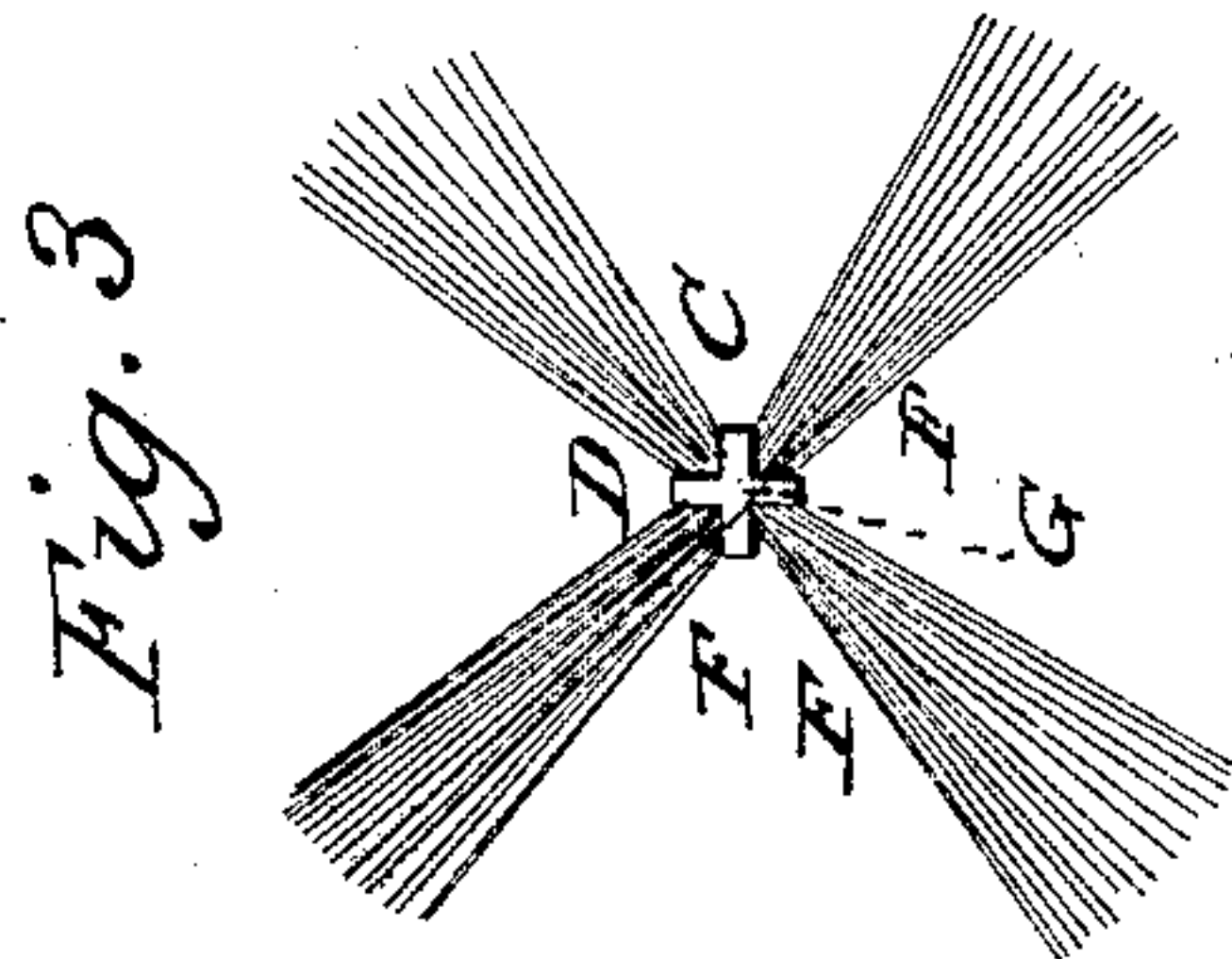
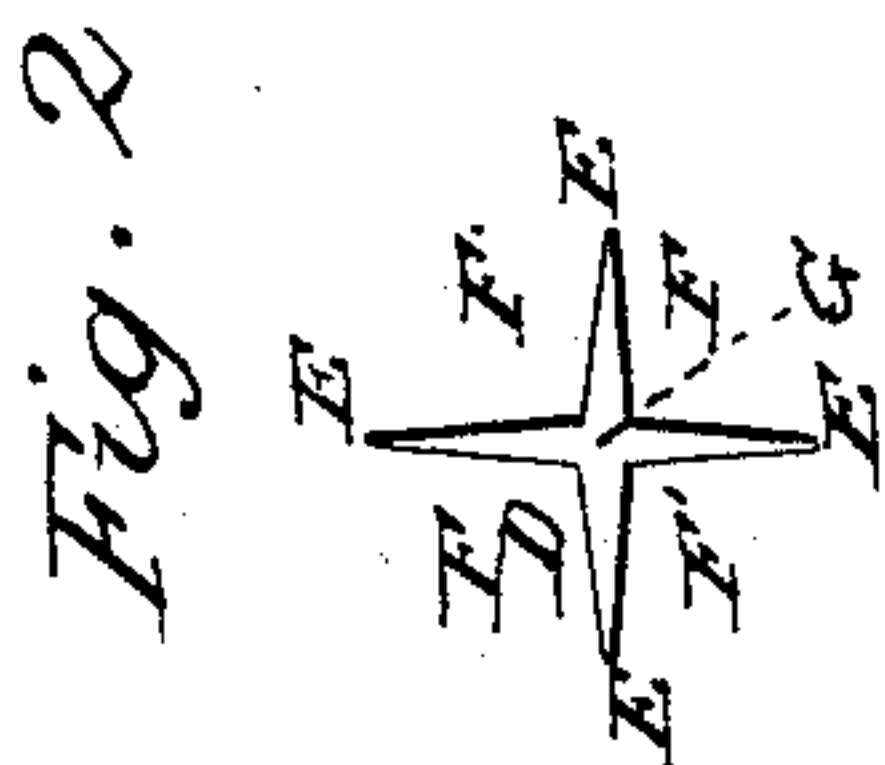
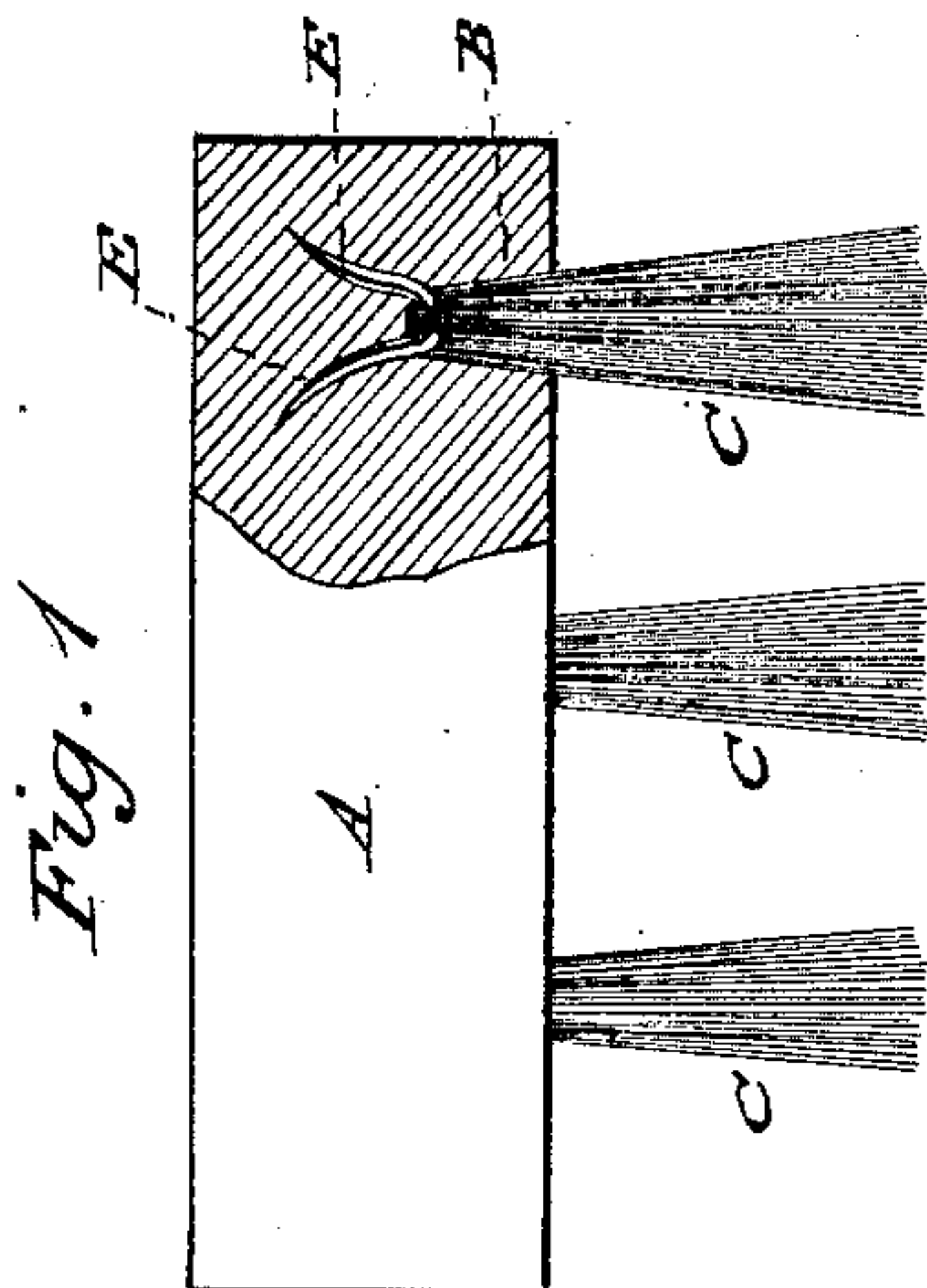


WILKINS & ROGERS.

Making Brushes.

No. 62,460.

Patented Feb. 26, 1867.



Witnesses:

J. A. Service
Theo. Tusch

Inventors:

M. P. Wilkins
C. D. Rogers
Per *[Signature]*
Attorney

United States Patent Office.

M. P. WILKINS AND CHARLES D. ROGERS, OF JERSEY CITY, NEW JERSEY.

Letters Patent No. 62,460, dated February 26, 1867.

IMPROVEMENT IN THE MANUFACTURE OF BRUSHES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, M. P. WILKINS and C. D. ROGERS, of Jersey City, in the county of Hudson, and State of New Jersey, have invented a new and useful Improvement in the "Manufacture of Brushes;" and we 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.

The present invention relates to the manner of securing the bristles constituting the brush to and in their holder, and for this purpose it consists in using for each bunch or cluster of bristles a metallic cap, having a series of elongated prongs, sharpened or pointed at their outer ends, by means of which cap, after the bristles have been properly inserted or placed in it, they can be driven into and secured in the socket of the holder, whereby they are made to assume or are brought to the proper and desired bunch shape, as will be obvious from the following detailed description of the same, reference being had to the accompanying plate of drawings, in which—

Figure 1 is an end view of the holder or block of a brush, with it broken out at one part to show the prong-cap or mode of fastening a bunch or cluster of bristles therein.

Figure 2, a view of the cap, with its prongs spread out; and

Figure 3, a view of the same, in shape for receiving the bristles, which are shown by red lines as placed therein.

Similar letters of reference indicate like parts.

A, in the drawings, represents the holder or block of the brush in sockets B, of which the bristles are to be secured in bunches or clusters C, of uniform size and shape, or nearly so; D, the metallic caps used, having a series of elongated prongs, E, sharpened or pointed at their outer ends, with spaces F between the several prongs. Between the prongs E, under the head portion, G, of the metallic cap D, the bristles are laid, passing through the spaces between the prongs, across from one side to the other, and so as to project from the same equally or nearly so. The metallic cap, provided with bristles, as above described, for a representation of which more particularly see fig. 3 of the drawings, is then placed by the sharpened end of its prongs into one of the sockets of the holder, when, driving the same through such socket and into the inner closed end of the same, such bristles are thereby firmly secured to the holder or block, and also at the same time are made to assume or are brought to the desired or proper bunch or cluster form, as shown in fig. 1 of the drawings. If it is desirable that the prongs of the metallic cap should spread or open out from each other as they are driven into the holder or block of the brush, as has been above explained, it is only necessary to bend or curve the outer ends of the prongs sufficiently to cause them to spread as they first enter the wood; but we wish it to be here understood that we do not intend to limit ourselves to any one particular size, shape, or length of prongs to the cap, nor to any one particular number of the same.

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

In the manufacture of brushes, the pronged cap D, made of metal or other suitable material, substantially as and for the purpose described.

M. P. WILKINS,
CHAS. D. ROGERS.

Witnesses:

J. REMSEN ONDERDONK,
ISAAC B. CULVER.