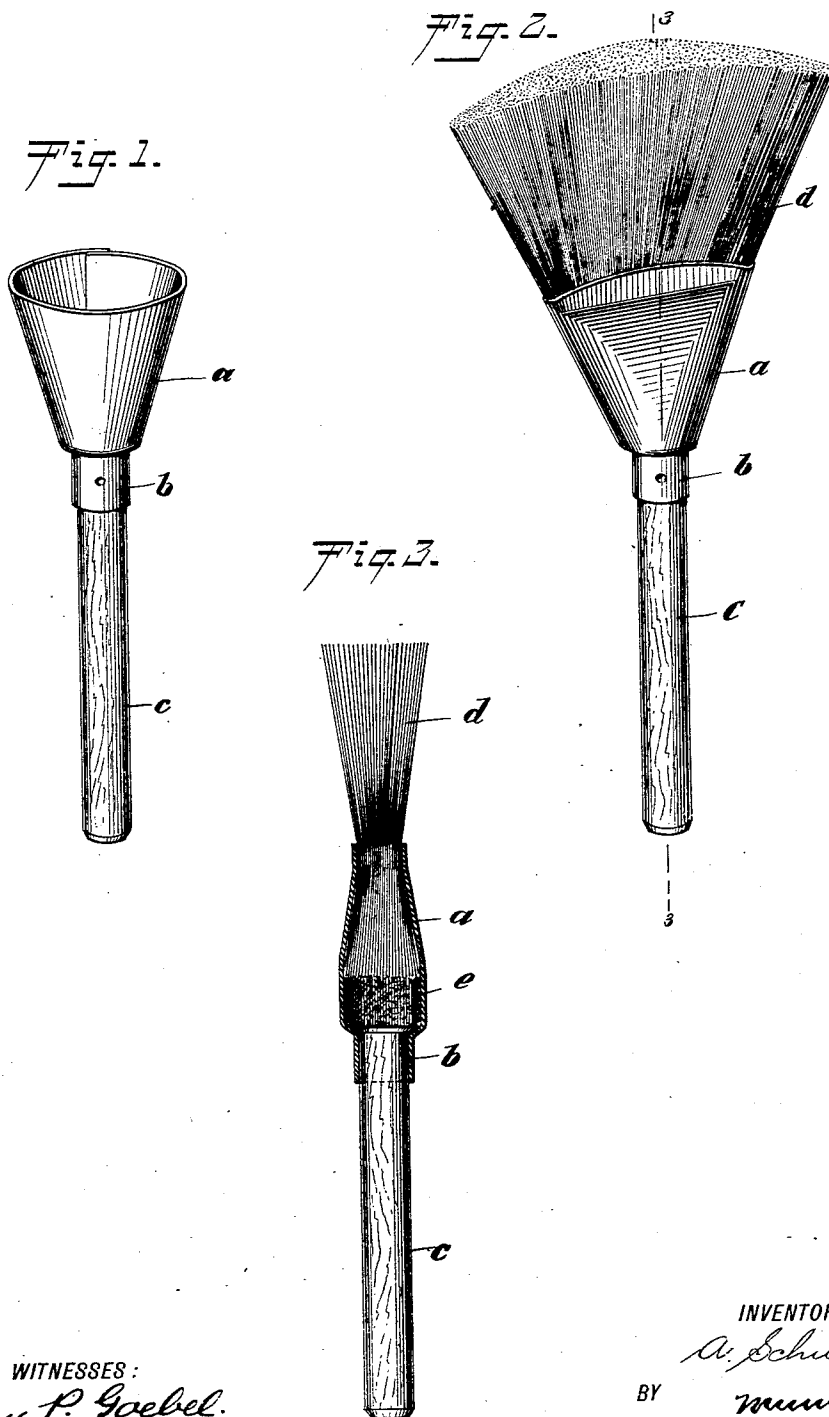


(No Model.)

A. SCHUCK.
BRUSH.

No. 573,711.

Patented Dec. 22, 1896.



WITNESSES:

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ALOYS SCHUCK, OF BROOKLYN, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 573,711, dated December 22, 1896.

Application filed September 1, 1896. Serial No. 604,565. (No model.)

To all whom it may concern:

Be it known that I, ALOYS SCHUCK, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Brush, of which the following is a full, clear, and exact description.

The object of this invention is to provide a brush in which the stock will be flattened and spread to produce a desirable brush for service, as a whisk, clothes, furniture, sink, or hat brush, and in which the stock will be held in the firmest and most secure manner. In attaining this end I employ a cone or funnel the apex of which is stamped or spun down to produce a ferrule, in which the handle is fixed. The stock is now bundled at one end and permeated with cement, after which it is projected into the smaller portion of the funnel directly below the handle. When the parts are thus arranged, the funnel is stamped down at its larger or lowermost portion to a flat form, whereby the bristles are spread.

The invention will be fully described hereinafter and defined in the claim.

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 figures.

Figure 1 is a perspective view of the cone and handle before the bristles are connected thereto. Fig. 2 is a similar view of the complete brush. Fig. 3 is a sectional view on the line 3 3 of Fig. 2.

The cone or funnel *a* is formed of sheet metal and has its apex spun or stamped to form a ferrule *b*, in which the lowermost end of the handle *c* is fixed. The bristles or other stock *d* are bundled at one end into annular form and held by a cord or other wrapping *e*. (See Fig. 3.) Prior to wrapping the bristles or stock the ends which are to be bundled are permeated with cement, and when the wrapping has been effected the bundled end is introduced through the large or lower portion of the cone or funnel into the small or upper portion directly adjacent to the lower end of the handle, as shown in Fig. 3. The cone or funnel *a* is now stamped or pressed at its lower edges, so that its large portion or base will be rendered flat, as shown in Figs. 2 and 3, thus spreading the lower portions of the bristles or stock out in fan-like form and firmly pressing the upper portion of the same

within the upper portion of the cone or funnel. This construction makes it impossible for the stock or bristles to be drawn out bodily, because its upper portion is much larger than the distance between the lower edges of the cone. By binding and cementing the upper portion of the stock it is impossible to draw the bristles or stock out individually. When the cement sets, the bound portion of the stock will become very hard and solid, which adds to the durability of the brush.

It will be understood that the lower edges of the cone do not crowd the bristles against each other very forcibly, the bristles being comparatively free at the lower edge of the cone. This makes it possible for the bristles or stock to have a maximum degree of flexibility and freedom of movement, while the upper and intermediate portion of the cone or funnel, being pressed against the bound portion of the stock, serves to hold the stock from displacement. The essential feature of this construction is the cone or funnel, which by being stamped or pressed as shown gives the brush its characteristic fan-like form and at the same time coacts with the bound portion of the stock to immovably hold the stock in position. It will be seen that the cone is essentially a holder for the stock.

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

A brush having a handle, a ferrule for the handle, the upper end of the ferrule being reduced to snugly receive the handle and to form a space adjacent to the upper end of the ferrule and below the lower end of the handle, the size of which space is larger than the thickness of the handle, and stock or bristles having their upper ends bound together by a cord, said upper ends being engaged with the lower end of the handle and held within the enlarged space adjacent thereto, the lower end of the ferrule being spread laterally to flatten the brush and being of a thickness less than the thickness of the upper portion of the stock, substantially as described.

ALOYS SCHUCK.

Witnesses:

JOSEPH KUKELKORN,
FRED. FRESELER.