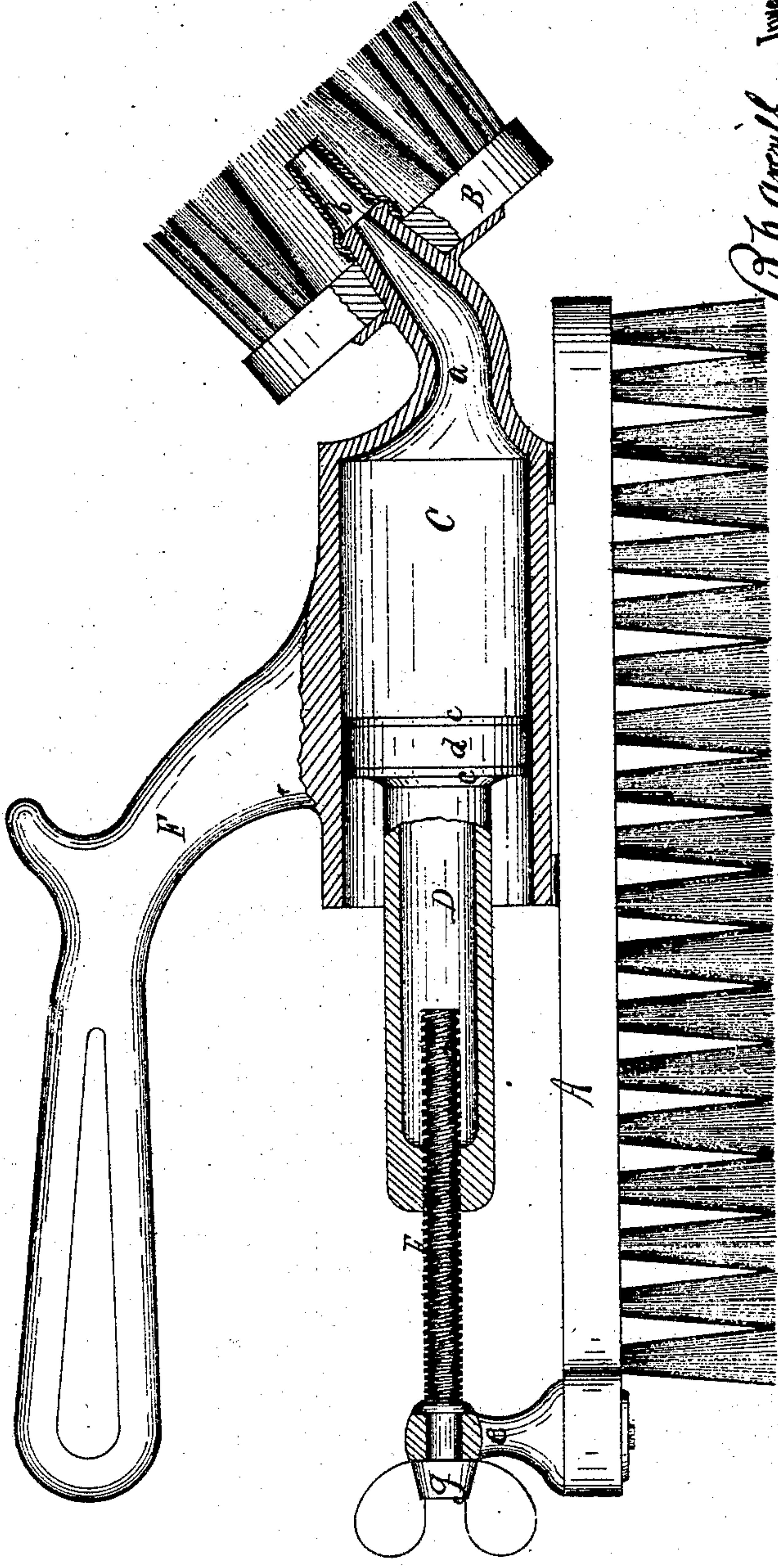


Benjamin F. Averill's
Improved Blocking Brush.

PATENTED JUL. 11 1871

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Witnesses.

W. D. Drake
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B. F. Averill Inventor, By

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UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN AVERILL, OF DUNKIRK, NEW YORK, ASSIGNOR TO HIMSELF AND SAMUEL JAMES GIFFORD, OF SAME PLACE.

IMPROVEMENT IN BLACKING-BRUSHES.

Specification forming part of Letters Patent No. 116,794, dated July 11, 1871.

To all whom it may concern:

Be it known that I, BENJAMIN FRANKLIN AVERILL, of Dunkirk, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Blacking-Brushes, of which the following is a specification:

This invention relates to boot, stove, and shoe-blackening brushes; and consists in forming on top of the polishing-brush a reservoir or cylindrical receptacle for the blacking, provided with a screw-piston, which forces the blacking through an attached pipe or nozzle into the small brush for putting it on the boots, &c., as hereinafter described.

In the drawing the figure is a sectional side elevation of the whole device.

A is the polishing-brush; B, the small blackening-brush; C, the cylinder or reservoir; D, the piston; E, the screw for operating it; and F, the handle. The reservoir C is made cylindrical, or in any other appropriate form, and is secured to the back of the brush A. The front end is formed with a hollow nozzle or pipe, *a*, to which the small brush B is attached, as in ordinary brushes, at an angle, as shown. To the end of this nozzle a small rubber or other elastic tube, *b*, is secured in any suitable manner, so that it will not interfere with the working of the bristles. It is made of elastic substance, so as not to abrade the leather as the bristles wear down. The piston D is made hollow, into which works the moving-screw E, which very gradually pushes the piston into the cylinder. The piston has a head, *c*, with a packing-ring, *d*, made to fit perfectly around

the inside of the cylinder, rendering it air-tight and thus preserving the blacking longer than in boxes, besides forcing out into the center of the brush, where it is wanted, just so much blacking as is required, thus preventing waste. The opposite end of the screw E runs loosely in a pivoted socket, *e*, attached to the end of the brush. The screw is moved by a wing-nut, *g*, which works the piston D back and forth.

The operation is as follows: The piston D is screwed back until it is removed from the cylinder, when it may be turned around by the pivot *e*. The cylinder is then filled with blacking in a liquid or paste form and the piston replaced and gradually screwed up until a sufficient quantity of blacking is forced out of the nozzle *b* for the purpose required.

I claim as my invention—

1. The flexible tube *b* attached upon the curved pipe *a* of the hollow cylinder C, in combination with the piston D and its operating-rod E, when constructed and arranged in relation to the brush B of the shoe-brush A, substantially as and for the purpose set forth.

2. The arrangement of the handle F, reservoir C, piston D, packed head *c* *d*, screw E, pipe *a*, and rubber tube *b*, in combination with brushes A B, all operating in the manner and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

Witnesses:

B. F. AVERILL.

J. R. DRAKE,

C. N. WOODWARD.