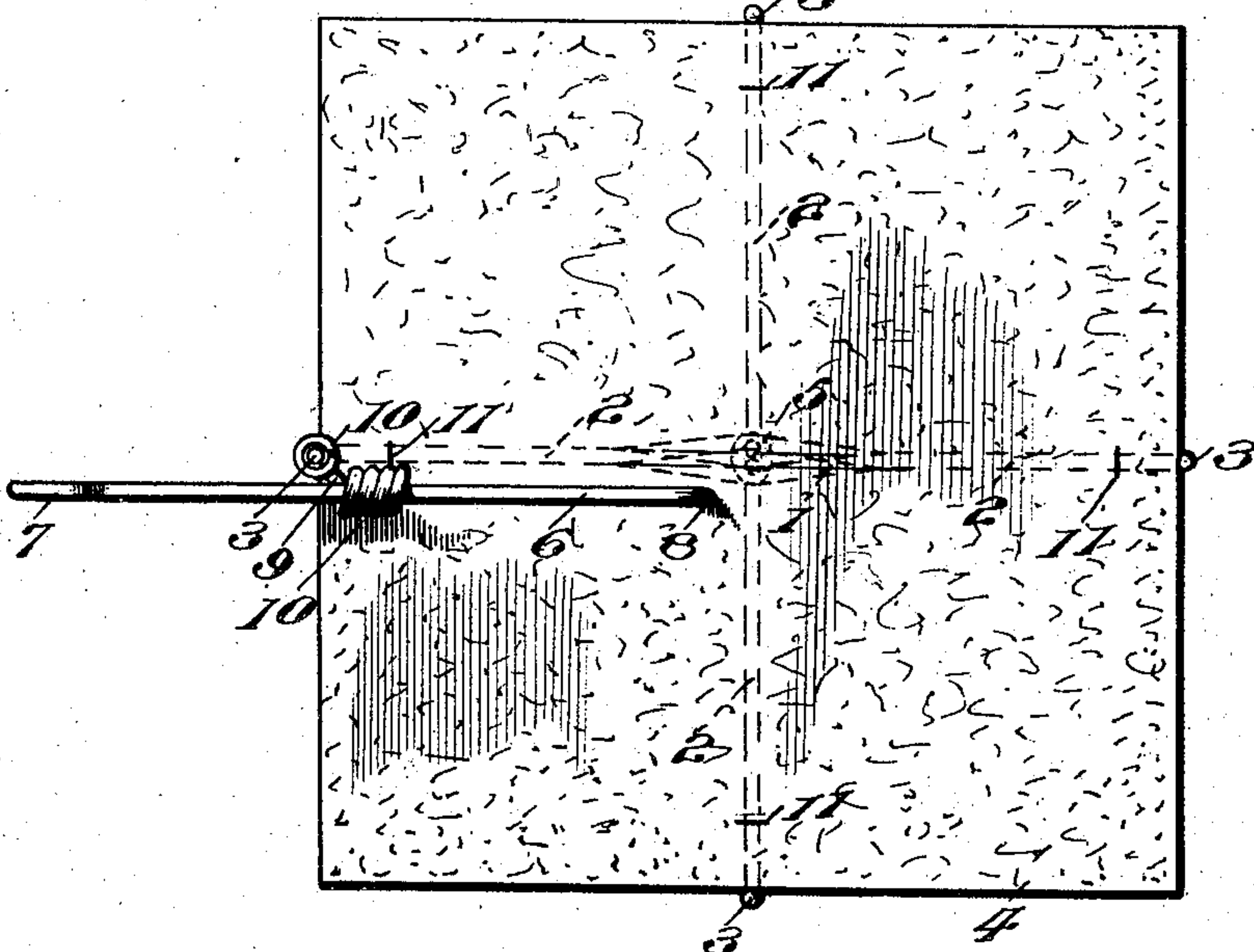
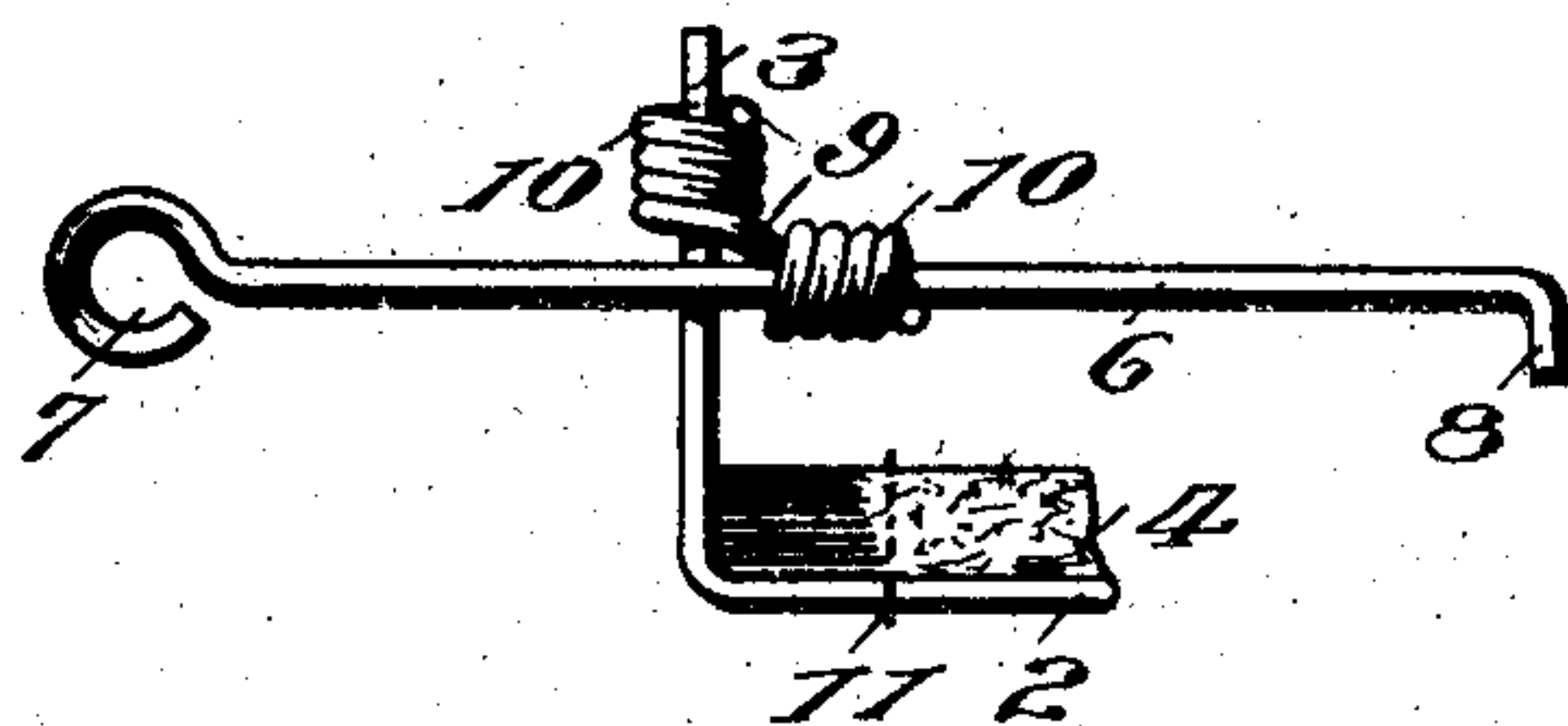


Fig. 2.

Fig. 3.



Inventor

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Witnesses

*John Dobb*

By,

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## UNITED STATES PATENT OFFICE.

JAY E. WHITTEN, OF MINGO JUNCTION, OHIO.

## SOLDERING-PAD FOR JEWELERS.

SPECIFICATION forming part of Letters Patent No. 768,496, dated August 23, 1904.

Application filed February 11, 1903. Serial No. 142,984. (No model.)

*To all whom it may concern:*

Be it known that I, JAY EDMUND WHITTEN, of Mingo Junction, in the county of Jefferson, and in the State of Ohio, have invented certain new and useful Improvements in Soldering-Pads for Jewelers, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a soldering-pad that can be held in the hand and turned in any position required while holding any small article to be soldered and in a form that will remove the previous objections to old forms of soldering.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of the invention. Fig. 2 is a side elevation. Fig. 3 is a detail view showing a side portion of the pad and the clamp member adjacent thereto, parts being broken away.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The invention comprises, essentially, a handle 1, by which the pad is supported, said handle being provided with a plurality of pad-supporting arms 2, which extending therefrom are provided again with stop extensions 3, which firmly prevent displacement of the pad from the supported position upon the handle 1.

An important feature of the invention is in the provision of an article which may be very cheaply manufactured and which may be readily manipulated by the workman so as to easily bring the work into a position in which it may be most adapted to be operated upon.

The pad, which is designated 4, may be of

any refractory material, preferably asbestos, and is of approximately square form, as illustrated, though it will be obvious that the same may be constructed of any desirable outline. The pad-supporting structure, consisting of the handle 1, arms 2, and the extensions 3, is preferably made from stout wire. Two lengths of wire are bent intermediate their ends to form the handle 1, the bent portions of the said wires, as above described, being disposed at approximately right angles to each other. A handle of suitable size is secured by twisting or wrapping the end portions of the wires upon each other at a point about intermediate the ends thereof, as shown at 5. The wires after being twisted together at 5 have their ends extended laterally from the handle to form the pad-supporting arms 2, the said arms diverging from the handle, as shown most clearly in Fig. 1 of the drawings, and having their end portions bent upwardly to form the stop extensions 3, between which the pad is held when disposed upon the supporting-arms 2. It will be understood that any number of wires may be used in forming the handle and supporting-arms within the contemplation of my invention. Work-clamping members of the form indicated by the numeral 6 are mounted upon the extensions 3 for lateral movement and are adapted to engage the work upon the pad to hold the same in a position so as to be readily operated upon by the workman holding the pad. The clamp members 6 may be of any number desired and consist of a body provided with a finger-piece 7 and an engaging bent end 8. The said members 6 are supported by means of a journal member 9, provided with the angularly-disposed journals 10, one of which receives the extension 3, adjacent which the clamp member is disposed, and the other receives the body of the clamp member. The clamp members 6 are adapted for both a slidable and pivotal movement, as mounted upon the journal member 9, this facilitating the engagement of the said member with the work disposed upon the pad. To secure the pad 4 to the arms 2, any suitable means may be employed, that shown consisting of a plurality of wires 11, which pass through the body of the pad and loop



about the arms to secure the same firmly to the under side of the said pad. The journal member 9 being slidably mounted upon the respective extensions 3, by which the same is carried, further adapts the clamp member for a vertical movement, so that the same may be moved vertically and pivotally and for the horizontal slidable movement before described.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a device of the class described, the combination with a support, a pad of refractory material disposed upon the support, supporting members extending above the surface of the said pad, a journal member provided with angularly-disposed journals mounted upon a supporting member, the supporting member being received in one of the journals of the journal members, and a clamp member mounted in the other journal of the journal member.

2. In a device of the class described, the combination with a support, a pad of refractory material disposed upon the support, arms projecting above the surface of said pad, a journal member provided with angularly-disposed journals, one of the journals of the journal member receiving one of the arms aforesaid, and a clamp member slidably mounted in the other journal of the journal member.

3. In a device of the class described, the combination with a support, arms extended from the support, a pad of refractory material disposed upon the arms of the support, extensions projected from the arms and extending above the surface of the pad aforesaid, and clamp members carried by the said extensions.

4. In a device of the class described, the combination with a support, arms extended from the support, a pad of refractory material disposed upon the arms of the support, integral extensions projected from the arms and extending above the surface of the pad aforesaid, and clamp members carried by the said extensions.

5. In a device of the class described, the combination with a support consisting of lengths of wire bent upon themselves to form a handle, the end portions of the said lengths of wire being bent to form supporting-arms and having terminals thereof bent to form stop extensions, a pad of refractory material disposed upon the supporting-arms, and clamp members mounted upon the extensions of the supporting-arms.

6. In a device of the class described, the combination with a support consisting of lengths of wire bent intermediate their ends to form a handle, said wires being twisted together adjacent the handle and bent to form supporting-arms, the terminals of the supporting-arms being angularly extended to form stop members, a pad of refractory material disposed upon the supporting-arms, and clamp members mounted upon the stop extensions of the supporting-arms.

7. In a device of the class described, the combination with a handle, supporting-arms carried by the handle and provided with stop extensions, a supporting-pad of refractory material disposed upon the arms, and clamp members carried by the stop extensions aforesaid.

8. In a device of the class described, the combination with a handle, supporting-arms projected from the handle, stops extended from the said arms, a pad of refractory material disposed upon the arms aforesaid, and clamp members pivotally and slidably mounted upon the stop members aforesaid.

9. In a device of the class described, the combination with a handle, supporting-arms projected from the handle, a pad of refractory material disposed upon the said arms, and clamp members pivoted to the said arms and adapted for a vertical and horizontal movement.

10. In a device of the class described, the combination with a handle, supporting-arms projected from the handle, a pad of refractory material carried by the supporting-arms, and clamp members pivoted to the said arms and movable toward and from the surface of the pad.

11. In a device of the class described, the combination with a handle, supporting-arms extended from the handle, stop extensions projected from the supporting-arms, a journal member provided with angularly-disposed journals carried by one of the said arms, and a clamp member mounted in one of the aforesaid journals of the journal member, the other one of said journals receiving one of the stop extensions.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 25th day of August, 1902.

J. E. WHITTEN.

Witnesses:

W. J. O'CONNELL,  
F. L. MCCOY.