

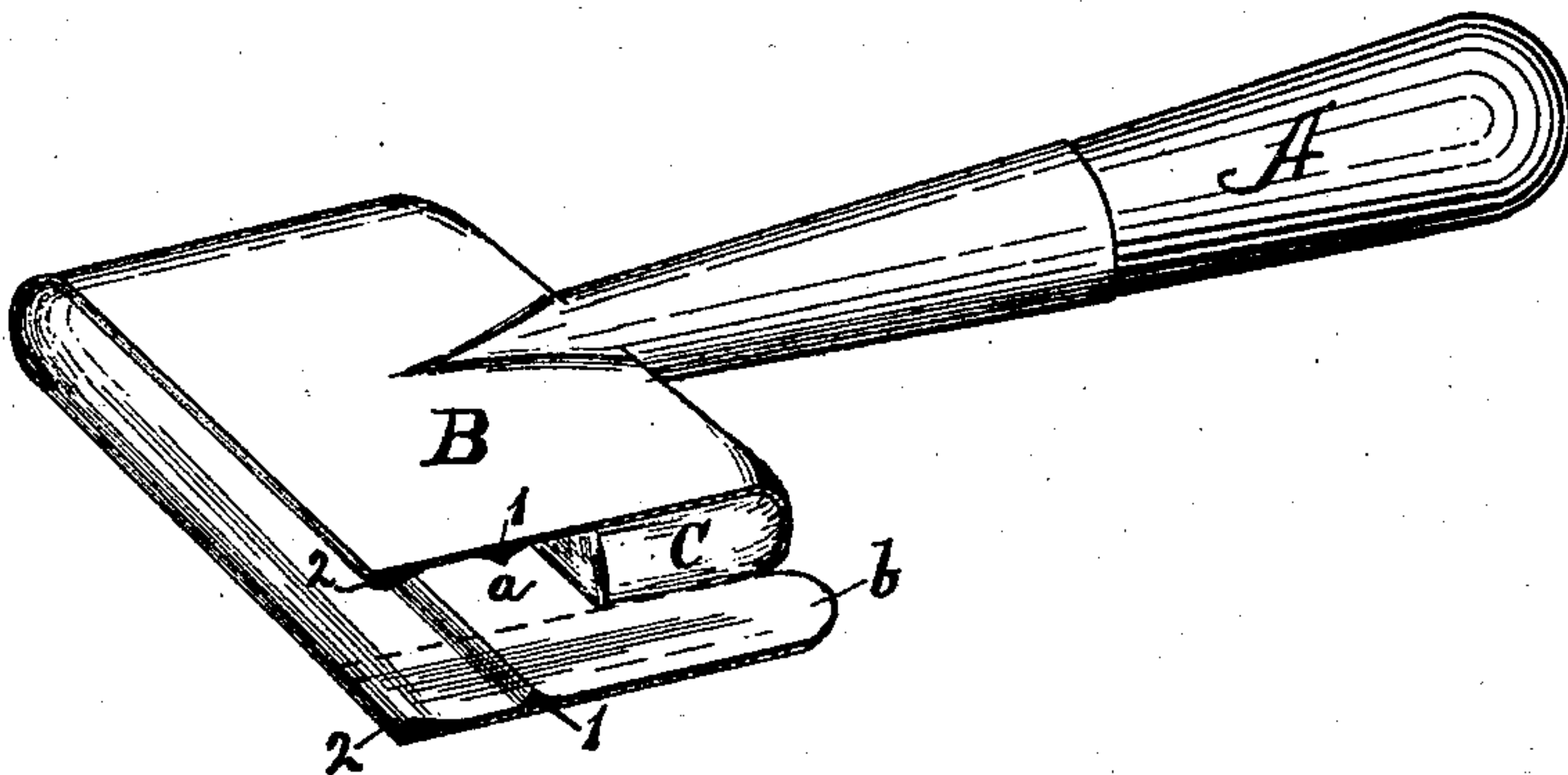
(No Model.)

F. CONSENE.  
BRUSH.

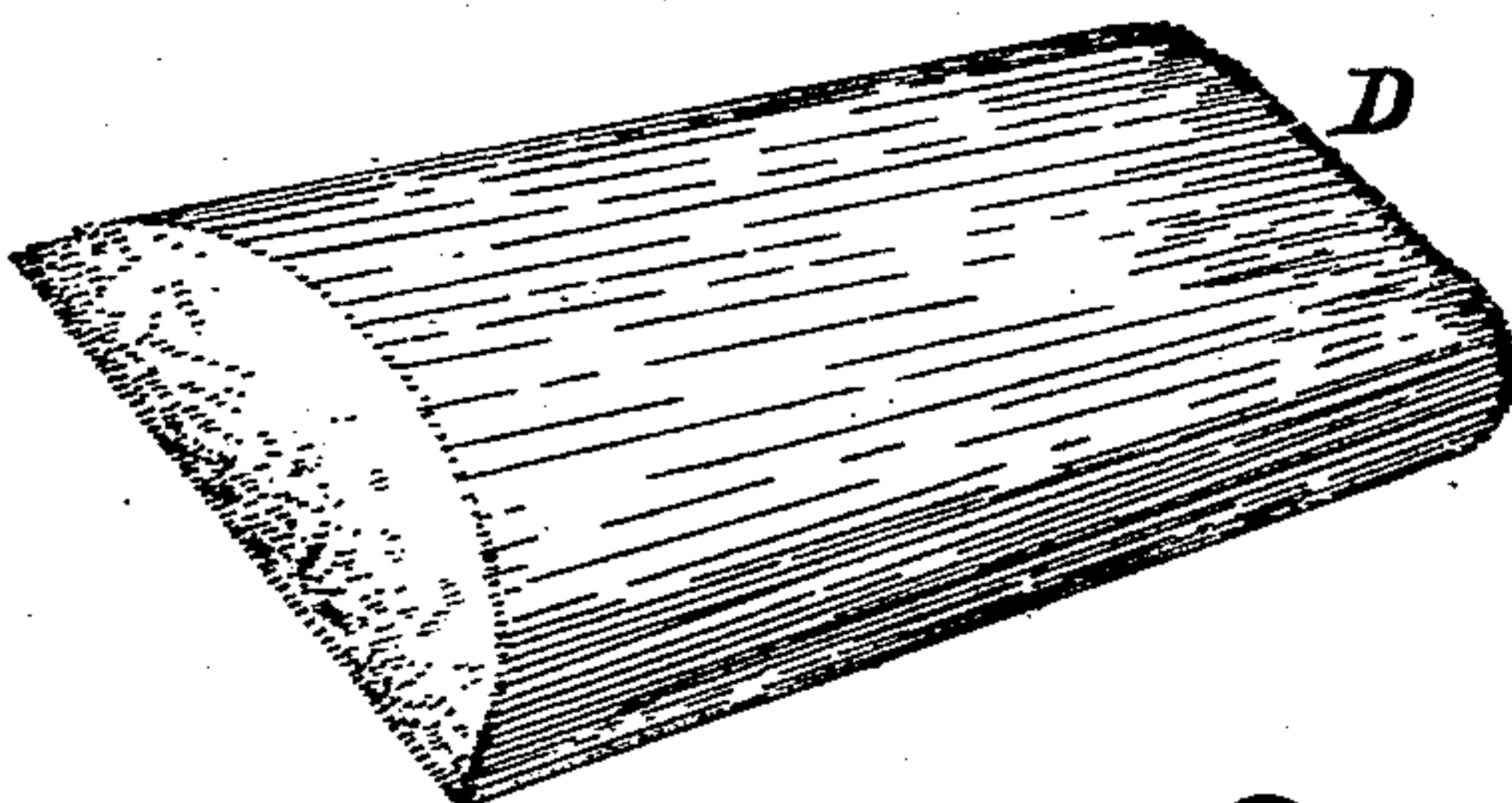
No. 455,740.

Patented July 14, 1891.

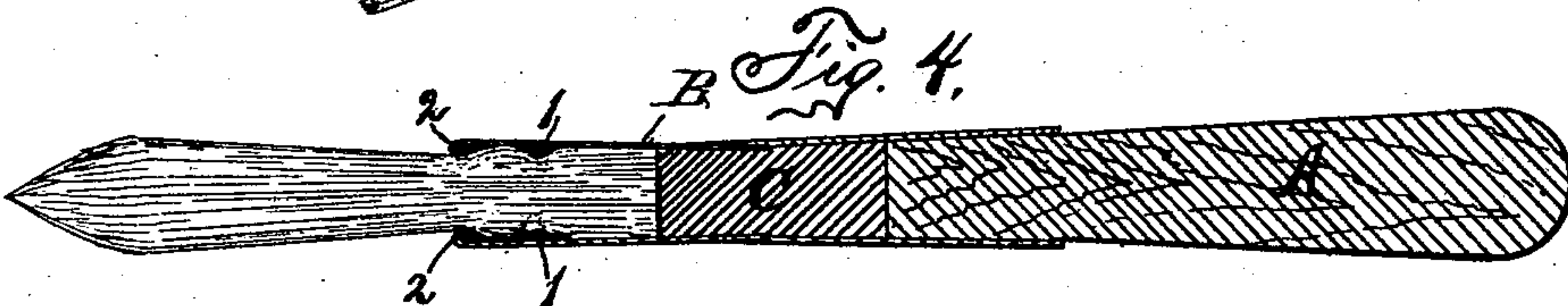
*Fig. 1.*



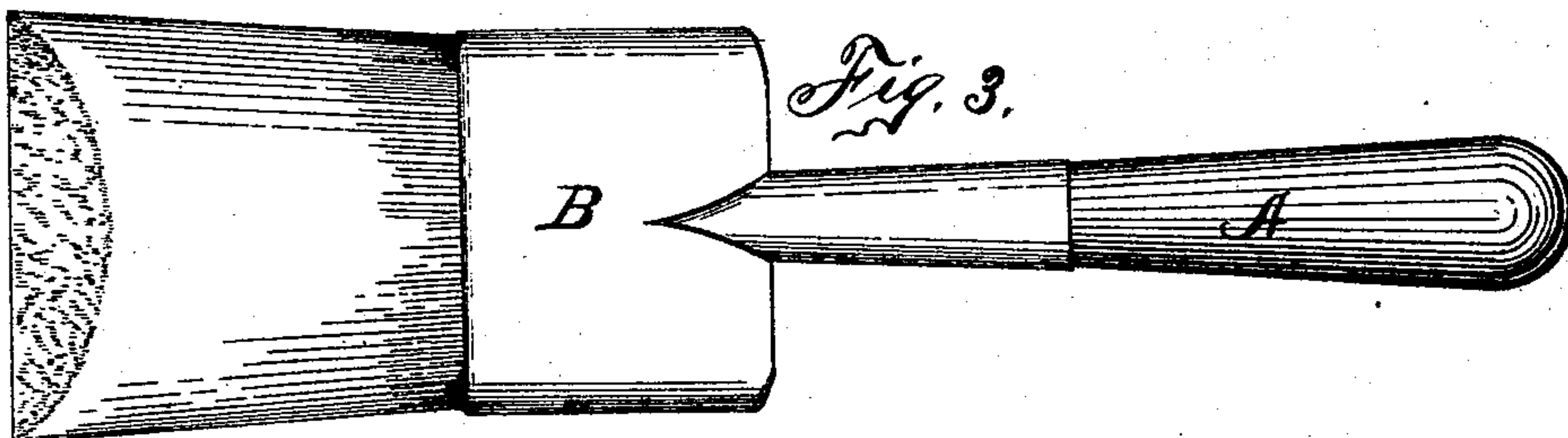
*Fig. 2.*



*Fig. 4.*



*Fig. 3.*



Witnesses

C. B. Kline  
H. A. Carhart

Fordice Consene Inventor

By his Attorneys

Smith & Demann

# UNITED STATES PATENT OFFICE.

FORDICE CONSENE, OF WATERTOWN, NEW YORK.

## BRUSH.

SPECIFICATION forming part of Letters Patent No. 455,740, dated July 14, 1891.

Application filed February 10, 1891. Serial No. 380,873. (No model.)

*To all whom it may concern:*

Be it known that I, FORDICE CONSENE, of Watertown, in the county of Jefferson, in the State of New York, have invented new and  
5 useful Improvements in Brushes, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to the construction and  
10 process of constructing brushes.

My object is to deduct a process and produce a device for holding the bristles or hair of the brush without the use of rivets, by constructing an annular gripping-piece upon the  
15 inner face of the socket, cheap in construction and of great utility.

My invention consists in the several novel steps of process and in the several novel features of construction hereinafter described,  
20 and which are specifically set forth in the claim herein annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is an isometrical view of the brush-  
25 socket with one edge left open for the insertion of the hair or bristles, and showing the annular gripping-piece. Fig. 2 is a view of the bunch of hair cemented or secured together preparatory to being inserted into the  
30 socket. Fig. 3 is a plan view of the brush complete. Fig. 4 is a longitudinal section through the brush and handle.

A is the handle of the brush, having a socket B secured thereto for the reception of the bristles, and C is a filler of wood, pulp, or  
35 other material, located between the handle and the hair or bristles, to give strength to the brush. Upon the inner face, as shown in Figs. 1 and 4 of the socket, I construct an annular inwardly-projecting gripping-piece 1  
40 and a similar one 2 at the outer end of the socket. The hair or bristles are first prepared by cementing or otherwise securing them together at their inner end D, as shown in Fig. 2, then forcing them into the socket  
45 at the opening *a*, upon the inner edge thereof. After this I press the socket close about the hair, so that the gripping-piece will firmly hold it. I then fold over the part of the  
50 socket *b*, which has been left open, and solder it, which makes the socket complete.

What I claim is—

The herein-described process for manufacturing brushes, consisting in the combination of the socket B, having an annular gripping-  
55 piece 1, substantially as described, for the purpose set forth.

In witness whereof I have hereunto set my hand this 2d day of February, 1891.

FORDICE CONSENE.

In presence of—

JOHN C. DELAHANT,  
JOHN CONBAY.