

J. HEWITSON.
Tool for Ornamenting Surfaces of Metals.
No. 225,828. Patented Mar. 23, 1880.

Fig. 1.

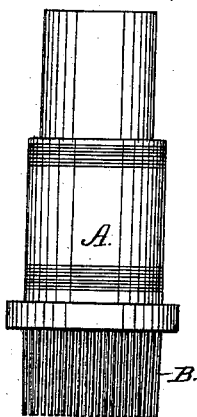
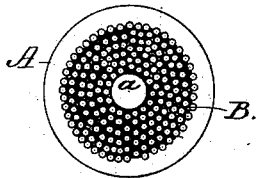


Fig. 2.



WITNESSES:

W. W. Hollingsworth
Edw. W. B. Jr.

INVENTOR:

Jno. Hewitson
BY *Wm. L.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN HEWITSON, OF TAUNTON, MASSACHUSETTS, ASSIGNOR TO REED
& BARTON, OF SAME PLACE.

TOOL FOR ORNAMENTING SURFACES OF METALS.

SPECIFICATION forming part of Letters Patent No. 225,828, dated March 23, 1880.

Application filed September 20, 1879.

To all whom it may concern:

Be it known that I, JOHN HEWITSON, of Taunton, in the county of Bristol and State of Massachusetts, have invented a new and
5 Improved Tool for Ornamenting Metal Surfaces; and I do 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, in which—

10 Figure 1 is a side, and Fig. 2 a face, view of the improved tool.

This invention relates to the construction of a tool for producing a finish upon metal surfaces, which I designate a "silver-finish;" and
15 it consists of a tool adapted to be placed in a lathe, and whose working-face is composed of a brush of metallic wires evened at the ends and provided with a center of wood or other substance, as hereinafter described.

20 In the drawings, A represents the tool, which is constructed so as to be held in a lathe. B is the metal-wire brush, the inner ends of the wires of which brush are embedded in a soft-metal head or otherwise fixed in
25 place, and the other ends of which wires are made even and smooth. In the center of the bundle of wires, and appearing at the face of the brush, is a center, *a*, made of wood or other
30 material, which is fixed rigidly in the brush-head, and whose outer face is flush with the

outer ends of the wires, so that when the brush and its center revolve together the said center constitutes, when the brush is placed against the object to be ornamented, a centralizing bearing for the brush, to cause its
35 wires to act concentrically on the surface to be ornamented.

In making use of the tool it is placed in the lathe-chuck and rotated, and the metal surface to be finished is then brought against
40 the face of the brush. The effect produced is to score a series of diversified forms or indents upon the metal surface, making a new finish, which I call "silver-finish."

45 In defining my invention more clearly, I would state that I am aware that a wire brush arranged to rotate on an axis more or less parallel with its wires is not new as a tool for ornamenting metal surfaces, and I therefore only
50 claim such a brush when provided with a centering bearing, *a*, as described.

Having thus described my invention, what I claim as new is—

55 A tool having a working-face composed of the evened ends of a wire brush provided with a central bearing-point, *a*, substantially as and for the purpose described.

JOHN HEWITSON.

Witnesses:

THEO. P. HULL,
B. R. PIERCE.