

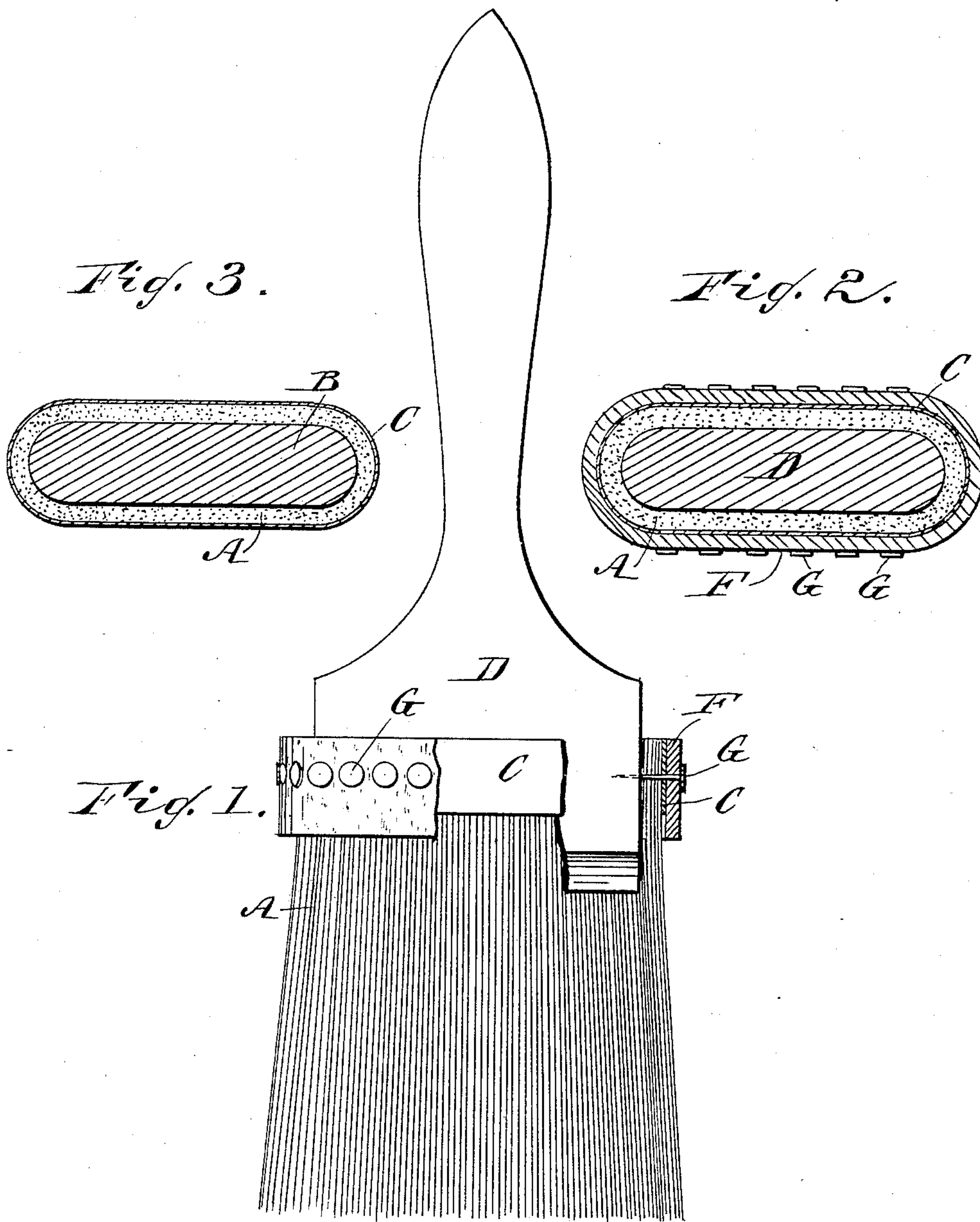
(Model.)

H. ROSENTHAL.

MANUFACTURE OF FLAT BRUSHES.

No. 327,723.

Patented Oct. 6, 1885.



WITNESSES.

Geo. G. Foster
C. Sedgwick

INVENTOR:

H. Rosenthal
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY ROSENTHAL, OF NEW YORK, N. Y.

MANUFACTURE OF FLAT BRUSHES.

SPECIFICATION forming part of Letters Patent No. 327,723, dated October 6, 1885.

Application filed February 24, 1885. Serial No. 156,721. (Model.)

To all whom it may concern:

Be it known that I, HENRY ROSENTHAL, of the city, county, and State of New York, have invented certain new and useful Improvements
5 in the Manufacture of Flat Brushes, of which the following is a full, clear, and exact description.

The object of my invention is to facilitate the manufacture of flat brushes—such as white-
10 wash or paste brushes—as hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate
15 corresponding parts in all the figures.

Figure 1 is a face view of my improved brush, parts being broken away and others in section. Fig. 2 is a sectional plan view of the same. Fig. 3 is a sectional plan view of the
20 bristles, the temporary core, and the ferrule.

The upper ends of the bristles A are placed around a flat temporary core, B, and are cemented together, and a sheet-metal band or ferrule, C, is passed around the upper ends of
25 the bristles.

The lower beveled end of the permanent handle D is placed on the top of the temporary core B, which is pushed downward and out from the upper ends of the bristles, the
30 lower part of the permanent handle D filling the cavity or opening formed by pressing out the temporary core. The handle D is then driven down as far as necessary, and when it is in its proper place the upper ends of the
35 bristles are clamped securely between the handle and the metal band or ferrule.

A leather band or strap, F, is then passed around the metal band or ferrule C, and tacks G are driven through the leather band F, the
40 metal band C, and the upper ends of the bristles into the lower part of the handle.

The bottom edge of the leather F is a short distance below the bottom edge of the metal strip C, so that the bristles when bent, as they are when the brush is in use, will rest against
45 the edge of the soft leather F, and not against the sharp edge of the metal, and are not broken or cut.

The special advantages of making the brush in the manner described are that the bristles
50 can be arranged and adjusted around the core more easily than around the handles. A uniform thickness of the layer of bristles can easily be obtained, and the handles can easily be introduced by pushing out the temporary core,
55 which can be used again.

In the usual method of making brushes the bristles must be placed around the handle, and are then held in place by a strap or leather band; but while the strap is being nailed in
60 one place the bristles become displaced in another, and only skilled labor can be employed in the manufacture of such brushes.

In place of the outer leather band, F, a band of cloth, rubber, metal, or other material may
65 be used.

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

The method, substantially as herein shown
70 and described, of making brushes, consisting in placing the bristles around a core, passing a metal band or ferrule around the upper ends of the bristles, which are cemented together, and then forcing out the core by introducing
75 the handle, as set forth.

HENRY ROSENTHAL.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.