

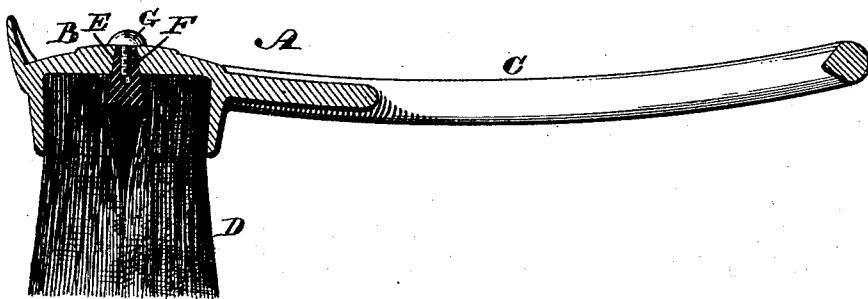
(No Model.)

H. L. NELMS, Jr.  
BLACKING BRUSH OR DIP.

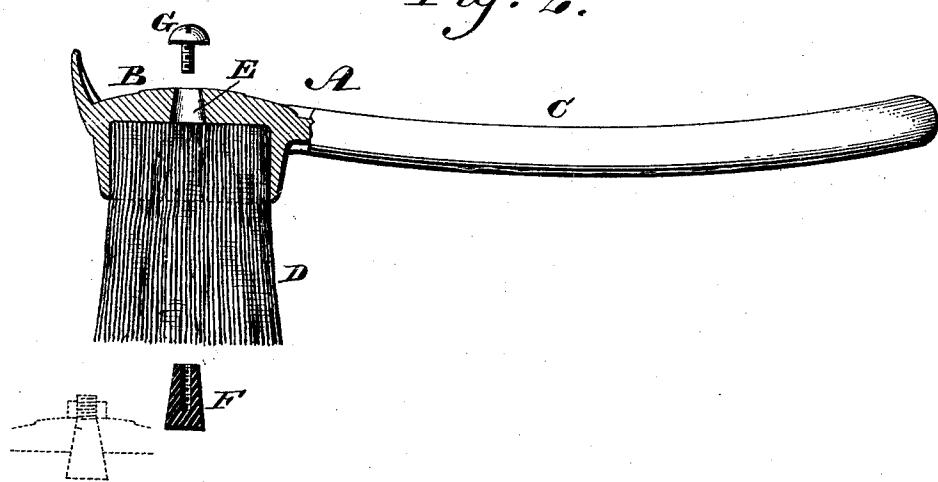
No. 453,021.

Patented May 26, 1891.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY L. NELMS, JR., OF PHILADELPHIA, PENNSYLVANIA.

## BLACKING BRUSH OR DIP.

SPECIFICATION forming part of Letters Patent No. 453,021, dated May 26, 1891.

Application filed July 16, 1890. Serial No. 358,901. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY L. NELMS, Jr., a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Blacking Brushes or Dips, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a blacking brush or dip having novel means for securing the bristles to the head thereof, as will be hereinafter fully set forth.

The figures represent partial side elevations and partial longitudinal sections of blacking brushes or dips embodying my invention, the securing devices being shown separated in Fig. 2.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings, A designates a blacking brush or dip consisting of a socketed head B, formed of a top plate with a depending flange, handle C, and a bunch of bristles D, which parts, excepting where the features of my invention are applied to the same, are of well-known construction.

In the head B is a tapering or conical opening E to receive a tapering or conical plug F, which latter is passed through the bunch of bristles D from below and inserted in the head B. In the plug is a threaded opening receiving a screw G, whose head bears against the portion of the head B around the wall of the opening E. It will be seen that when the bristles are in position and the plug and screw located, the latter is tightened, whereby the plug is drawn into the opening E and through the inner end of the bunch of bristles, thus compressing said end against the wall of the socket of the head. As the plug is controlled by the screw G, its displacement is prevented, and thus the bristles are firmly and reliably held in position. When the bristles are worn, they may be displaced by

loosening and removing the screw G, after which a fresh bunch may be applied and secured to the head by means of the plug and screw, as in the previous case. As the plug fills the opening E and the screw has its head overlapping the wall of said opening, the blacking is prevented from being forced through or escaping from said opening at the top thereof.

In practice the handle and head are made integral, of metal, so as to be adapted for further use, the bristles being renewed as occasion requires, such construction being strong, durable, and inexpensive.

The plug is preferably made of wood, in which case the threaded opening may be formed when the screw is driven thereinto, and it is evident that a nail or tack may be employed in lieu of the screw for securing the plug in position in the head of the brush.

If desired, the plug may have a screw-stem at top for engagement of a nut for holding said plug in position, as will be seen by the dotted figure at the left of the plug shown in Fig. 2.

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

A socketed head provided with a laterally-projecting handle and formed of a top plate with a depending flange, said plate having a conical opening and receiving a conical plug, whose lower portion is within the bunch of bristles and whose upper part contains a screw, the head whereof is outside of said plate and bears against the top plate around the wall of the opening therein, the top plate, flange, and handle being integral, of metal, and all parts combined substantially as described.

HENRY L. NELMS, JR.

Witnesses:

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WM. C. WIEDERSHEIM.