

E. X. THIERCELIN.
Paint-Brushes.

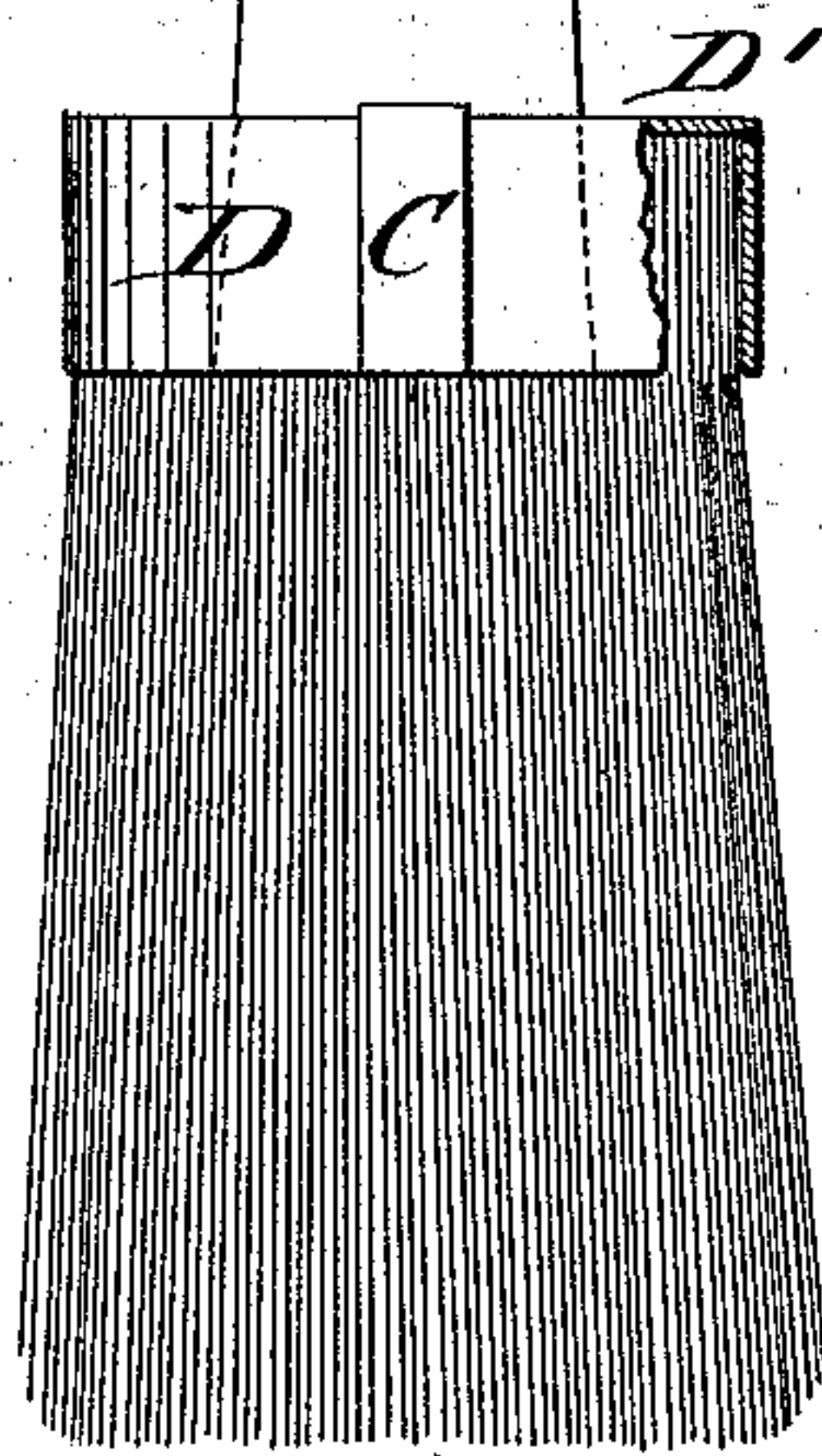
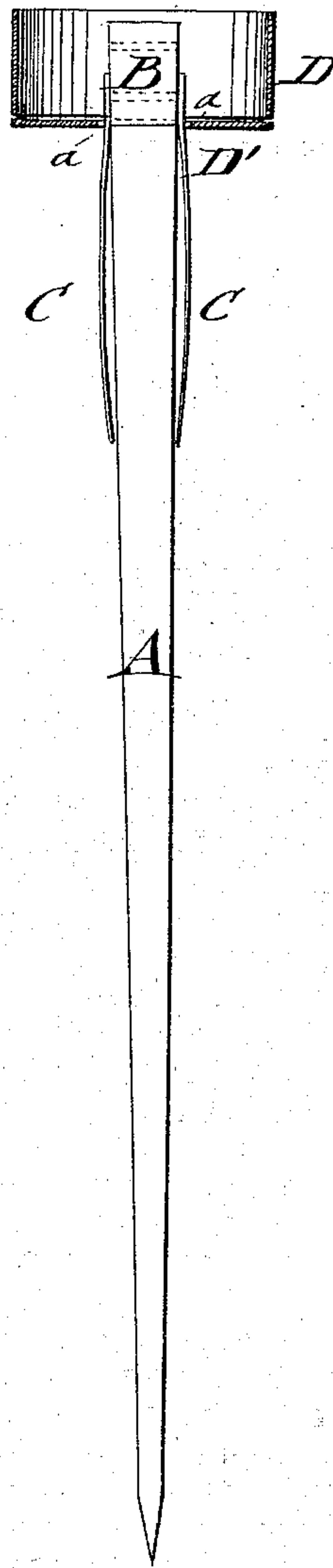
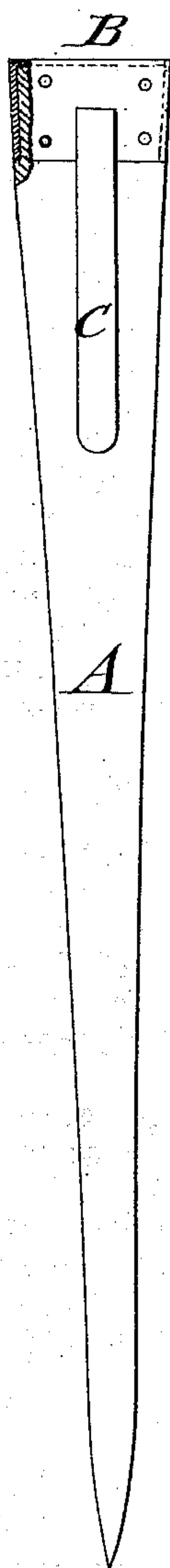
No. 156,961.

Patented Nov. 17, 1874.

Fig: 1.

Fig: 2.

Fig: 3.



WITNESSES:

Chas. Nield
Bedgwick

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

ETIENNE X. THIERCELIN, OF SHARK RIVER, NEW JERSEY.

IMPROVEMENT IN PAINT-BRUSHES.

Specification forming part of Letters Patent No. **156,961**, dated November 17, 1874; application filed July 3, 1874.

To all whom it may concern:

Be it known that I, ETIENNE X. THIERCELIN, of Shark River, in the county of Monmouth and State of New Jersey, have invented a new and Improved Brush, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view of my improved brush; and Figs. 2 and 3, detached side views of the handle, showing mode of connection with the outer brush-socket.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements in the manufacture of brushes, by which the connection of handle and bristle-binding socket part is made in a strong and durable manner.

My invention consists of a tapering handle with metallic socket, connected by guide strips or prongs of the same with the top and side part of the outer bristle-binding socket, after the handle has been carried centrally through the bristles.

In the drawing, A represents the tapering handle of my improved brush, made of round, rectangular, or other suitable shape, and provided with a metallic tapering end socket, B, riveted to the larger end of the handle-stem, for forming the central binding part of the brush. Metal strips or prongs C are soldered or otherwise applied to the sides of socket B, and bent slightly toward the handle in such a manner that they may be readily carried with the handle through the center of the bristles and the encircling socket D without forming an obstruction thereto. The socket D is made of round, oval, or rectangular or other shape, according to the style of brush to be produced,

and provided with a separate cap-plate, D', which is centrally recessed for the handle A, and arranged with small side recesses *a*, for the passage of the side strips. When the handle is carried centrally through the bristles and cap-plate, the strips C are bent over from their longitudinal position along the handle, and are firmly soldered or otherwise connected to the cap-plate and sides of the socket for producing in this manner the intimate and strong connection of handle, bristles, and outer socket.

The inner and outer bristle-binding sockets resist the influence of moisture, and secure the bristles rigidly between them, furnishing thereby a superior, strong, and solid brush construction.

The cap-plate or disk D' of the bristle socket or ferrule D is secured in position by means of the metal strips C, that serve to hold the handle in place.

The adjoining edges of the disk or cap-plate and the socket may also be soldered or otherwise secured together, if desired.

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

As an improvement in the manufacture of brushes, the combination of a tapering handle, having end socket and side strips attached thereto, with the outer bristle-binding socket D D', constructed and arranged substantially in the manner and for the purpose set forth.

ETIENNE X. THIERCELIN.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.