(No Model.)

B. B. MANCHESTER.

TOOL FOR HOLDING THE FRAMES AND BACKS OF JEWELRY TOGETHER FOR BURNISHING.

No. 267,094. Patented Nov. 7, 1882.

Fig. 1.

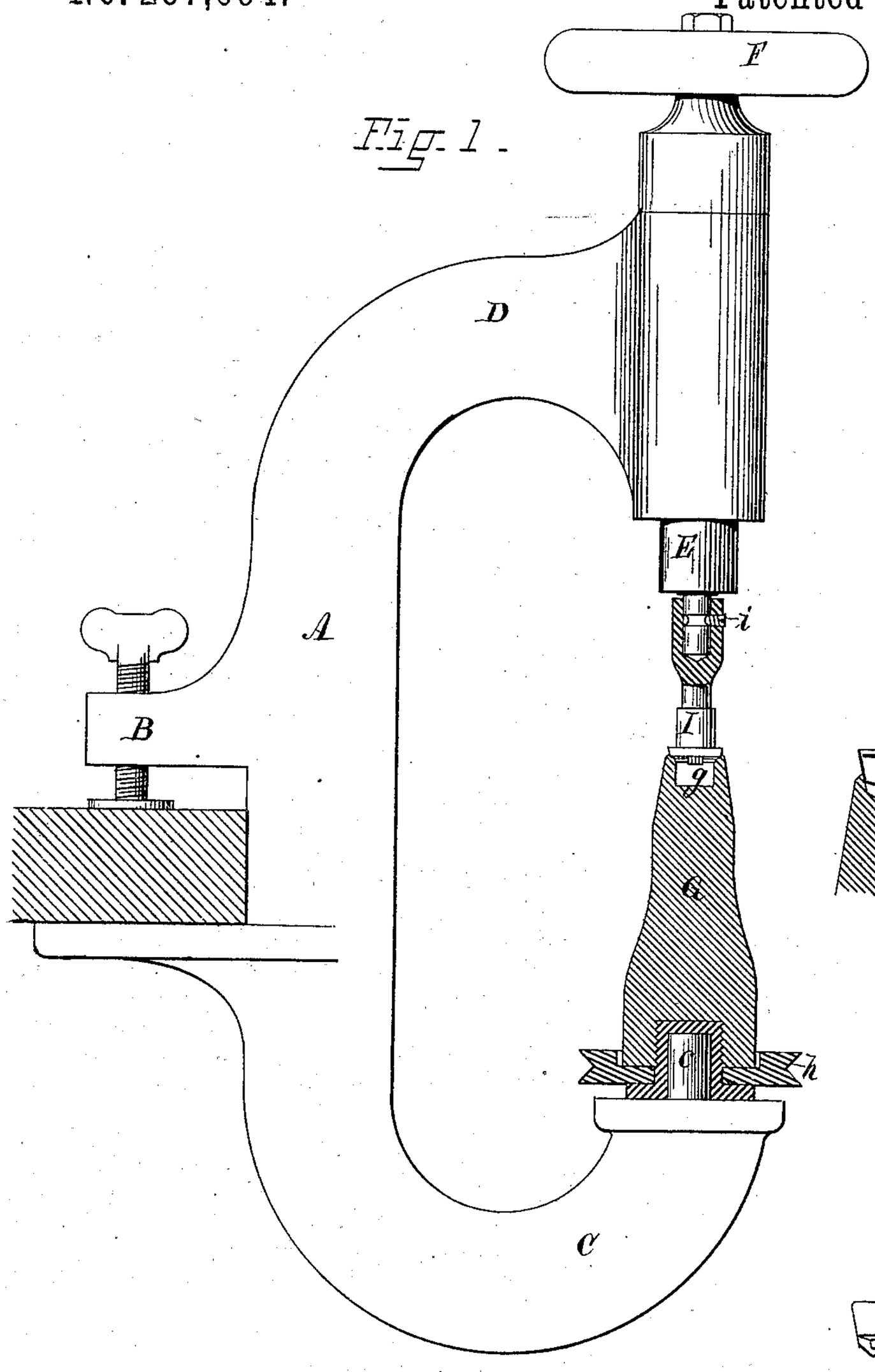


Fig. 2.

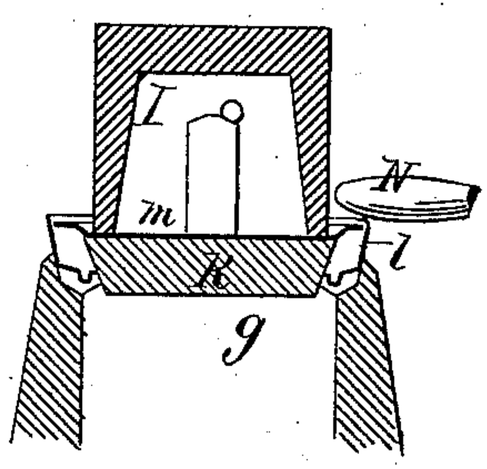
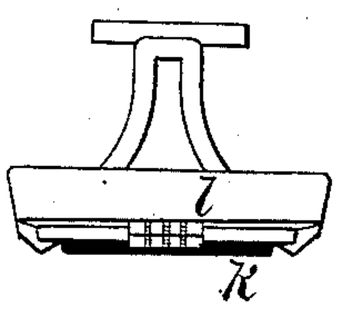


Fig. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

BENJAMIN B. MANCHESTER, OF PROVIDENCE, RHODE ISLAND.

TOOL FOR HOLDING THE FRAMES AND BACKS OF JEWELRY TOGETHER FOR BURNISHING.

SPECIFICATION forming part of Letters Patent No. 267,094, dated November 7, 1882.

Application filed February 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN B. MANCHESTER, of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Tools for Holding the Frames and Backs of Jewelry together for Burnishing; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improved device in which buttons, pins, and other articles of jewelry may be secured while the edges are turned over to secure the setting.

The invention consists in a frame arranged to be clamped to a work-table, provided with a holder in which the article is placed, arranged to be turned either by hand or mechanical means, and with a screw-spindle carrying a bearing-block, which, when the article is secured between the holder and the spindle, can turn with the same, as will be more fully set forth hereinafter.

Figure 1 is a view of my improved tool, shown partly in section. Fig. 2 is an enlarged section of the upper end of the holder, showing a button secured in a cavity, the stone held by the bearing-block. Fig. 3 is a view in side elevation of a button adapted to be burnished in the tool.

When a stone-setting is secured in a button, pin, or similar article of jewelry, a frame of light stock is stamped with a die to receive the stone. This stone or jewel rests against the inner edges of the frame.

The object of this invention is to facilitate the bending over of the frame on the inner edges of the plate.

In the drawings, A is a frame, provided with the clamp-screw B, the bracket C, with the pin *c*, in which the holder rests and turns, and the bracket D, in which the spindle E moves longitudinally, being controlled by the hand-wheel F, operating a screw which engages with the spindle E and moves the same.

G is a chuck or holder, made preferably of wood, and provided at its upper end with the seat *g*, being a cavity into which the stone or jewel enters, and a side bearing in which the frame rests. This side bearing is made by pressing the die with which the frame is stamped into the end of the holder.

I is the follower, secured to the small part of the spindle E by means of the screw *i*, entering a groove in the spindle, so that said follower may rotate on the spindle and independently thereof. The follower I is made hollow, as shown in Fig. 2, so that the shank of a button or the hinge and hook of a pin can enter the same, and also so as to bear on the edge of the stone only.

N is the burnishing-tool, and *h* is a whirl placed on the pin *c* and provided with a seat for the chuck or holder G.

When round work is to be bent over, motion may be imparted to the holder by a band passing around the whirl *h*, driven by any motor.

The operation of the device is as follows: The frame *l*, with the stone, or jewel K, is inserted in the cavity *g* of the holder. The back plate, *m*, is inserted so as to rest on the stone or jewel. The follower I is now forced so as to bear on the back plate, thus firmly securing the article between the holder and the follower, so that any rotary movement imparted to the holder will cause the article of jewelry and the follower to be also rotated, and the burnishing-tool is held in one hand to turn over the edge of the frame, as is shown in Fig. 2, while the other hand holds and turns the chuck or holder until all the sides of the frame are turned over the back plate and the whole is secured firmly together.

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

1. A tool for holding the backs and frames of jewelry together for burnishing, consisting of a rotating holder and a follower adapted to rotate with the holder, substantially as described.

2. The combination, with the frame A, having brackets C and D, of the rotating holder G, provided with the cavity *g*, and the adjustable spindle E, provided with the follower I, adapted to rotate independently of said spindle, as described.

3. The combination, with the frame A B C D, of the adjustable spindle E, the follower I, the holder G, and whirl *h*, all constructed and arranged to operate substantially as and for the purpose described.

BENJAMIN B. MANCHESTER.

Witnesses:

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