

(No Model.)

G. MADEIRA.

PEN BRUSH.

No. 305,612.

Patented Sept. 23, 1884.

Fig. 1.

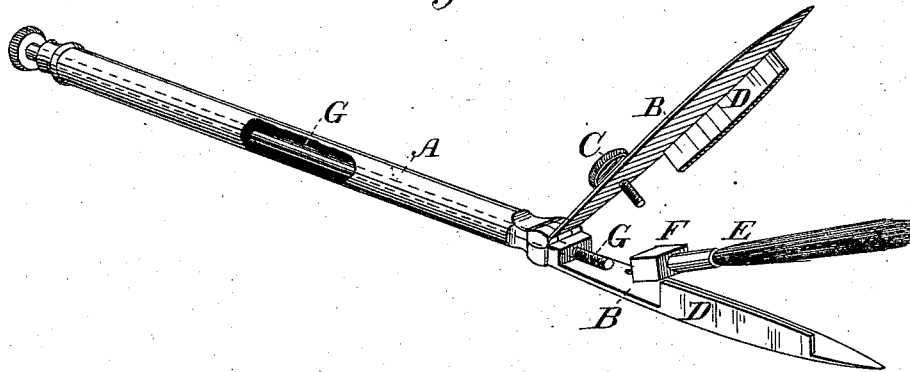


Fig. 2.

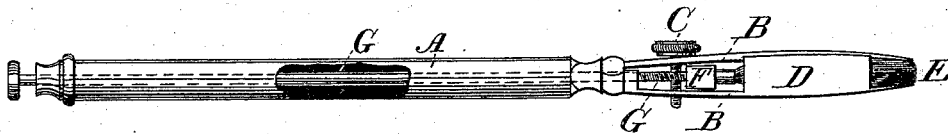


Fig. 3.

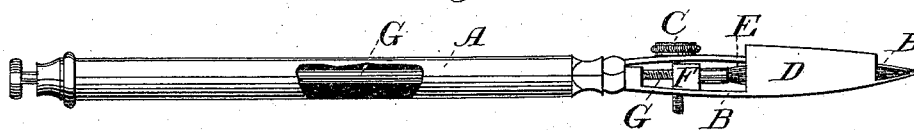
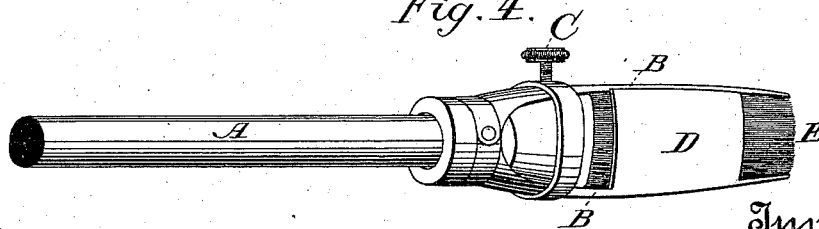


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE MADEIRA, OF SANTA CRUZ, ASSIGNOR OF ONE-HALF TO FRANK G. GILMORE, OF SAN FRANCISCO, CALIFORNIA.

PEN-BRUSH.

SPECIFICATION forming part of Letters Patent No. 305,612, dated September 23, 1884.

Application filed October 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE MADEIRA, of Santa Cruz, county of Santa Cruz, and State of California, have invented an Improvement in Pen-Brushes; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a device to be used by painters and draftsmen, which I term a "pen-brush;" and it consists in the novel arrangement and combination of devices, as will be hereinafter more fully set forth, and pointed out in the claims.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a view of my device, showing one point opened about its hinge. Fig. 2 shows it closed and in position to make a broad line. Fig. 3 shows the brush drawn back, the points closed for a narrow line, and the screw for adjusting the brush. Fig. 4 is a view showing a modification of the device.

The instrument consists of a handle, A, having two long pen-like points, B, one of which may be hinged at or near its junction with the handle, so as to be turned outward, if desired. A screw, C, serves to move the points to or from each other in a manner similar to that employed in drawing-pens. Plates or projections D are secured to the points B, one to each, and upon opposite sides, so that each plate has one free edge, which passes down by the edge of the other part B when the two are moved toward each other. These plates, with the points, form a sort of inclosure or fountain within which the color to be used may be retained. Between the points a brush, E, is placed, so that its point may lie between the tips of the points B, while its rear end is held in a block of rubber, F, lying between the rear portions of the points. A screw, G, passes through the handle and into the block F, and by turning it the brush may be more delicately adjusted forward or back.

In case a wide brush is to be used for large lines, the base to which the points B are hinged or secured may be perforated at the rear, so that the handle of the brush may pass through the hole, as shown in Fig. 4. The side plates

forming the fountain are fixed in a similar manner, and a screw, C, serves to close or open them. In this case the screw passes through a band surrounding the points B, and its point may press upon the back of one of them, so as to force them together. The block F serves as an end to the fountain, so that if the brush is to be used for overhead work the color will not run out. With this instrument a considerable quantity of color may be introduced to the fountain, where it will be retained by the capillary attraction of the sides and of the brush which passes through the center. The color is drawn down by the brush as fast as it is used, and delivered by it upon the surface upon which the line is to be made, while the inclosing-tips of the extended points B serve to give the line a sharp, distinct outline.

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

1. A striping-brush, in combination with inclosing guides or points to form the sides of the stripe and an adjusting-screw to regulate the width, substantially as herein described.
2. A striping-brush with inclosing guides or points, in combination with projecting plates or side pieces secured to alternate opposite edges of the points to form a fountain, substantially as herein described.
3. A striping-brush with inclosing sides or points and color-fountain, as shown, in combination with an adjusting-screw, by which the brush may be advanced or receded between the points, substantially as herein described.
4. A striping-brush with inclosing sides or points, color-fountain, and adjusting-screws, in combination with a block fitted between the sides and serving as a stop to the rear of the fountain, substantially as herein described.

In witness whereof I have hereunto set my hand.

GEORGE MADEIRA.

Witnesses:

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