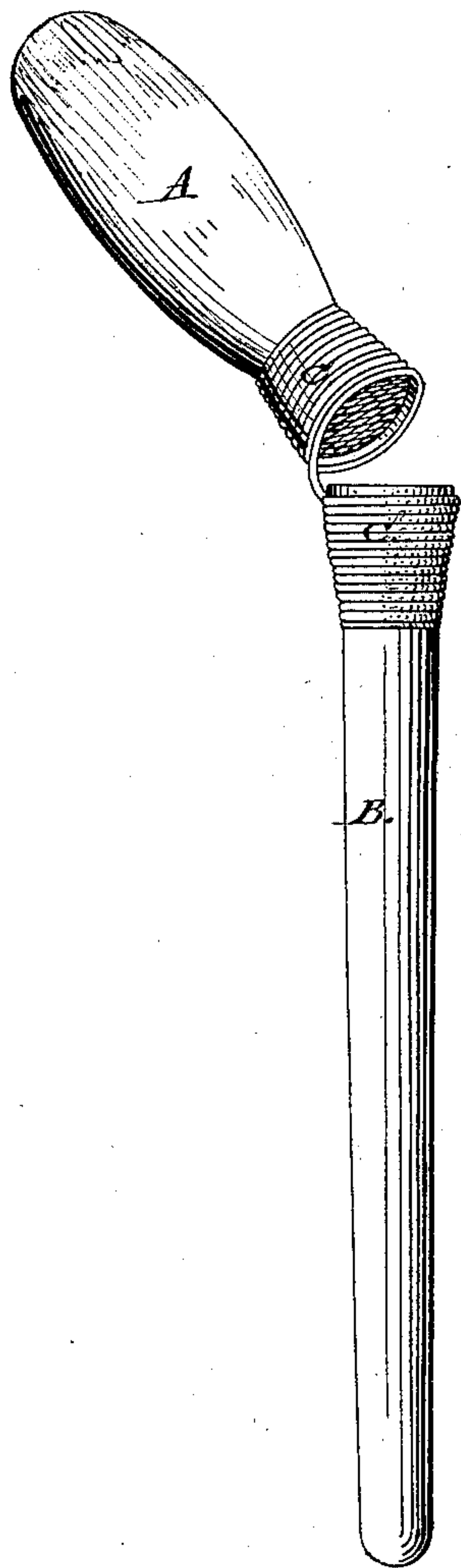


*J. Marchbank.*

*Paint Brush.*

*N<sup>o</sup> 59,850.*

*Patented Nov. 20, 1866.*



*Witnesses:*  
*F. A. Jackson*  
*Wm. Trevin*

*Inventor:*  
*J. Marchbank*  
*per Munn & Co.*  
*Attorneys*

# United States Patent Office.

## IMPROVED PAINT BRUSH.

JOHN MARCHBANK, OF LANSINGBURGH, NEW YORK, ASSIGNOR TO JAMES  
McQUADE, OF SAME PLACE.

*Letters Patent No. 59,850, dated November 20, 1866.*

### SPECIFICATION.

#### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN MARCHBANK, of Lansingburgh, in the county of Rensselaer, and State of New York, have invented a new and useful improvement in Paint Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification:

The present invention relates to the manner of securing the bristles composing the brush to its handle, and it consists in forming a ferrule of coiled wire, of an enlarged shape, between its two ends, which coil midway, or nearly so, between its two ends, is opened sufficiently to allow the bristles that are to constitute the brush, to be inserted in one portion of such coil and drawn through the same toward its small end, and the handle to be inserted in the other portion and similarly drawn through it toward its smaller end, until the tail or end of such handle, which is of corresponding shape to that portion of the coil, has become wedged therein, when bringing the two sections of the coil together, they are then soldered or in any other proper manner there secured, thereby attaching the bristles of the brush firmly and tightly to the handle of the same, as is obvious; the several coils of the ferrule, before being opened as above stated, being secured together, between the point at which it is opened and its two ends, by soldering the same or in any other proper manner.

In accompanying plate of drawings my improvement in brushes is illustrated, the figure, being a side view of the same, in the direction of its length, showing the ferrule or coil, opened at a point midway, or nearly so, between its two ends.

Similar letters of reference indicate like parts.

A, in the drawings, represents the bristles composing the brush, and B the handle for the same; the former being secured to the latter by means of and through a ferrule, C. This ferrule is made of a wire coil, which is somewhat larger in diameter at its centre than at its two ends, or, in other words, of a taper or conical form from its centre, or nearly so, toward each of its ends; the several coils constituting the ferrule, as above stated, except one or more, at or near its centre, or midway between its two ends, being secured together by soldering or in any other proper manner.

In this wire-coil ferrule C, the bristles and handle are secured, the coil being first opened at or near its centre as shown in the drawings, so as to allow the bristles to be inserted in the larger end of one of such portions of the ferrule, and drawn through it toward its smaller end until they have become wedged, as it were, therein; and the handle by its head to be correspondingly inserted in and drawn through the other portion of the ferrule until it comes, by its tail end, which is of a corresponding shape to that of the coil, C, to a tight and close seat therein; when, bringing the two portions of the coil ferrule together, they are then there secured by soldering or in any other proper manner, thereby producing a firm, strong, and reliable as well as durable attachment of the bristle to the handle, as is obvious without any further explanation.

I claim as new, and desire to secure by Letters Patent—

The coiled wire ferrule C, enlarged at the centre and adapted to admit of the insertion of the bristles, substantially as and for the purpose specified.

The above specification of my invention signed by me this 5th day of September, 1866.

JOHN MARCHBANK.

Witnesses:

CHAS. J. LANSING,  
AZARIAH FISK.