

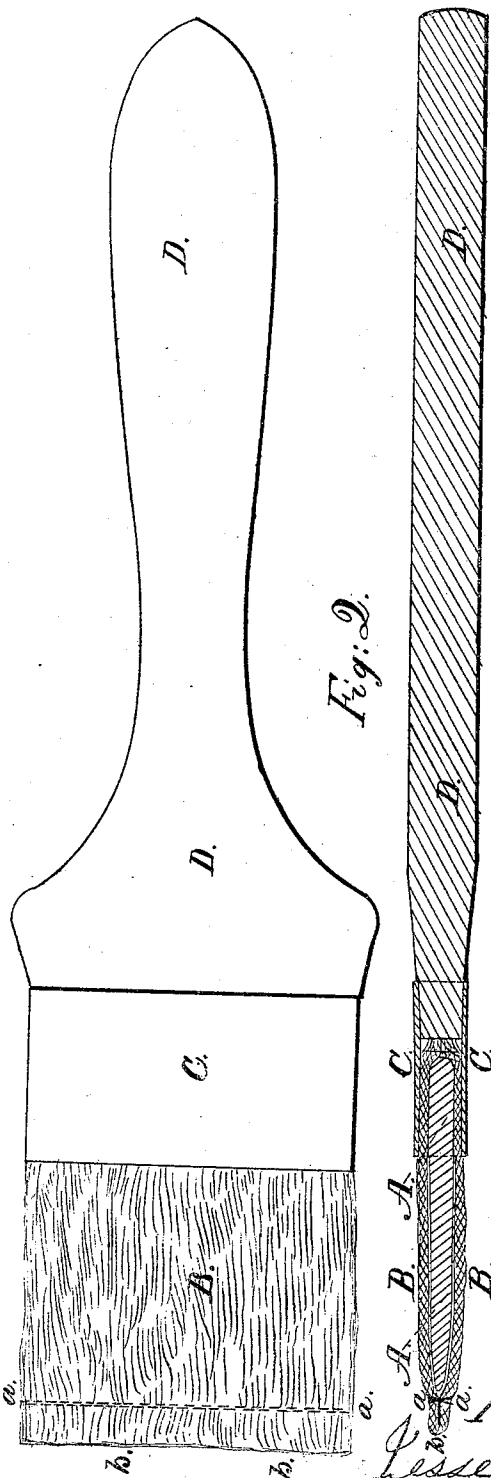
J.K. Park.
Damping Brush.

N^o 60931.

Patented Jan. 1. 1867.

Fig: 1.

Fig: 2.



Witnesses.

J. W. Coombs
a. Lellere

Inventor.
Jesse K. Park

United States Patent Office.

JESSE K. PARK, OF MARLBOROUGH, NEW YORK.

Letters Patent No. 60,931, dated January 1, 1867.

DAMPING BRUSH.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JESSE K. PARK, of Marlborough, in the county of Ulster, and State of New York, have invented a new and useful improvement in Damping Brushes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a view of one of the flat sides of a brush constructed according to my invention.

Figure 2 is a longitudinal transverse section of the same.

Similar letters of reference indicate corresponding parts in both figures.

This invention is designed more especially for damping paper for copying-presses, and it consists in the construction of a brush, with a central or inner portion of India rubber, or other suitably stiff and elastic substance, and with a covering of flannel, cloth, felt, or other fibrous and absorbent material, whereby the brush is caused to retain its proper shape more permanently, and to dampen the paper more uniformly than those heretofore employed for this purpose, and whereby it may be manufactured at a less cost than the ordinary brush.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

A represents a flat rectangular piece of India rubber, or other tolerably stiff and elastic material, of any desired size, and B is a covering of cloth, felt, or other absorbent fibrous material. The piece of cloth or other material of which the covering B is made is doubled or folded, as shown more clearly in fig. 2, and is sewed across by a seam near its folded end, as shown at *a a*, in order that a flexible lip, *b*, may be formed upon the end of the brush, as will be presently further explained. The piece of rubber A is then placed between the two sides *c* of the covering B, behind the seam *a a*, as shown in the aforesaid fig. 2, and the two extremities of the piece which forms the covering are then sewed together by a transverse seam just behind and parallel with the rear or inner end of the rubber-piece A, as shown at *d*. This end, *d*, of the brush, as thus formed, is then inserted into one end of a flat rectangular clasp or ferrule, C, and secured therein by any ordinary or suitable means, while fixed in the opposite end of the said ferrule, C, is a flat handle, D, by means of which the brush is held and manipulated in the usual manner. In dampening a paper previous to placing it in the copying-press, the brush is dipped in water, and then drawn over the surface of the paper in the usual manner, the lip *a* turning over to one side, and thus keeping a sufficient brushing surface in contact with the paper; and, inasmuch as the water does not flow as freely from the fibrous material of which the covering B is formed as from the longitudinal hairs of the camel-hair brush commonly employed for this purpose, it follows that, instead of flowing in a greater quantity when the brush is first brought in contact with the paper, it flows uniformly from the same, and is thus spread more evenly upon the paper, while, inasmuch as the central rubber portion A has a constant tendency to straighten itself when bent, the brush is prevented from becoming set or permanently bent in a curved form by having its end turned over to one side, when not in use, by contact with the bottom of the vessel in which the water is kept, which frequently occurs with brushes of the ordinary kind.

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

The construction of a brush with a central part, A, of India rubber, or equivalent elastic material, and a covering of cloth, felt, or other absorbent material, substantially as herein set forth for the purpose specified:

JESSE K. PARK.

Witnesses:

A. LE CLERC;
J. W. COOMBS.