(No Model.)

G. W. MELOTTE.

BLOWPIPE PAD.

No. 480,024. Patented Aug. 2, 1892.

FIG. 1.

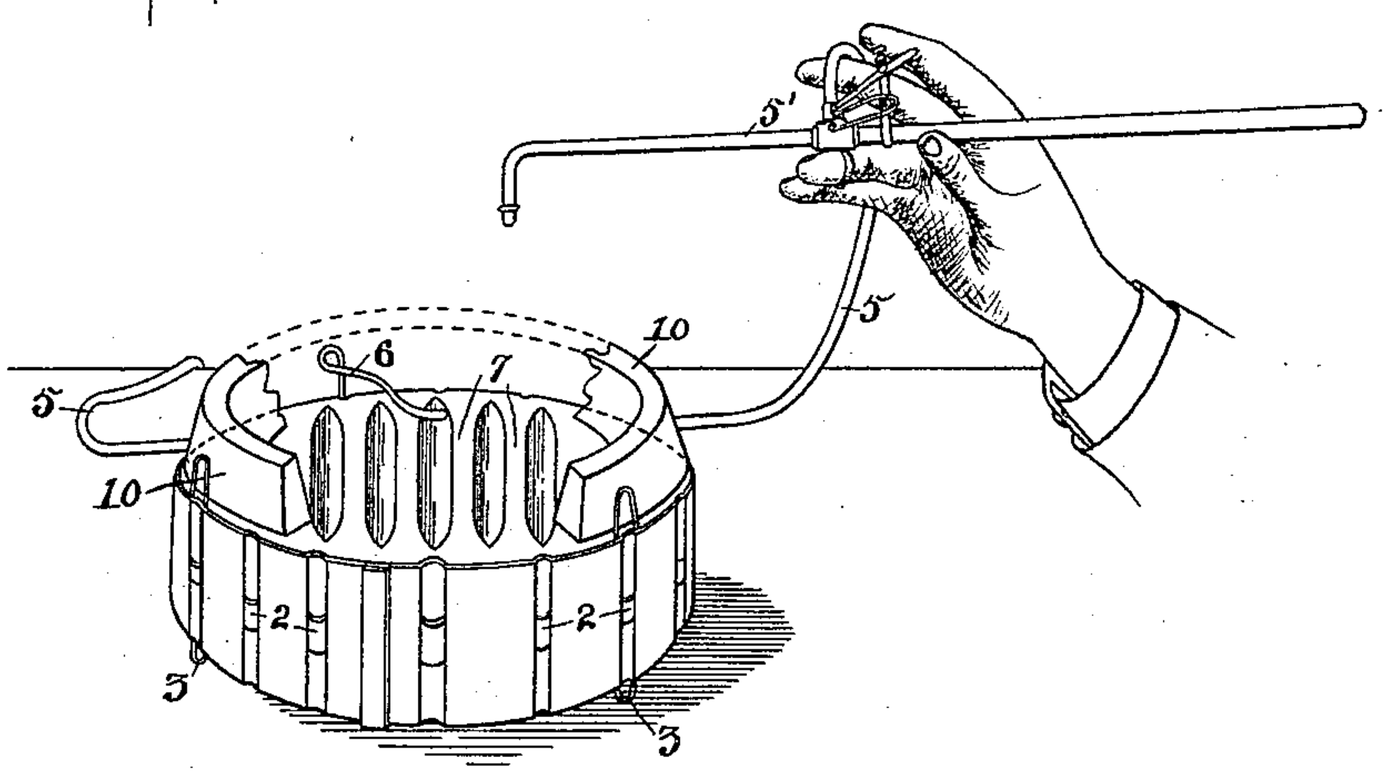
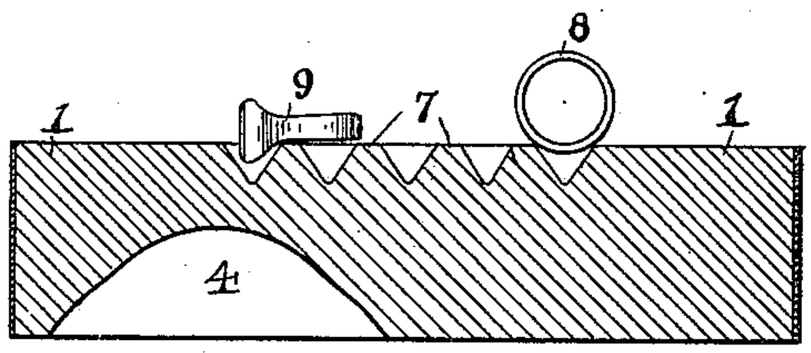


FIG. 2.



WITNESSES

Arch. M. Catlin.

O. H. Klein.

INVENTOR

George W. Melotte

by

Benj. R. Catlin

Atty.

UNITED STATES PATENT OFFICE.

GEORGE W. MELOTTE, OF ITHACA, NEW YORK.

BLOWPIPE-PAD.

SPECIFICATION forming part of Letters Patent No. 480,024, dated August 2, 1892.

Application filed March 2, 1892. Serial No. 423,469. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MELOTTE, a resident of Ithaca, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Blowpipe-Pads; 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 pertains to make and use the same.

This invention relates to soldering appliances for jewelers, dentists, and metal-workers, and has for its object to increase the efficiency of soldering beds or pads and blowpipe apparatus; and it consists in the construction hereinafter described and particularly pointed out.

Figure 1 is an isometrical view of the improved bed combined with gas and blowpipes, and Fig. 2 is a vertical section of the bed.

Numeral 1 denotes the main part of the bed, made of any suitable material and preferably provided with sockets 2 to receive the fingers of a lifting device or handle and with feet 3. 4 indicates the customary depression, adapted to receive a crucible or melting-cup, and 10 a removable rim.

5 denotes a gas-supply pipe, 5′ a blowpipe, and 6 a clamp. All of these parts are of usual form, and others may be substituted of any approved kind. In the bed, and preferably on the side opposite to the crucible-seat, are formed by grooving, molding, or otherwise ribs or ridges 7. The sides of these ribs are preferably inclined, as indicated, to promote upward reflection of heat.

8 indicates a ferrule supported between two ridges, and 9 a ring lying on their upper edge.

Heretofore various special devices have been used to support and hold small articles on a soldering-pad for the purpose of exposing the under side of such article to the flame directed upon them by a blowpipe and to prevent them being blown off the bed by the force of the blast. To enable such separable holding and supporting devices to be dispensed with or to supplement their use when desired, the bed is provided on its face with ridges, preferably formed by grooves made below the general level of the bed. Articles resting upon or between these ridges are held thereby against the force of the blowpipe-blast, and there is furthermore provided a space underneath them for the access of flame thereto, the side walls of the ridges co-operating by reflection of heat in an upward direction. The inclined sides of the adjacent ridges form an extended reflecting-surface adapted to concentrate heat rays on any article lying on their upper surface.

The particular form of the ridges, whether curved, straight, or broken, as well as their height, width, number, and the inclination of their sides, may be varied, provided they be adapted to support and hold jewelry and the like against the blowpipe-blast and in manner to permit access of flame to the under side of such articles and the upward reflection of heat against them from an enlarged surface below.

I am aware that brick and tile have been placed on furnace-bottoms to support piles in covered heating-furnaces, and I do not claim devices of this character.

Having described my invention, what I claim is—

A bed or pad for soldering jewelry and the like, provided with ridges formed on the face of the bed integral therewith and adapted to support the articles to be soldered and permit access of flame and heat to their under sides, said pad being open directly over the ridges to allow free use of a blowpipe, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

GEORGE W. MELOTTE.

Witnesses:
CHARLES H. BLOOD,
WM. HAZLITT SMITH.