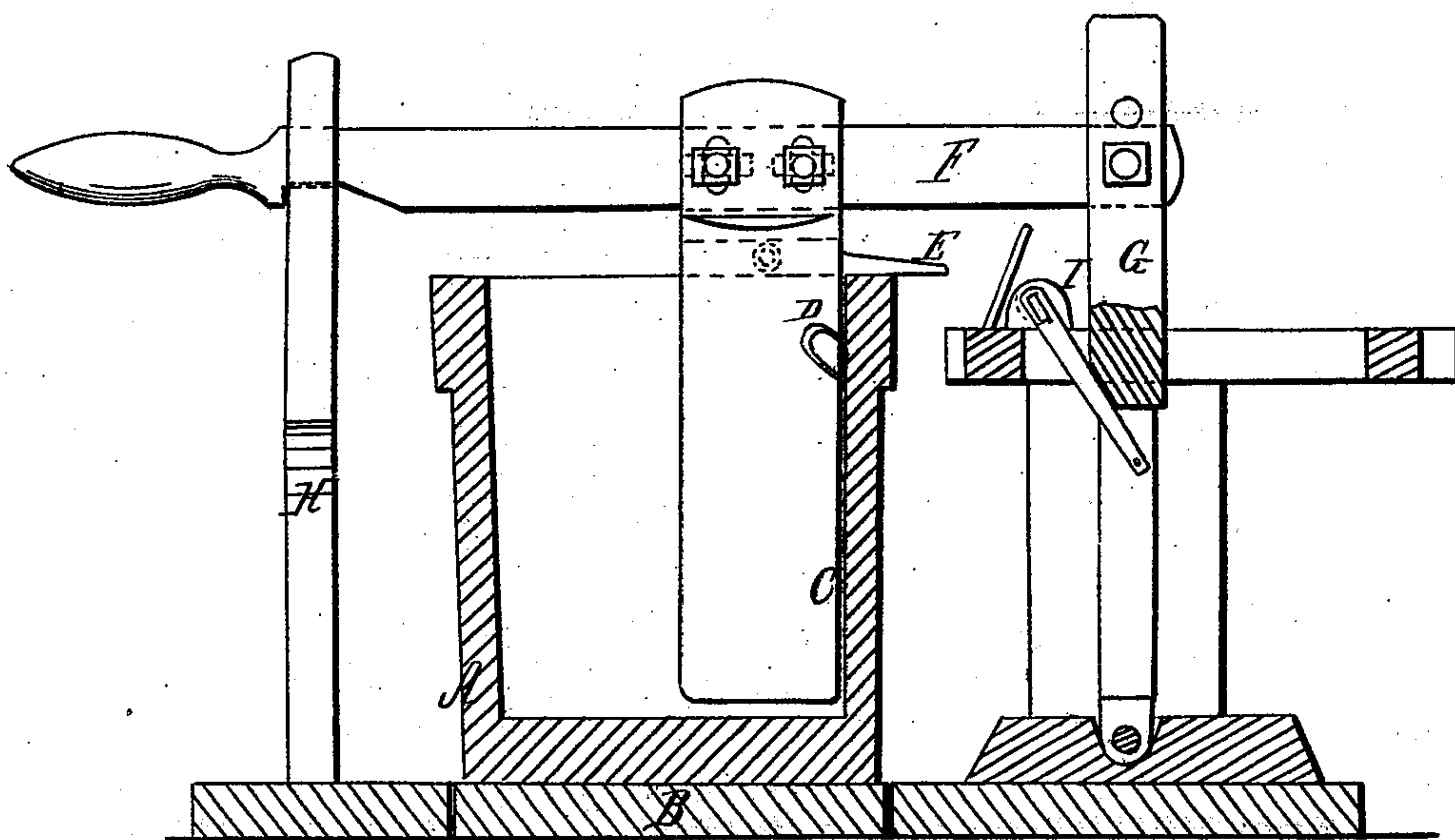


J.H. Baddeley

Shaping Earthenware.

N^o 96,537

Patented Nov. 9, 1869.



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JOSEPH H. BADDELEY, OF GREENSBOROUGH, PENNSYLVANIA.

Letters Patent No. 96,537, dated November 9, 1869.

IMPROVEMENT IN APPARATUS FOR SHAPING EARTHENWARE.

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

To all whom it may concern:

Be it known that I, JOSEPH H. BADDELEY, of Greensborough, in the county of Greene, and State of Pennsylvania, have invented a new and improved Apparatus for Shaping Earthen Jars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to new and useful improvements in tools and tool-rests, for shaping and finishing jars, and the tops thereof, to form the chimes for the reception of the covers.

It consists in the employment of a moulding-jar, wherein the clay is moulded to the required exterior form, and in the employment therewith of a tool, adapted to shape the interior of the jar, and to form the chime for the cover.

Also, in an arrangement of the support of the said tool, for holding it while turning, and for removing it from the finished jar, for the removal of the latter from the lathe, all as hereinafter more fully specified.

The drawing represents a sectional elevation of my improved apparatus.

I place a plaster of Paris moulding-jar, A, on the table B of the lathe, and place the clay therein for the jar to be formed; and by the use of the tool C, suspended from above so as to be gradually pressed down in the mould, to act upon the clay as the lathe is revolved, I shape the said clay within the jar up against the sides thereof, the said tool C being arranged at the distance from the inner wall of the mould for the thickness of the wall of the jar to be formed.

This tool C is provided with a cleft, D, to shape the chime, near the top, for the support of the cover, and it is provided with a scraper, E, projecting over the top of the mould, to remove any surplus metal.

The said tool is suspended from a bar, F, hinged to the standard G, which is jointed at the bottom, and free to swing toward or from the mould.

The other end of the bar F passes through a slotted support, and is notched at the under side, where it passes through the said slot, the vertical wall of the notch being at the side of the post opposite to the mould, and the inclined wall on the same side with the mould.

This notch limits the movements of the post G away from the mould, and causes the bar and the tool thereon to be properly guided when pressed down upon the clay, and to rise for disengaging the chime, when it is drawn through the slot from the mould.

I represents a holding-pawl, provided with a handle, and arranged to bear against the post G, pressing it and the bar F in the direction to hold the tool C up to its work, and the notch in the bar against the post H.

The parts are arranged in this position when the work is commenced, and so maintained during the operation; but when the work is finished, the pawl I is turned up, the bar E drawn back, and the tool C raised up and away from the work so as to disengage the cleft from the lip or chime formed by it, without breaking or disturbing it, and then the bar is swung over on the joint with the post G, and the tool C thereby removed from the finished jar.

I am aware that tools for a similar purpose with mine have been operated by a lever, pivoted to a swinging or vibrating post, and I do not claim them, except in combination, as hereafter specified.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The combination, with a moulding-jar, of a scraper, E, and clefted tool C D, all as shown and described.

2. The clefted tool C, in combination with notched bar F, oscillating post G, dog I, and slotted post G, all arranged as set forth.

JOSEPH H. BADDELEY.

Witnesses:

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