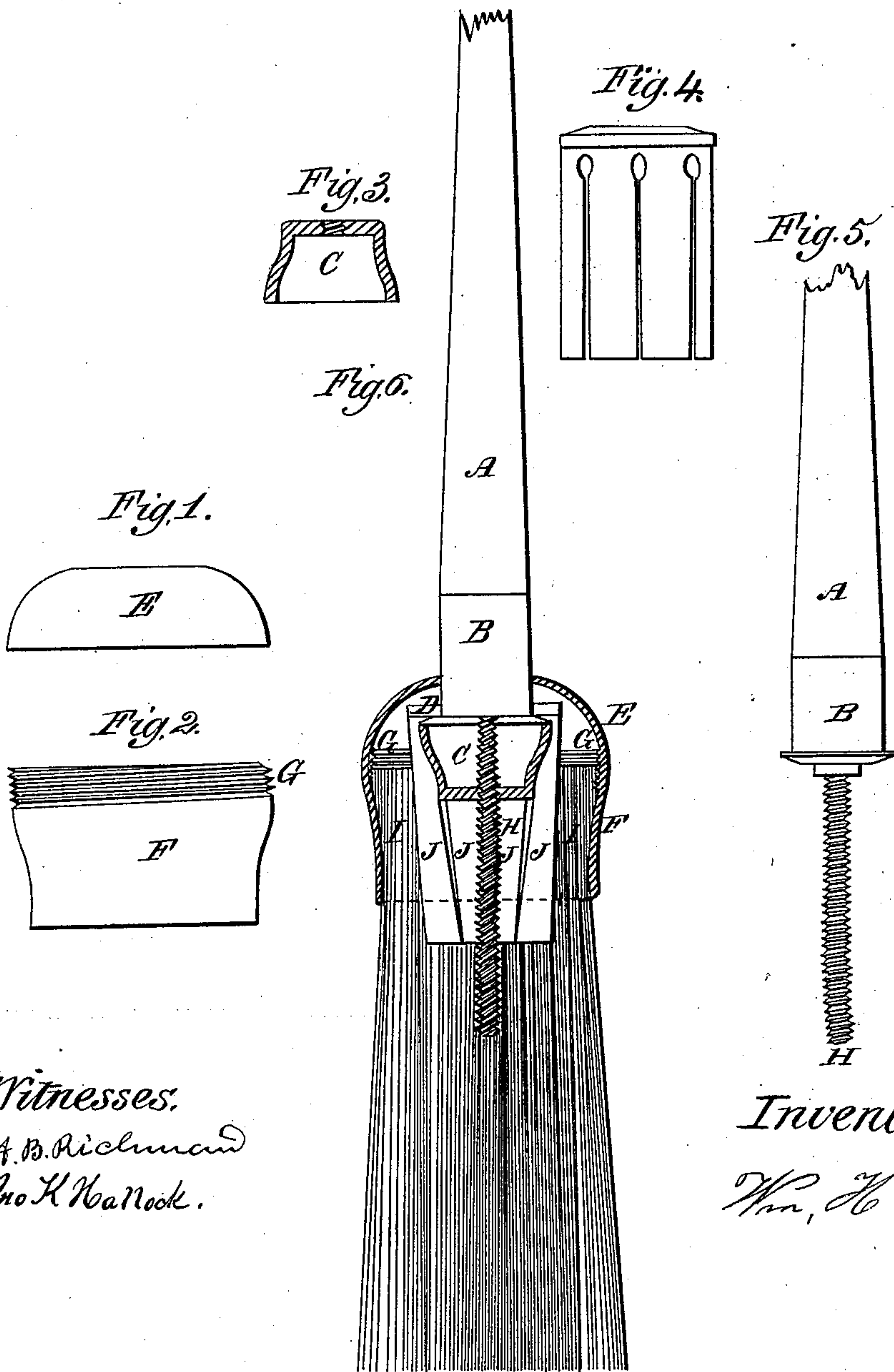


*W. H. Forster.*

*Paint Brush.*

*No 70,542.*

*Patented Nov. 5, 1867.*



*Witnesses.*

*A. B. Richmond  
Jno K Hancock.*

*Inventor.*

*W. H. Forster*

# United States Patent Office.

WILLIAM H. FORKER, OF MEADVILLE, PENNSYLVANIA.

*Letters Patent No. 70,542, dated November 5, 1867.*

## IMPROVED PAINT-BRUSH.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. FORKER, of Meadville, in the county of Crawford, and State of Pennsylvania, have invented a new and improved Mode of Attaching Bristles to the Handles of Brushes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

Figure 6 shows my invention complete, with the side nearest removed showing the internal construction of the same. In this figure, A is the handle, which fits tightly in a brass ferrule, B. Around this ferrule is a cylinder, D, with staves, J J J J. Attached in the centre of the handle A is a screw, H, which passes down the centre of the cylinder D. Working upon this screw H is a conical nut, C, which, by turning the handle A, will by means of the screw H be pressed down to the lower end of the cylinder D, and being of a conical shape will open the staves J J J J. This presses the bristles I I up against the outside cup E F, in such a manner as to hold them tightly in place. F is a ferrule, and E is a cap which is passed over the handle, and is screwed to the ferrule F by means of the screw-thread G G. These two form the outside cup E F.

Figure 5 shows the handle A with the ferrule B and the screw H.

Figure 4 shows the cylinder D with the staves J J J J.

Figure 3 shows the conical nut C in an inverted position.

Figure 2 is the ferrule F, showing the screw-thread G, and

Figure 1 is the cap E which screws down to the ferrule F, forming the outside cup E F.

The way in which I construct a brush is as follows: Take the ferrule F, fill it with bristles; then let the handle A, cylinder D, and conical nut C, be in the position shown in fig. 6; then press the staves J J J J together, and opening a place in the centre of the bristles that have been placed in the ferrule F, push the cylinder down as far as possible; then let the cap E be placed over the handle A, and screwed down; then by turning the handle A the conical nut C is shoved out to the ends of the staves J J J J, thereby, as before stated, pressing the bristles I I, and holding them firmly within the cup E F. It will be noticed that the ferrule F is smaller around at the bottom than at the top; this is done for the purpose of throwing the lower ends of the bristles together, thereby making the brush more compact, and also, so to speak, dove-tailing the bristles in, thereby holding them to place more firmly.

What I claim as my invention, and desire to secure by Letters Patent of the United States is as follows, to wit:

I claim the cap E and the ferrule F forming the cup E F, in combination with the cylinder D, with the staves J J J J, the conical nut C, and the screw H, when the same are constructed as described in the aforesaid combination for the purposes set forth.

WM. H. FORKER.

Witnesses:

A. B. RICHMOND,

JNO. K. HALLOCK, Jr.