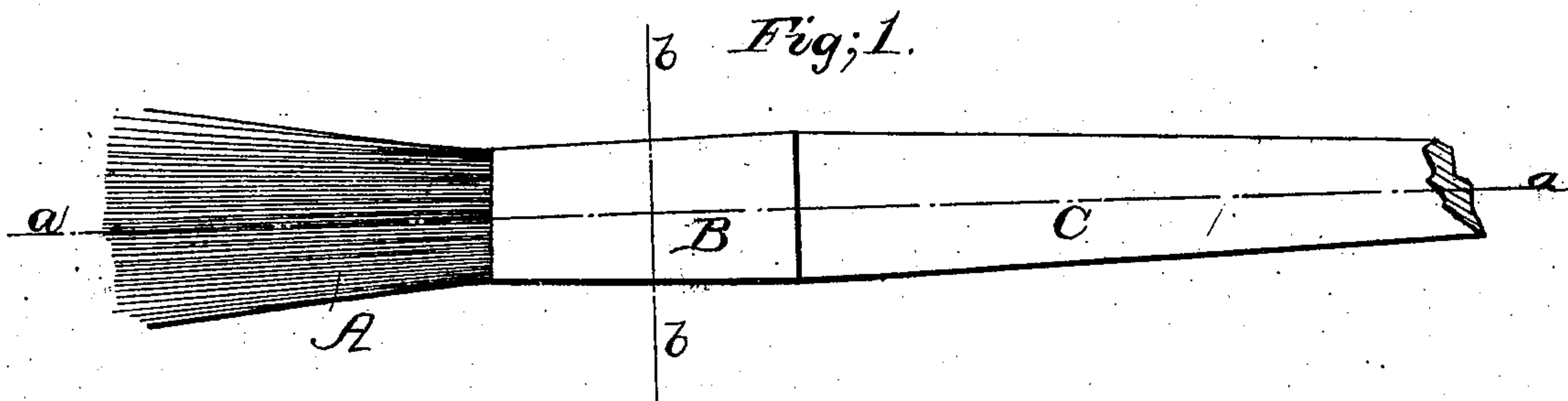


J. L. Whiting.

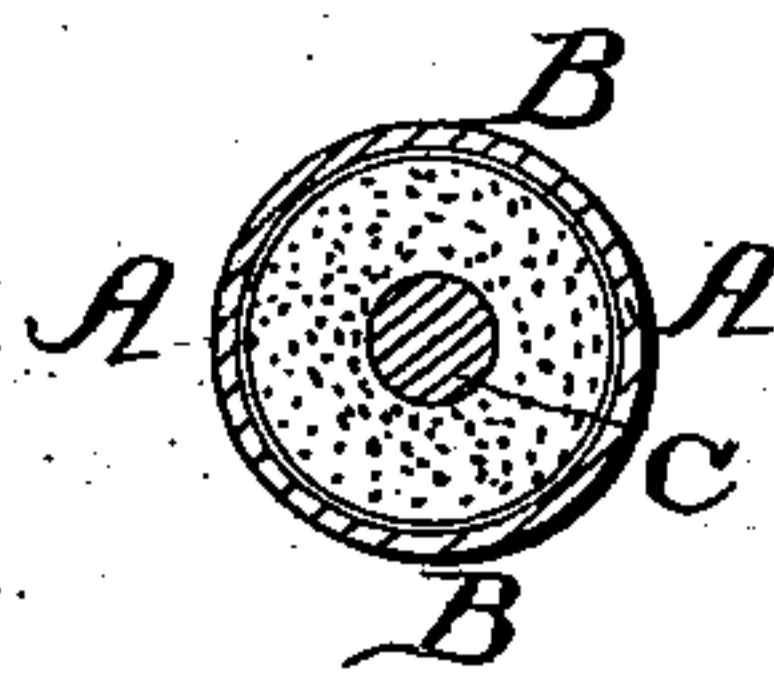
Brush.

Nº 39,439.

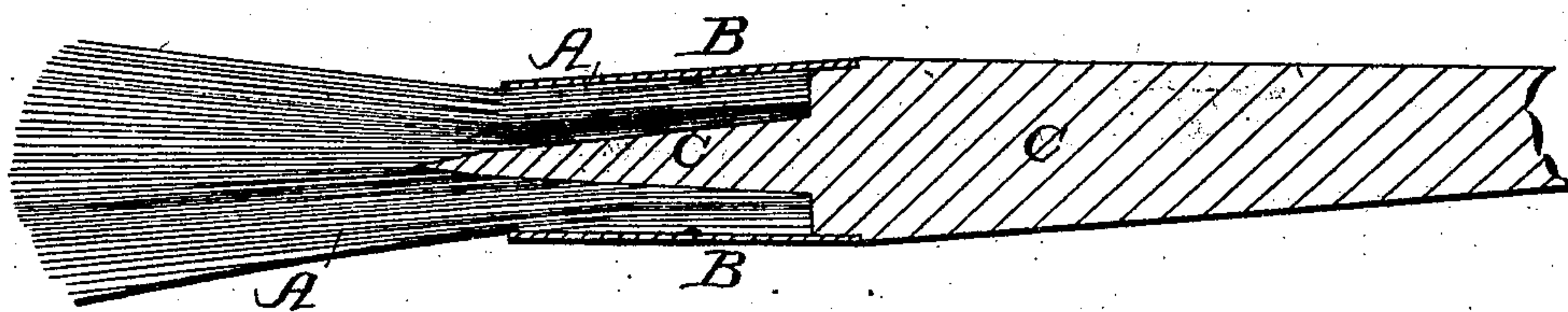
Patented Aug. 4, 1863.



Fig; 2.



Fig; 3.



Witnesses;
S. P. Mayberry
Thomas B. Reed

Inventor;
John L. Whiting

UNITED STATES PATENT OFFICE.

JOHN L. WHITING, OF PORTLAND, MAINE.

IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. 39,439, dated August 4, 1863.

To all whom it may concern:

Be it known that I, JOHN L. WHITING, of Portland, in the county of Cumberland and State of Maine, have invented a new and useful Improvement in the Method of Manufacturing Sash-Tools, Stencil-Brushes, Shaving-Brushes, and Artists' Brushes; and I do hereby declare the following to be a full and exact description.

My invention consists in the use of a brush-handle, with a wedge or cone shaped point as a mechanical power to secure the knot of hair or bristles of the brush and the handle itself within a cone-shaped ferrule previously constructed, the knot of hair or bristles being drawn within and partly through the ferrule, and the pointed end of the handle inserted in the butt-end of the knot and forced the whole length of the ferrule. The taper of the handle corresponds with the tapering sides of the ferrule, thus causing a uniform mechanical pressure, and holding the knot of hair or bristles and the handle within the ferrule by a force limited only by the strength of the ferrule and the capacity of the handle to resist compression.

My invention also consists in preparing the point of the handle, which is inclosed within the ferrule, by saturating it with hot pitch or other resinous substance, to resist the effects of heat and moisture of the atmosphere, and of water and other fluids, to which

all of the brushes to which my invention is applicable are more or less exposed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the method of construction.

I construct the ferrule of wood, metal, or any fitting material with a cone-shaped hollow or aperture. After dipping the upper or butt end of the bristles in cement, I then draw the flag end A, as shown in the accompanying drawings, Fig. 3, through the upper and larger end of the ferrule B, so that the butt end of the knot shall be a little within the hollow of the ferrule. Having prepared the point of the brush handle by saturation in some resinous substance, I then force it into the larger end of the ferrule, and the cone-shaped point C into the butt-end of the knot, so as to fill completely the larger end of the ferrule, thus holding firmly the bristles and end of the handle within the ferrule.

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

A brush-handle with a wedge or cone shaped point, in combination with a cone-shaped ferrule, the wedge or cone shaped point being inserted into the butt-end of the knot or bristles after being saturated with hot pitch or other resinous substance, as specified.

Witnesses: JOHN L. WHITING.

JOHN G. STETSON,

WILLIAM H. CLIFFORD.