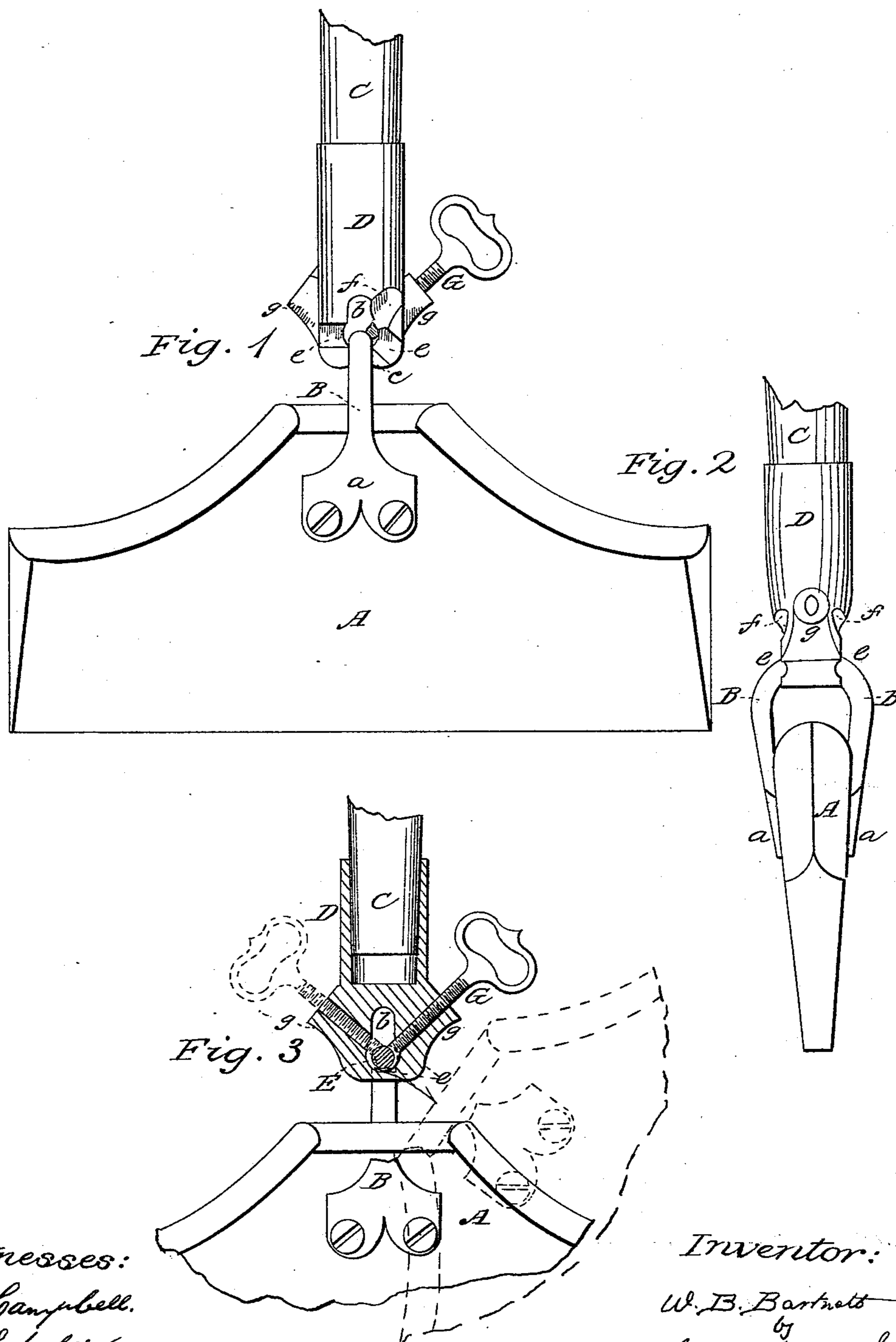


W. B. BURTNETT.

Brush Handle.

No. 64,406.

Patented May 7, 1867.



Witnesses:  
*R. T. Campbell.*  
*Edw. Schaefer*

Inventor:  
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by  
*Mason Fenwick & Lawrence*

# United States Patent Office.

WILLIAM B. BURTNETT, OF NEW YORK, N. Y.

*Letters Patent No. 64,406, dated May 7, 1867.*

## IMPROVED MEANS OF ATTACHING HANDLES TO WHITEWASH 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 I, WILLIAM B. BURTNETT, of New York city, in the county and State of New York, have invented a Device for Attaching Handles to Whitewash Brushes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view, showing a brush-block attached to a ferrule by my improved device.

Figure 2 is an edge view of fig. 1.

Figure 3 is a sectional view of the device.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a new and useful improvement on the devices for securing handles to brushes, which are described and represented in Letters Patent numbered respectively 45,907, 47,927, and 50,449, in which provision was made for adjusting the brushes and setting them at any desired angle with respect to their handles. The object of my invention is to obtain a safer and more rigid fastening than has hitherto been employed, which will not allow a brush to slip when once properly adjusted, and at the same time to provide for adjusting the brush at any angle with relation to its handle which the nature of the work to be done may require, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation. In the accompanying drawings—

A represents one form of brush-block of a whitewash brush, which may be constructed in the usual or most improved manner; B represents a loop or staple, which is made of a round rod of suitable size, bent in the form shown in fig. 2, with both ends flattened so as to receive screws through them for attaching the staple in a rigid and permanent manner to the block A, as shown in figs. 1 and 2. One of the flattened ends *a* of the staple is made much wider than the other, for receiving two or more screws through it. The narrowest end receives but one screw through it. The brush-handle or pole C is secured in a suitable manner into the socket in the ferrule D, which ferrule is constructed with an elongated eye, *b*, passing diametrically through one end, through which the staple B passes and forms a linked connection, as shown in the drawings. The eye *b* is elongated, for the purpose of receiving through it one of the flattened ends of the staple B, for attaching the ferrule to or detaching it from this staple. Grooves are made in the open-eye portion of the ferrule D, as shown in figs. 1. and 2. which are adapted for receiving the semicircular portion of the staple and forming seats or bearings therefor. The groove *c* at the bottom of the eye *b* is for receiving the staple when the brush is in the position shown in figs. 1, and 2, and 3, in black lines. The grooves *e e* at the sides of the eye are for receiving the staple when the brush is in the position indicated in fig. 3, in red lines, and the oblique groove *f*, near the upper end of the said eye, is for receiving the staple when the brush is held in a position forming an acute angle with the handle. On both of the flattened sides of the ferrule bosses *g g* are formed, which are drilled and tapped for receiving through them a thumb-screw, G. This thumb-screw passes obliquely through the solid metal surrounding the eye *b*, and impinges upon the staple B, so that by setting up the screw tightly, the staple and ferrule will be clamped firmly, and secured rigidly together. When it is desired to adjust the staple in the slot *e*, which is nearest the screw-hole in which the screw G is shown in fig. 3, this screw is changed as indicated in this figure. As that portion of the staple which passes through the eye *b* is semicircular, or nearly so, and the grooves in which this staple fits are of a corresponding form, it will be seen that the staple cannot move without rising from its seat, which is prevented by the screw G, as described. By my invention I effect the object above set forth by a very simple device, consisting of but three parts, viz, the ferrule, the screw, and the staple.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The construction of the ferrule D, with an eye, *b*, and with a series of grooves around said eye, in combination with a staple, B, and a set-screw, G, substantially in the manner and for the purpose set forth.
2. The combination of two or more screw-tapped lugs *g g*, with the open grooves *e f*, on both sides of the ferrule, and with the eye *b*, substantially as and for the purpose set forth.

W. B. BURTNETT

Witnesses:

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