

W. H. BUSH.

Devices for Plating Screws.

No. 148,409.

Patented March 10, 1874.

fig 1.

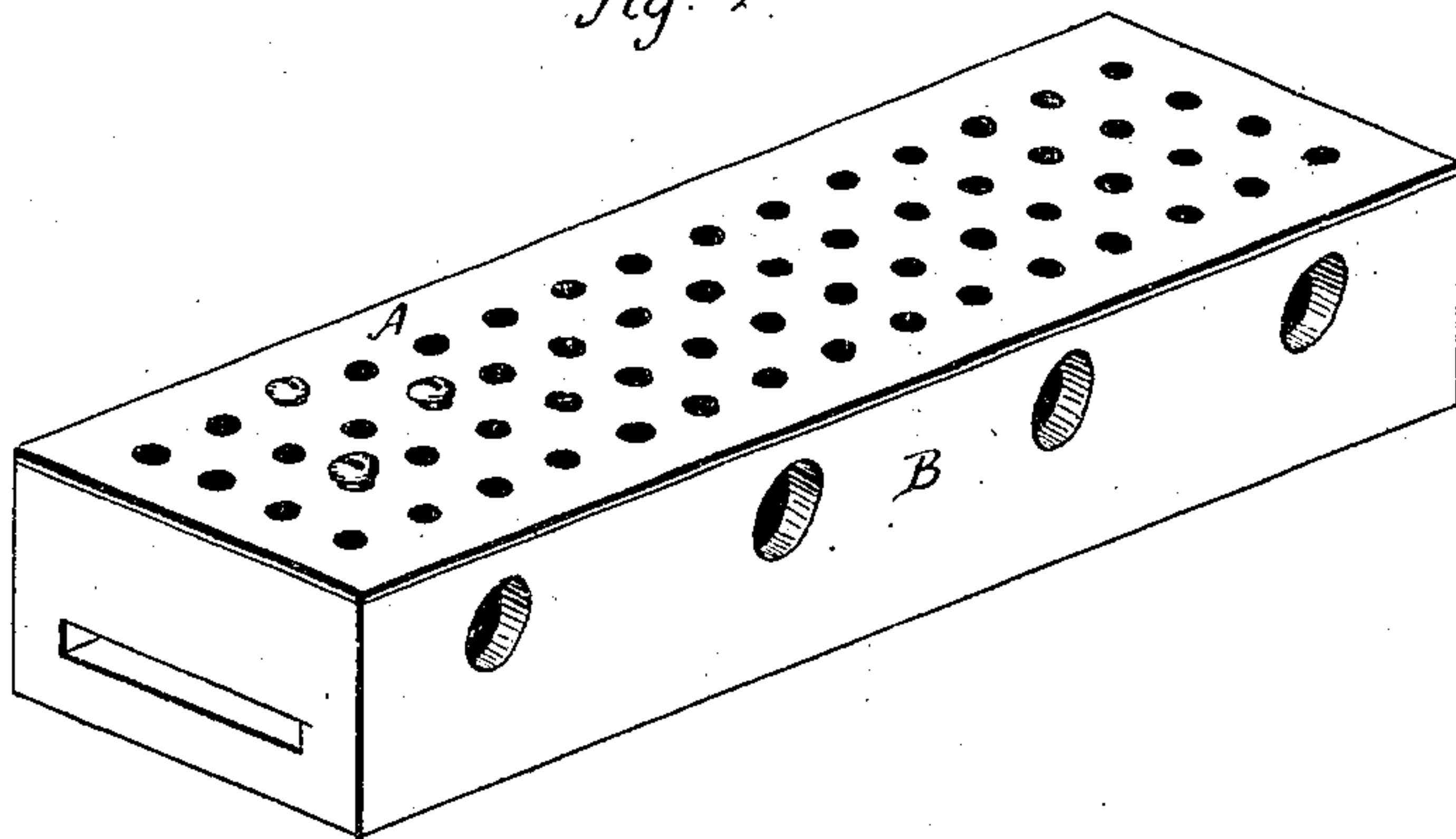
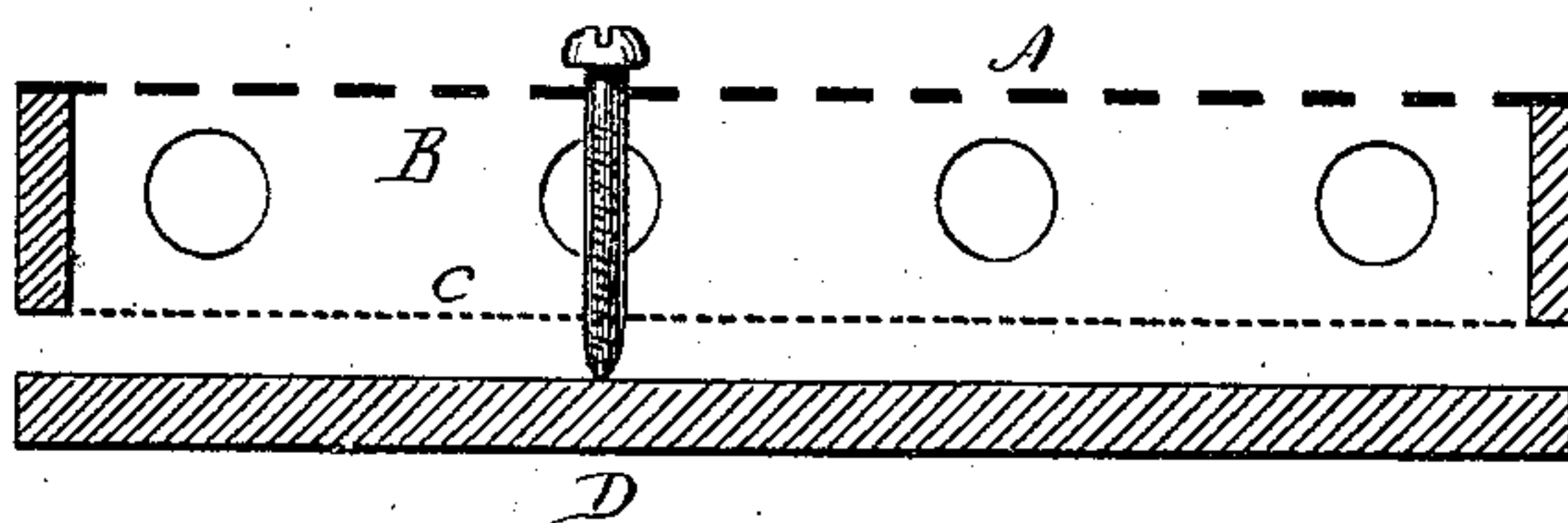


fig 2.



Witnesses.

W. H. Shugrue  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. BUSH, OF NEW HAVEN, CONNECTICUT.

## IMPROVEMENT IN DEVICES FOR PLATING SCREWS.

Specification forming part of Letters Patent No. **148,409**, dated March 10, 1874; application filed February 26, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM H. BUSH, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Device for Plating Screws; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view, and in Fig. 2 a longitudinal central section.

This invention relates to a holder for electroplating screws, being a modification of the invention for which an application for patent was filed by me January 28, 1874; the object being to prepare the screws for plating, plate the screws, (heads and bodies,) and burnish the heads in the same holding device. The invention consists in a box, one side of which is a metal plate perforated to receive the screws, and its other sides open to admit the fluid in the bath to flow freely therein, combined with a net-work of wire substantially parallel with the perforated surface, so that the screws inserted through the said perforations will enter the meshes in the net-work and be held in position in said box, so that the heads and bodies are exposed for action in the bath preparatory to or in process of plating and in process of finishing, all as more fully herein-after described. By the title "screws" I wish to be understood as embracing all articles of a like character, as rivets, tacks, &c.

A is a perforated plate, preferably of thin metal, forming one side of a box; the other sides B, one or all of them, perforated or made open, so as to afford a free communication from the outside, beneath the perforated plate A. Within the box, and substantially parallel with the perforated plate A, is a net-work, C,

of wire or other material, or it may be a thin perforated plate.

The screws are passed through the perforations in the plate A, and, striking the net-work C, are turned into the meshes until held firmly in place; the box preferably constructed so that the points of the screws will strike the side D of the box opposite the perforated plate A, as seen in Fig. 2, before the heads strike the surface of the perforated plate A; hence the screws will be held with their heads above the plate A.

The screws to be plated are introduced through the perforations, as before described, and then submitted to the cleansing process, when that is necessary, preparatory to plating. The holder, with the screws, is then immersed in the bath, with the usual connections for galvanic action, and the metal coating deposited upon the whole surface of the screws by such galvanic action; then the holder is removed from the bath and the heads of the screws in the holder may be successively burnished while still in the holder, and when complete removed for use.

If the sides of the holder, other than the side A, are made of wood, they should be coated with some material or varnish to protect them in the bath, and prevent the fluid from penetrating the wood.

I claim as my invention—

The herein-described holder for plating screws, consisting of a box, one side, A, of which is a perforated metal plate, and within which is a woven or perforated plate, C, to engage the screws when the said holder is opened, so as to expose the bodies of the screws, substantially as set forth.

WM. H. BUSH.

Witnesses:

A. J. TIBBITS,  
J. H. SHUMWAY.