

D. K. HERR.  
Stencil Brush.

No. 53,923.

Patented April 10, 1866.

Fig: 3.

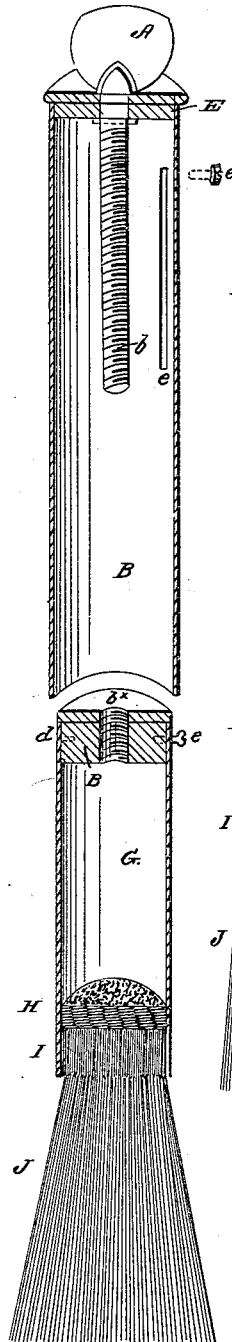


Fig: 2.

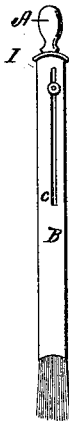


Fig: 4.

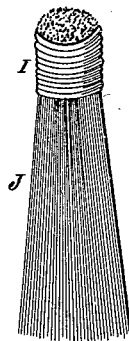
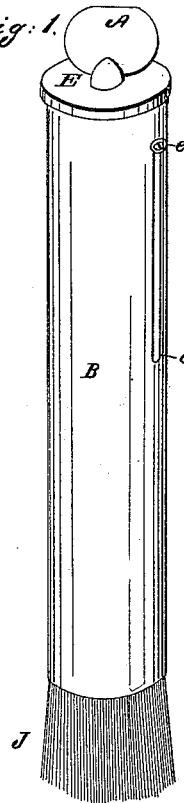


Fig: 1.



Witnesses:  
A. Herr.  
W. B. Hiley

Inventor:  
D. K. Herr.

# UNITED STATES PATENT OFFICE.

DANIEL K. HERR, OF LOCUST VALLEY, ASSIGNOR TO THEODORE W. HERR,  
OF LANCASTER, PENNSYLVANIA.

## IMPROVED STENCIL-BRUSH.

Specification forming part of Letters Patent No. 53,923, dated April 10, 1866.

*To all whom it may concern:*

Be it known that I, DANIEL K. HERR, of Locust Valley, in the township of Strasburg, Lancaster county, and State of Pennsylvania, have invented a new and Improved Stencil-Brush, made adjustable to regulate and renew the worn brush at pleasure; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figures 1 and 2 are perspective views of two sizes. Fig. 3 represents a vertical section of the two tubes and their several parts; Fig. 4, a supply-brush of an intermediate size.

The object of my invention is to furnish millers, merchants, and all others using stencil-brushes with an article more durable, economical, and desirable than the ordinary brushes in use, so arranged that the bristles forming the brush can be fed out in proportion as they are worn off or shortened by dressing, so as to be constantly of a uniform length, or made longer or shorter, in order to adapt the same to the various uses or changes desired, as well as to form a permanent handle, in which entirely new brushes may be placed after the first are actually worn out.

The drawings clearly show the construction of the tube and casing separated in Fig. 3, as will enable any one skilled in the art to make the same.

The inner or brush tube, G, may be of any desired diameter and proportioned length, to which a brush, J, is adapted, (like Fig. 4,) either formed by a mold of the exact diameter or otherwise, so as to fit tightly into the tube G whether drawn down from above or introduced below. By warming the pitched head I before or after it is introduced it will be firmly cemented to the tube. A stratum of pitch may also be poured upon the heads of the bristles, either from the top or through a hole in the side of the tube, (indicated by H,) over I, Fig. 3, to secure the same more effectually. The top of the brush-tube G is closed by a head, D, either held by a side screw, d, or screwed into the tube externally, of the same diameter of the tube when provided with a flange or collar, as

shown. This head D has a central opening with a screw-thread, b\*, adapted to the screw b within the external casing-tube, B. A vacant space is left between the head D and the stratum of pitch, H, within the tube G for the free action of the screw. When the brush-tube G is introduced within the casing and drawn in by turning the head A of the screw b, fitting through a milled head or screw-top, E; the screw being confined by a pin or ring, P, from being drawn out in turning, so as to confine its action upon the inner tube only for drawing it in, so that the exposed portion of the bristles is shortened by the external case. The brush-tube being shorter, consequently it can be drawn in together with its brush, leaving only the desired length of bristles exposed.

The outer tube or casing, B, has a slot, c, through which a headed screw, e, passes into the head D of the inner tube as a guide to keep its motions up and down and prevent the inner tube from turning. By this arrangement the object already stated is fully attained, and is applicable to any size of stencil-brush required, and by furnishing extra brushes, peculiarly fitted to their respective tubes, the same tube and case can be employed again and again, as the brushes are worn out by constant use, from time to time.

I am aware that lead-pencils are made to feed the lead and also admitting of replenishing the lead when worn out; but I am not aware that stencil-brushes have ever been made by using the full length of bristles for such brushes, to be used within a tube made adjustable, substantially as herein described.

It may be well to state here that I had contemplated to simplify my brush by means of a rod, instead of a screw and screw-cap, to push the brush out and secure it by a set-screw in a slot or otherwise, but prefer the arrangement shown as being the more satisfactory plan. It has also occurred to me that for smaller brushes the external casing made tight might also be simply slid down over the bristles to shorten them, either of which devices I believe to be new, as well as making the long brushes with a view of being used in the manner specified for stencil-brushes.

I therefore deem the brush J I as novel

when expressly made for or used with my adjustable casing and tube, as I do that of the tube and combined casing itself.

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

1. The combination of the brush-tube G and the external casing, B, constructed and operating substantially in the manner and for the purpose specified.

2. The brush J I, when expressly made or adapted to my brush-tube G, and to be used in combination with the external casing, B, in the manner and for the purpose set forth.

D. K. HERR.

Witnesses:

A. J. HERR,  
WM. B. WILEY.