

(No Model.)

J. F. BARTLETT.

BRUSH.

No. 258,874.

Patented June 6, 1882.

Fig. 1.

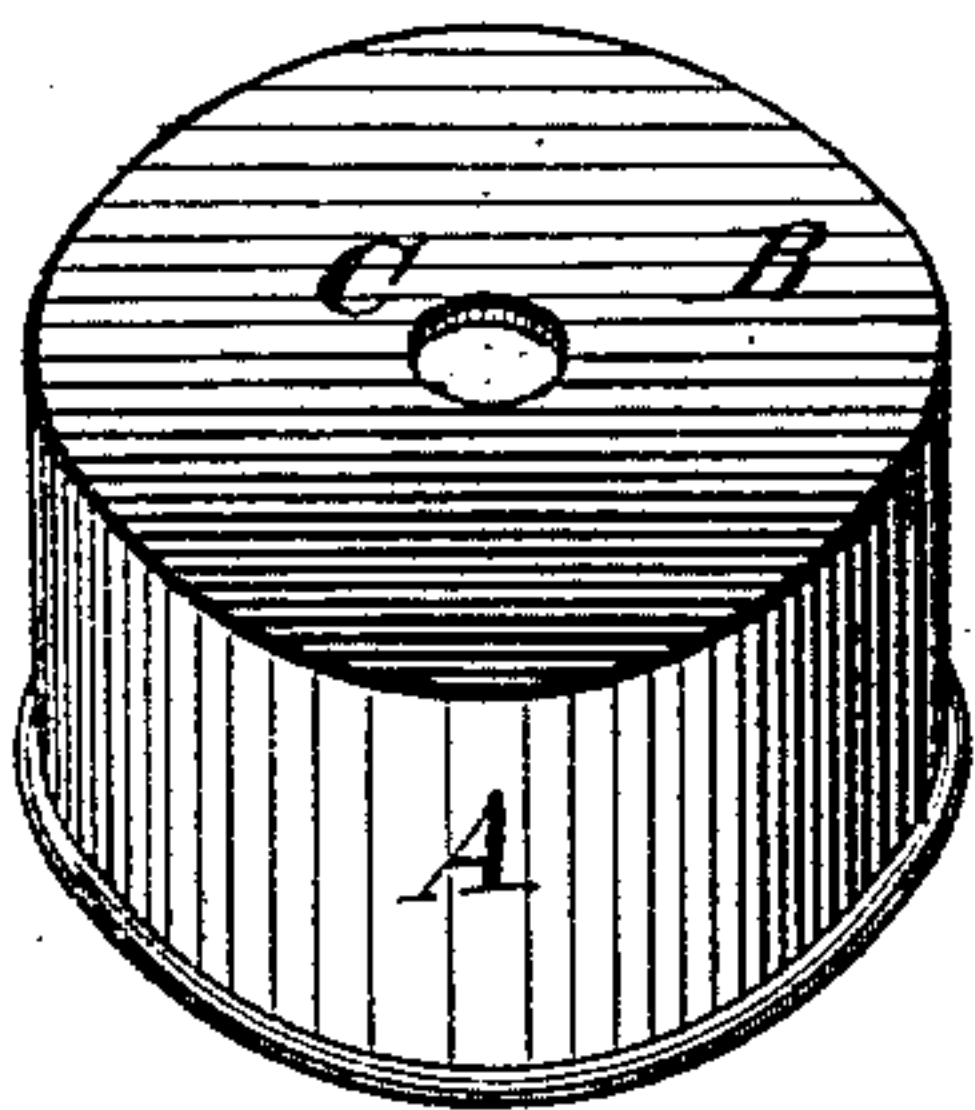


Fig. 2.

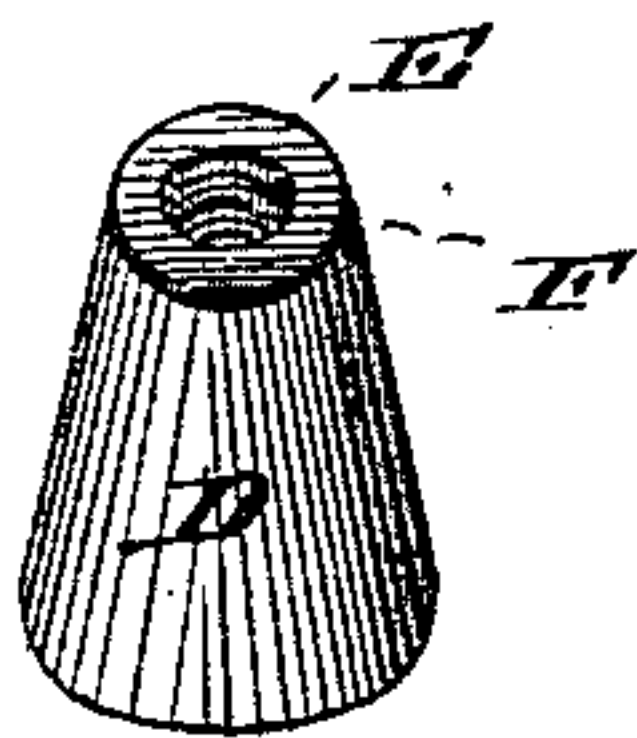


Fig. 3.

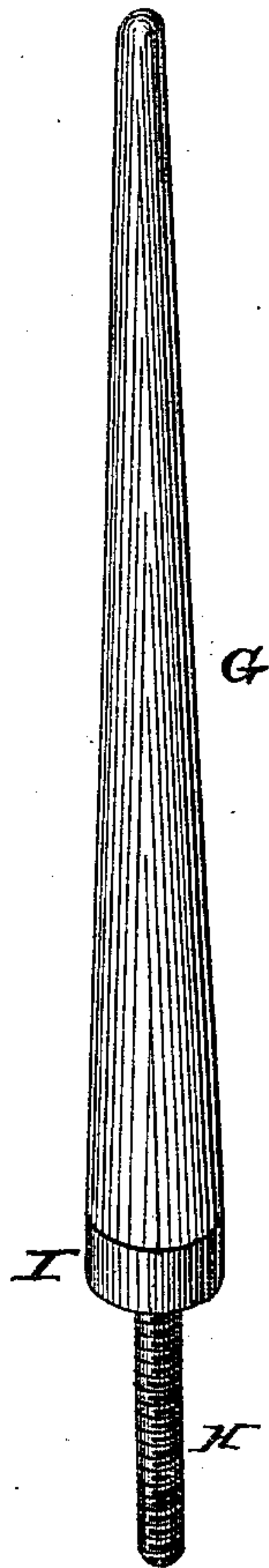
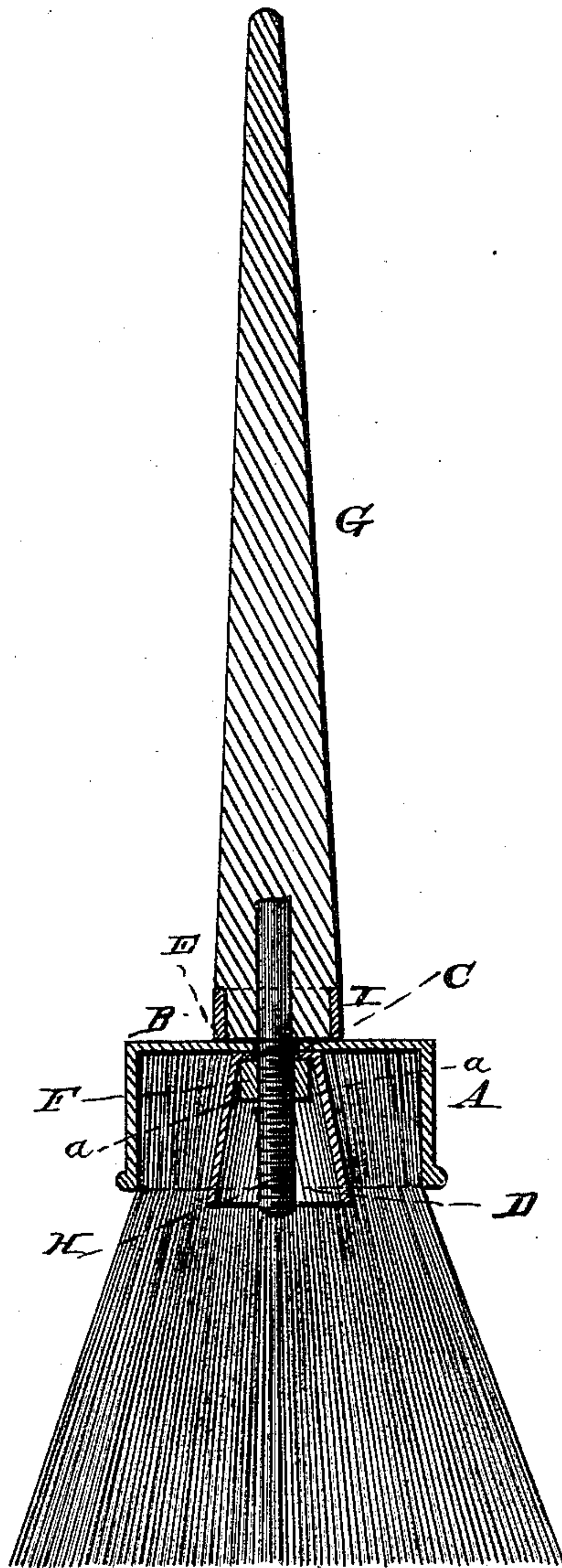


Fig. 4.



WITNESSES :

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UNITED STATES PATENT OFFICE.

JAMES F. BARTLETT, OF CLEVELAND, OHIO.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 258,874, dated June 6, 1882.

Application filed March 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. BARTLETT, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and
5 useful Improvements in Brushes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings,
10 which form a part of this specification.

Figure 1 is a perspective view of the band or clamp. Fig. 3 is a perspective view of the handle. Fig. 2 is a perspective view of the
15 wedge, and Fig. 4 is a longitudinal sectional view of the brush complete.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to that class of brushes
20 in which the bristles are secured to the handle by means of a band and wedge, so that they may be readily removed and renewed whenever necessary; and it consists in the improved construction and combination of
25 parts, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents a metallic socket, mainly cylindrical in shape, and of suitable size to receive the required quantity of bristles. The head or end
30 B of said socket has a centrally-located opening, C.

D is a conical shell, the end of which has a screw-threaded opening, E, re-enforced by a
35 nut, F, soldered or otherwise secured in said shell in such a manner as to leave spaces *a* between the sides of the nut and the shell, as shown in Fig. 4.

G is the handle, which is provided at its
40 butt or end with a projecting screw, H, firmly secured by a ferrule, I, which also serves to prevent the handle from splitting.

In operation the socket A is first filled with bristles. I then pass a rod or wire through the
45 opening C and up through the bristles, and

adjust upon said rod the cone or wedge D, which may thus be guided to its proper position centrally amid the bristles. I then withdraw the guide-rod and insert the screw H at the end of the handle until it takes in the
50 threaded perforation in the end of the wedge. The latter may then, by simply turning the handle, be forced into the socket A, where the bristles are thus securely clamped and held.

When necessary the nut F may be grasped
55 with a pair of pinchers, or some other suitable tool, so as to cause the wedge or shell D to be held securely and tightly while the handle is being attached or unscrewed, the spaces *a* affording sufficient hold for such pinchers or
60 other tool.

Brushes may be made flat, round, or of any desired shape by properly modifying the construction of the socket A and wedge C.

By this invention brushes may be manufactured quickly and at small expense. If by
65 wear the bristles become loosened, they may be easily tightened by turning the handle G, and thus drawing the wedge farther into the socket, and the bristles may, when worn out,
70 be easily renewed at a cost much less than that of a new brush.

Having thus described my invention, I claim and desire to secure by Letters Patent of the
75 United States—

The combination and arrangement, as herein described, of the socket A, having opening C, the wedge or shell D, in which a nut, F, is soldered or otherwise secured, spaces *a* being
80 left between the sides of the nut and said shell, and the handle G, having screw H, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES FRANCIS BARTLETT.

Witnesses:

H. C. MILLER,
JAMES HAWLEY.