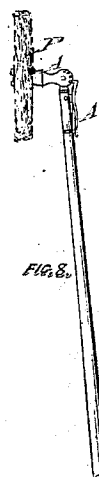
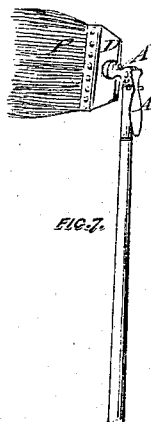
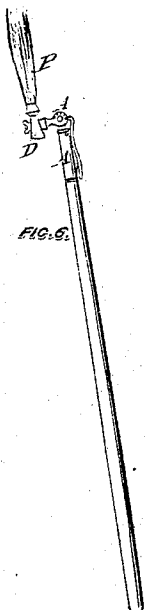
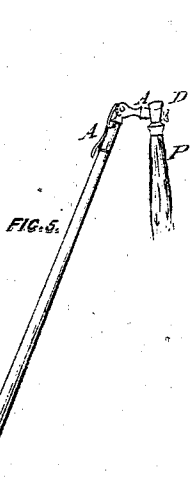
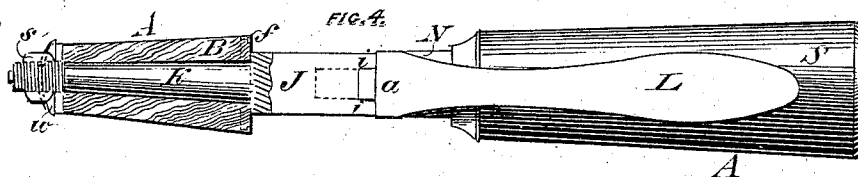
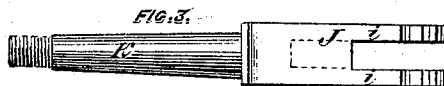
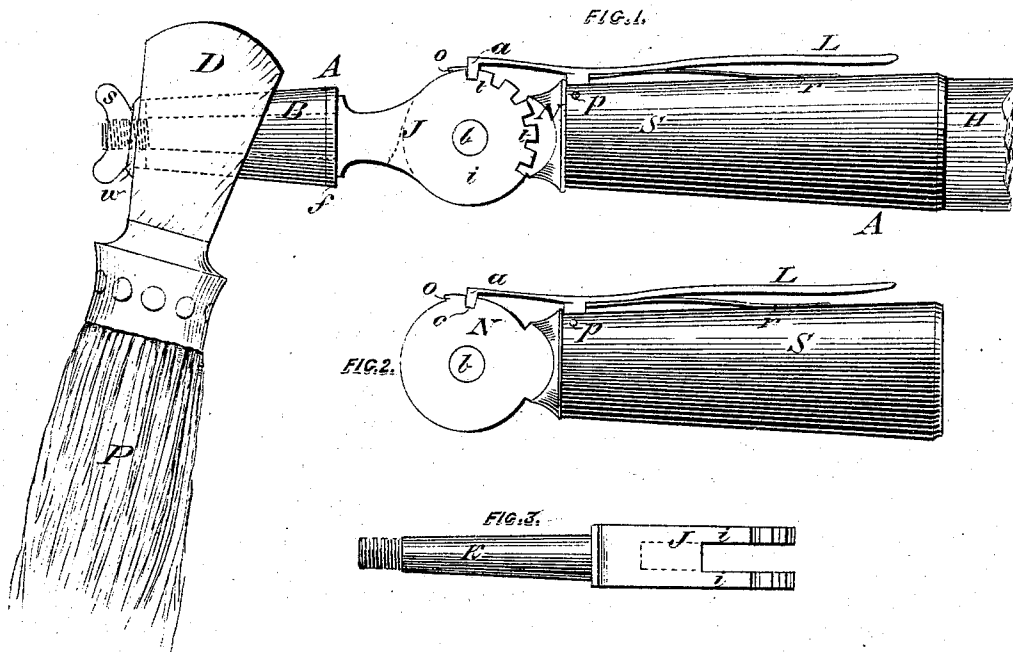


H. ANDERSON.

HANDLE-ATTACHMENTS FOR BRUSHES.

No. 173,879.

Patented Feb. 22, 1876.



WITNESSES:

Alfred C. Crane  
vs  
Thomas A. O'Brien

INVENTOR

Henry Anderson,  
Per *Geo. W. ...*  
Cimel Varicos

# UNITED STATES PATENT OFFICE.

HENRY ANDERSON, OF VALLEJO, CALIFORNIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN NEATE, OF SAME PLACE.

## IMPROVEMENT IN HANDLE ATTACHMENTS FOR BRUSHES.

Specification forming part of Letters Patent No. 173,879, dated February 22, 1876; application filed November 5, 1875.

To all whom it may concern :

Be it known that I, HENRY ANDERSON, of the city of Vallejo, Solano county, State of California, have invented an Adjustable and Pivoting Attachment to Whitewash, Paint, and other Similar Brushes, of which the following is a specification :

My invention relates to an attachment to whitewash, paint, or other brushes, consisting, essentially, of a jaw-piece for retaining a brush and a socket for securing a handle, so arranged and connected with one another that the jaw-piece, with brush, may pivot onto the socket with attached handle and be set at various positions in the same plane with it, and the brush may be also adjusted to various positions on the jaw-piece in a plane at right angles to it; the object of my invention being, that by combining these duplicate adjustments of brush and handle, by means of this attachment, to make such brush admit of its being set at almost any position with its handle, and thus prove more effective than the ordinary brush, with fixed handle, at present in general use for the purposes named.

Figure 1 is a longitudinal elevation of the attachment embodying my invention, shown attached to fragments of an ordinary whitewash or paint brush and handle. Fig. 2 is a vertical longitudinal elevation of the socket-piece forming part of the attachment embodying my invention. Fig. 3 is a vertical longitudinal elevation of the jaw-piece forming part of the attachment embodying my invention. Fig. 4 is a plan, with part in section, of the attachment shown in Fig. 1. Figs. 5, 6, 7, and 8 represent perspective views of whitewash or paint brushes fitted with this attachment and arranged so that the brush may be set at various positions to its handle.

With reference to the drawing, A A represent this attachment to whitewash, paint, and other similar brushes, and consists of two principal parts, the socket-piece S N, for adjustment to the brush-handle H, and the cogged jaw-piece, with spindle J K, for securing the brush D P. These parts are united to one another by a riveted pin, *b*, in such manner that one piece may be made capable of pivoting onto the other at this joint. The socket-

piece S N consists of a tapered metallic socket, S, wherein the tapered end of a brush-handle, H, may be inserted, so as to be retained either in position by a screw or by the adhesion of the tapered fitting parts of such socket and handle. This socket terminates in a solid projecting neck, N, of circular form, which is provided with a notch, *c*, so as to receive the catch *a* of the head of the lever L, that is pivoted onto the socket by a pin, *p*, and kept in place by a spring, *r*. The jaw-piece J K consists of a jaw, J, provided with shears, *i i*, of circular form, to coincide with the shape of the neck N, which is fitted in between them, and they are provided also with several teeth, *t t t*, so arranged that the catch *a* of this lever L may be adjusted to any opposite and corresponding two of them at the same time that it is adjusted to the notch *c* of the socket-neck N. By this arrangement it is obvious that, by the proper handling of the lever L, either the socket or jaw-piece may be set at such angle to one another as the number of teeth *t t t* will admit of such arc being described on the pivot-pin *b*. The jaw-piece J terminates in a tapered spindle, K, the end of which is threaded, so as to receive a set-nut, *s*, which, by a washer, *w*, sets the brush D P. A tapered socket, B, which may be either of metal or wood, covers this spindle K, so that this set-nut *s* may tighten up this brush onto this socket by fitting it to the hole provided in the wood-work therefor, and as this socket B is tapered, and the spindle K is also tapered, a little adjustment of this set-nut *s* makes a tight fit between the brush D P and socket B, as also between the spindle K and socket B. When this set-nut *s* is slightly loosened, the brush D P can be set at any angle with the handle in that particular plane, and when tightened, it can, by means of the adjusting-lever and teeth, *c t t t*, be set at various angles with the direction of the handle, so that the relative positions of the brush with its handle, by combining these movements through this attachment, may be made almost universal.

The arrangement of the covering-socket B is intended to meet the requirements of brushes already in general use, but for brushes made

expressly for this attachment the tapered spindle *K* will be sufficient for all purposes, and would be preferable, inasmuch as the holes made in the wood-work of the top of the brush are liable to cause the parts to become weak at those places and readily broken off.

I claim as my invention—

1. The brush attachment described, consisting of the notched socket *S N c*, fitted with adjusting spring-lever *L r a*, and pivoted toothed jaw-piece *J t t*, provided with tapered threaded shank *K*, adjusting-socket *B*, set-

nut *s*, and washer *w*, constructed and arranged as shown and set forth.

2. The adjustable tapered socket *B*, in combination with the brush *D P* and jaw-piece *J*, provided with tapered threaded spindle *K*, set-nut *s*, and washer *w*, substantially as and for the purposes herein set forth and specified.

. HENRY ANDERSON.

Witnesses:

ALFRED C. CRANE,  
LIONEL VARICAS.