

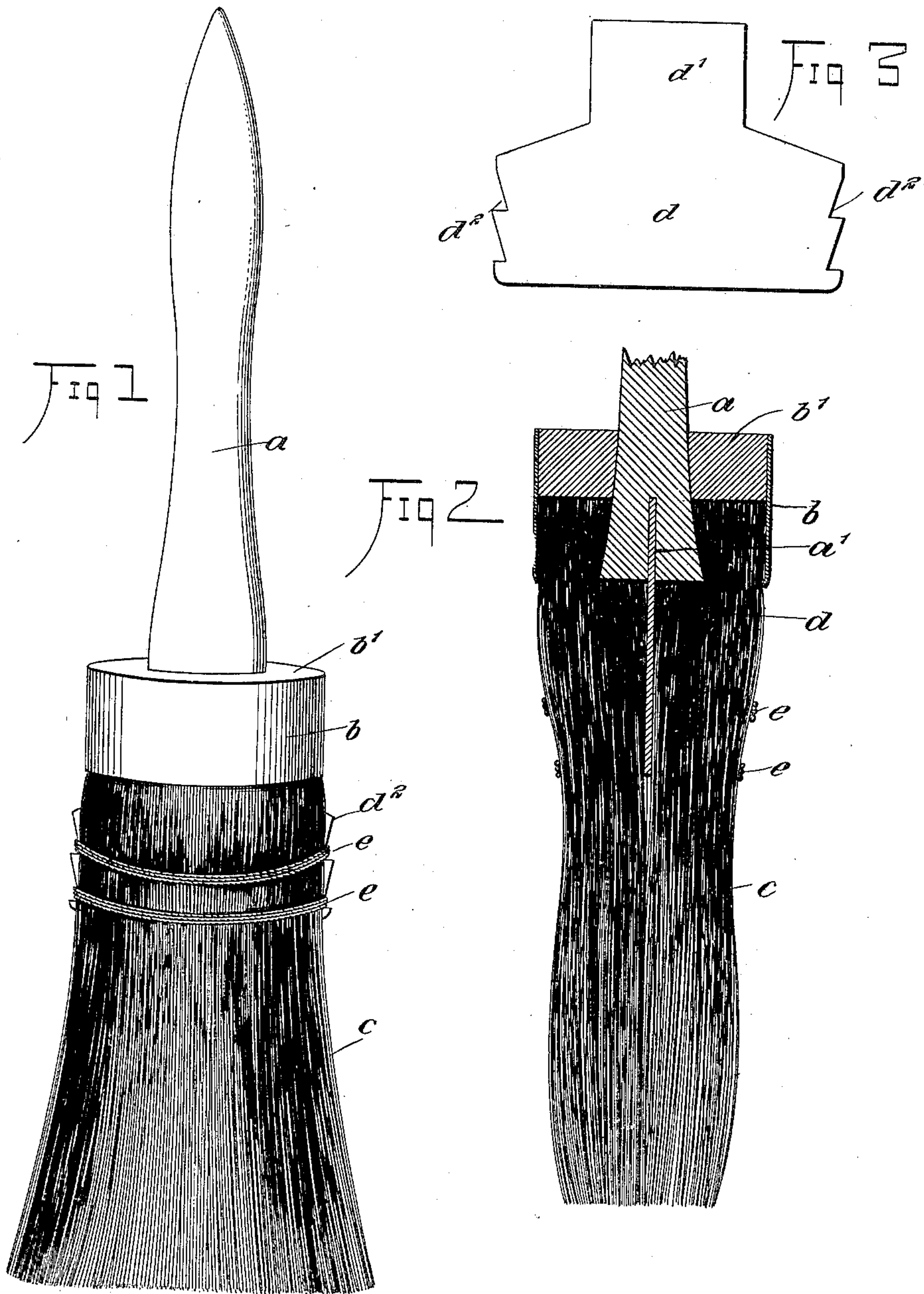
No. 661,358.

M. ROSENTHAL.  
BRUSH.

Patented Nov. 6, 1900.

(No Model.)

(Application filed June 22, 1900.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

MAURICE ROSENTHAL, OF NEW YORK, N. Y.

## BRUSH.

SPECIFICATION forming part of Letters Patent No. 661,358, dated November 6, 1900.

Application filed June 22, 1900. Serial No. 21,188. (No model.)

*To all whom it may concern:*

Be it known that I, MAURICE ROSENTHAL, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Brush, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide means for increasing the elasticity or "life" of a paint, varnish, kalsomining, or like brush and also to provide means for bridling the bristles. It is known that brushes of this sort require bridling to enable the bristles to be properly controlled. This is generally done by tying a string around the bristles just below the ferrule. It is also known that brushes are best when the bristles are long, thus giving elasticity or what is known to practical men as "life" to the brush. I attain these ends by fastening a flexible center piece to the brush within the mass of bristles and tying the bristles snugly around the center piece.

This specification is the disclosure of one form of the invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the invention. Fig. 2 is a sectional view thereof, and Fig. 3 is a view of the resilient center piece which I employ.

In Figs. 1 and 2, *a* represents the handle, *b* the ferrule, and *c* the bristles, of a brush, all of which are arranged in the usual manner. The lower end of the handle *a* is tapered and is driven into the ferrule, in which the bristles have already been placed, thus securely holding the bristles in the ferrule. Within the upper part of the ferrule a block *b'* of wood is fastened.

In carrying out my invention the tapered lower end of the handle *a* is formed with a slot *a'*, and in this slot is fitted the shank-like portion *d'* of the center piece *d*. This center piece may be formed of a sheet of any resilient material. Now it is clear that when the handle is driven into place the walls of the slot *a'* are forced against the shank *d'* of the

center piece, and the center piece is held securely in connection with the handle. The main part of the center piece extends below the ferrule *b* and is situated centrally with respect thereof, so as to pass directly through the bristles, dividing them into two parts. The side edges of the center piece are formed with serrations *d<sup>2</sup>*, and these side edges project just beyond the side edges of the brush. I now pass the bridle cords or wires *e* around the bristles, engaging the bridle wires or cords in the serrations *d<sup>2</sup>* of the center piece, so as to hold the cords in place. The result of this construction is that the brush is not only bridled, but considerable resiliency is lent to the bristles by the resilient center piece, which is situated inside of the brush and has the bristles on either side. The invention is especially useful in connection with flat brushes, such as paint or kalsomining brushes, in which the bristles are generally inclined to collect in separate tufts, thus rendering the brush inefficient. By the application of my invention the bristles are held in proper adjustment and the efficiency of the brush much increased.

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

1. A brush, provided with a resilient center piece held in the bristles and dividing them into two parts, and a bridle-cord passed around the bristles and engaging with the edges of the center piece.

2. A brush provided with a center piece located between the bristles, and a bridle-cord or the like passed around the bristles and engaged with the edges of the center piece.

3. A brush, provided with a center piece having a part fastened to the handle of the brush inside of the ferrule, the center piece lying between the bristles, and a bridle-cord passed around the bristles and engaged with the edges of the center piece.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MAURICE ROSENTHAL.

Witnesses:

I. B. OWENS,  
OTTO J. KALT.