

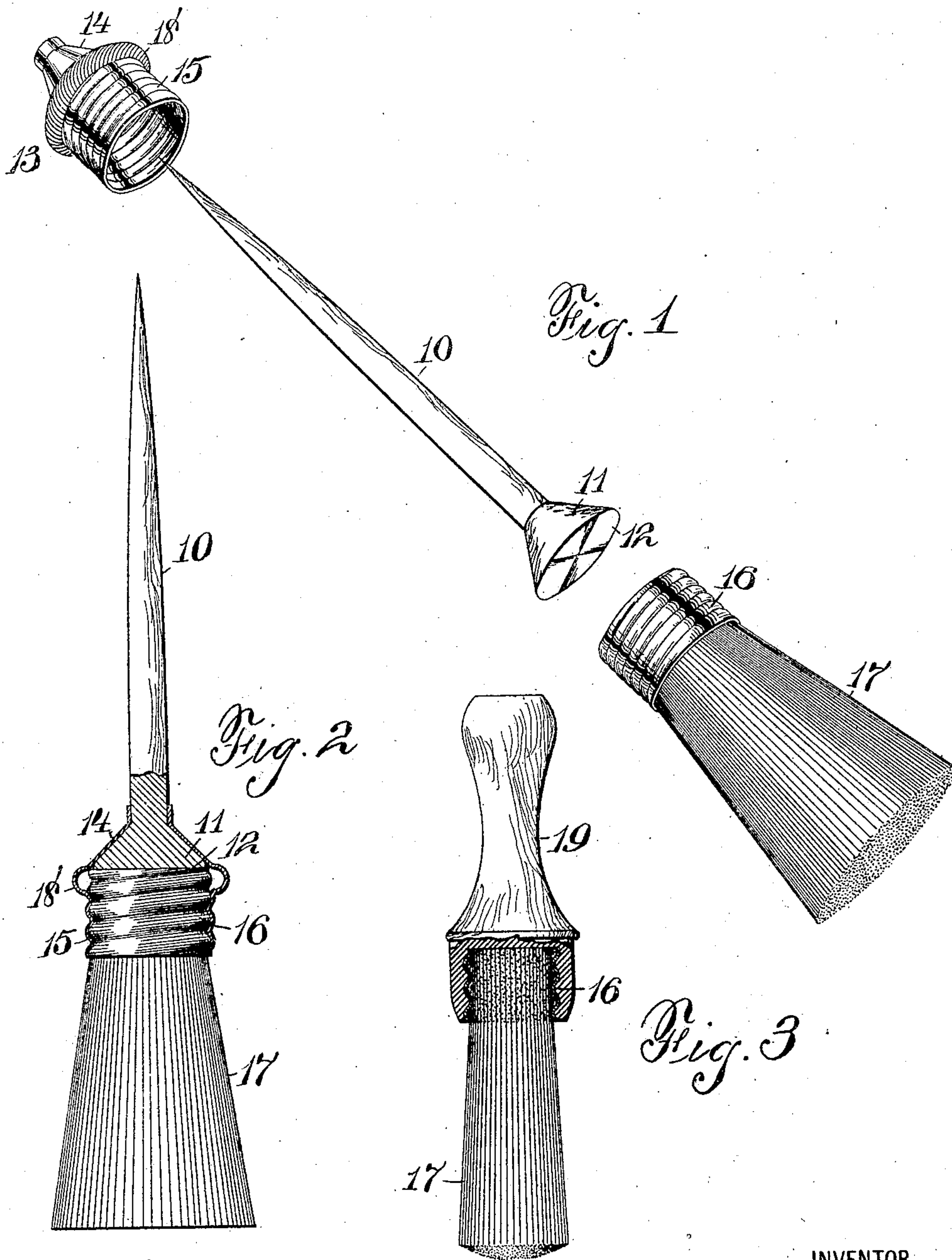
No. 878,134.

PATENTED FEB. 4, 1908.

H. V. HARDMAN.

BRUSH.

APPLICATION FILED JUNE 13, 1906.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HERBERT V. HARDMAN, OF BELLEVILLE, NEW JERSEY.

## BRUSH.

No. 878,134.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed June 13, 1906. Serial No. 321,436.

*To all whom it may concern:*

Be it known that I, HERBERT V. HARDMAN, a citizen of the United States, residing at Belleville, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Brushes, and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to a brush that comprises a handle portion and a brush portion, and means for detachably securing them together.

A new feature of this device is a joint between the two members of the brush that allows a new brush portion to be put on the handle when the old brush portion is worn out, and it also provides a ready means for cleaning the brush, and in case of a brush, such as a lather brush, it makes a more sanitary arrangement particularly as to the cleaning.

In the drawings, Figure 1 is a perspective view of the portions of the brush in their disconnected relation. Fig. 2 is a section of the same with the elements put together, and Fig. 3 is a vertical section of a modified form.

In the drawings, 10 is the handle portion which has the conical end piece 11, and has the flat bottom portion 12. A ferrule 13 slips over the handle and has the conical portion 14 to engage the portion 11 of the handle, and a screw-threaded portion 15 is arranged so that it can be engaged by the screw-threaded ferrule 16, into which the bristles 17 are set, by means now well known

in the trade, and preferably a cement or glue is used for this purpose.

A raised peripheral knurled portion 18 is provided on the ferrule 13 to give a finger grip so that the parts can be tightly screwed together. The two ferrules, in this construction, are preferably made of sheet metal, as this provides a strong structure, and is also cheap to make. When the brush portion 17 is worn out, the parts can be unscrewed and a new brush portion inserted in the old ferrule 13, and the same handle 10 can be used. On the other hand, if a handle should become broken, the whole brush does not become useless, as a new handle can be easily inserted.

In Fig. 3 I show a structure modified in form, in which the handle 19 is recessed with a screw-thread on the interior of the recess, and the ferrule 16 of the brush portion 17 screws right into this recess without any connecting medium. This is a particularly desirable structure in the case of a lather brush.

Having thus described my invention, what I claim is:—

A brush comprising a handle portion having an abruptly conical end, a sheet metal ferrule having one of its ends conical and having a screw thread spun on the other end, a brush knot, and a sheet metal screw-threaded ferrule to grasp the brush knot with its threads, the threads also receiving the threads of the ferrule to lock the handle portion in the ferrule.

In testimony, that I claim the foregoing, I have hereunto set my hand this 11th day of June 1906.

HERBERT V. HARDMAN.

Witnesses:

E. A. PELL,  
WM. H. CAMFIELD.