

*H. Lombard,
Tumbler-Brush*

Nº 75,940.

Patented Mar. 24. 1868.

Fig. 1.

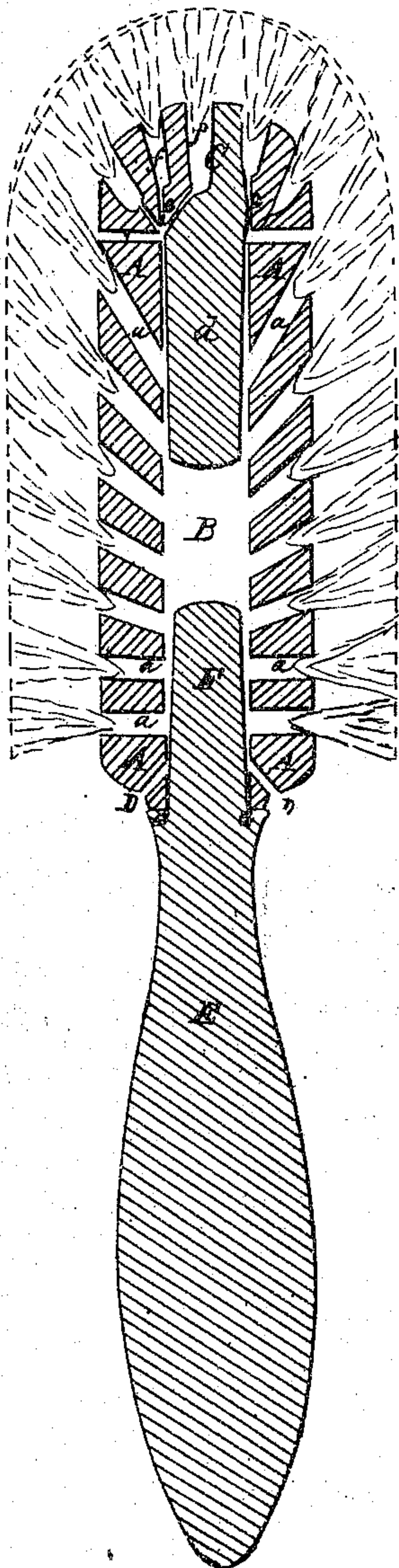
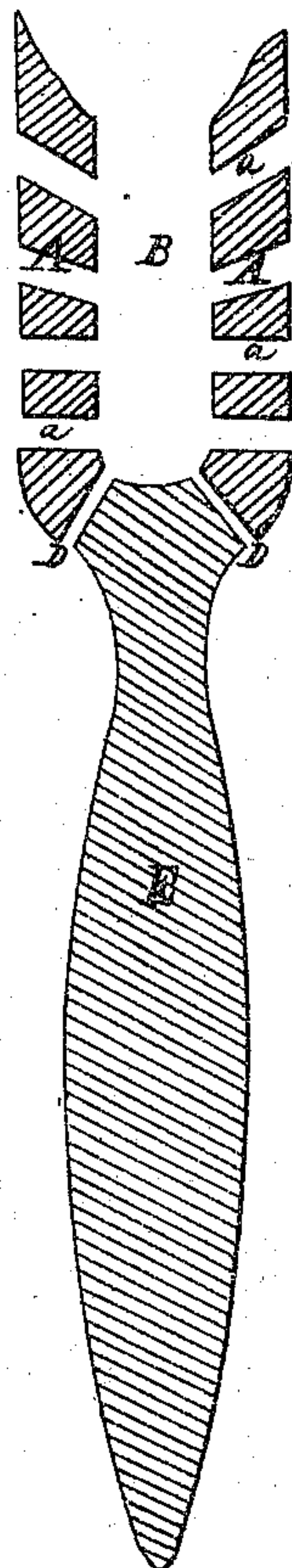


Fig. 2



INVENTOR.

H. Lombard

*By J. B. Larchey
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WITNESSES.

*G. A. Murrel
J. Webster*

United States Patent Office.

HENRY LUMBARD, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF, GEORGE E. GERTS, AND JOHN SCHMIDT, OF SAME PLACE.

Letters Patent No. 75,940, dated March 24, 1868.

IMPROVED TUMBLER-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, HENRY LUMBARD, of the city of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Improvement in "Tumbler-Brushes;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a section of the block and handle, made in separate pieces, and

Figure 2 a section of the block and handle when made of one piece.

The present modes of making brushes for cleansing mugs, pitchers, tumblers, and other like vessels, consists in perforating solid blocks, and inserting bunches or knots of bristle in those perforations with cement, which mode is very defective; or in splitting the blocks separately from their handles, or block and handles together, in two halves, and after drawing the knots in each half separately, to screw tight the said halves together.

The object of my invention being to improve the making of the above-said brushes, its nature consists in boring the blocks lengthways through the centre, using the said bore for drawing in the knots and looping the wires, securing the last to the block above and below, by means and in the manner as will be hereinafter fully explained.

To enable others skilled in the art to which my invention appertains to make and use said invention, I will proceed to describe its construction and operation.

A is the block; *a a* its perforations. B is a bore made through the block, into which said perforations *a a* open. C is a cap, of the shape and size to complete the block A on the top, said cap being perforated, and provided with a tongue, *d*, fitting bore B. The cap has also small perforations, *c c*, communicating with perforations *f f*, for the knots, to draw the wires through, and secure them around tongue *d*. D D are perforations, made at the bottom of the block A, or at its junction with handle E, to receive the wires of the rows of knots of bristle filling the holes *a a*, the wires of several rows of knots being drawn in a bunch into one of the holes D D, and cut off on the outside. Another way of securing said wires at the bottom of the block A consists in arranging said block separately from the handle E, and to provide the handle with tongue F. When the wires of each row of knots fitting perforations *a a* are drawn down, they are turned over the lower edge, G, of the block A, the tongue F is driven in and riveted to the block, and the ends of said wires are cut off.

The operation consists in this, that, first, the cap, C, receives the knots of bristles, and the wires passing through perforations *c c* are secured around tongue *d*. Then the block receives the rows of knots, whose ends pass through perforations D D, and are cut off, or secured to the block by the tongue F of the handle. The tongues then are riveted to the block.

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

The perforated block A, provided with longitudinal bore B and tongued cap C, said block secured to the handle E by means of the tongue F, substantially as herein set forth and specified, when said block and said handle are made in separate pieces.

Witnesses:

J. B. TURCHIN,

GEO. E. GERTS.

HENRY LUMBARD.