

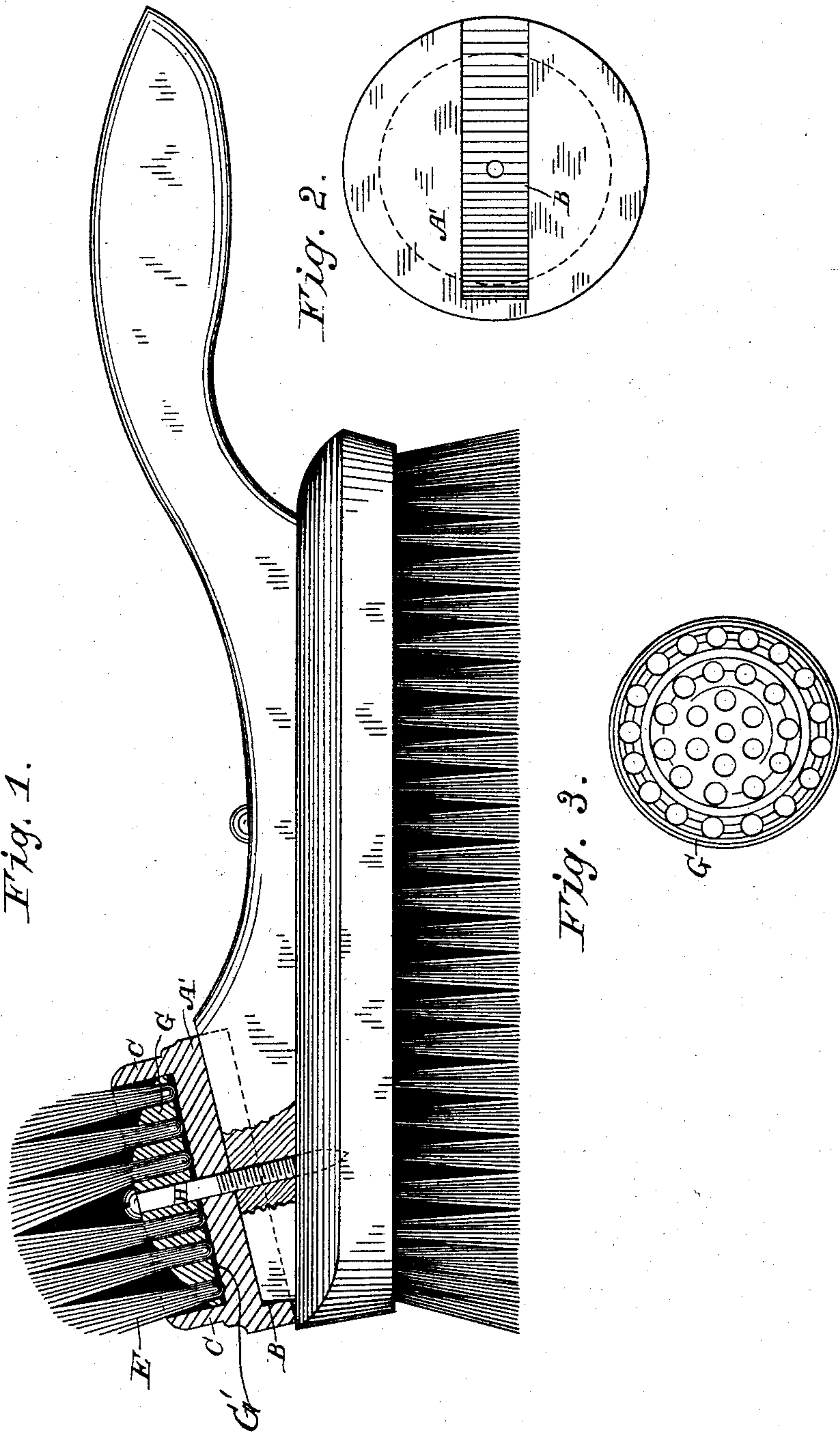
(No Model.)

J. AMES, Jr.

TOP KNOT FOR BLACKING BRUSHES.

No. 371,117.

Patented Oct. 4, 1887.



WITNESSES

E. A. Newman,
G. M. Newman.

INVENTOR

John Ames Jr.

By his Attorneys

Baldwin Hopkins & Peyton.

UNITED STATES PATENT OFFICE.

JOHN AMES, JR., OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO JOSEPH C. BONNER, OF SAME PLACE.

TOP-KNOT FOR BLACKING-BRUSHES.

SPECIFICATION forming part of Letters Patent No. 371,117, dated October 4, 1887.

Original application filed July 13, 1886. Divided and this application filed October 21, 1886. Serial No. 216,878. (No model.)

To all whom it may concern:

Be it known that I, JOHN AMES, Jr., of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Top-Knots for Blacking-Brushes or of Daubers for Blacking Boots or Shoes, of which the following is a specification.

My improvements relate to holders for the circular brush of bristles used for taking blacking from a box and depositing it upon boots or shoes to be polished.

The object of my improvements is to better secure the bristles in the holder, and they therefore relate particularly to the improved structure of the holder-block, reducing the cost of manufacture and improving the top-knot.

In the accompanying drawings, Figure 1 is a side elevation of a shoe-brush, partly in section, with my improvements applied to it. Fig. 2 is a bottom view of the holder. Fig. 3 is a top view of a block detached.

I have filed an application, No. 207,927, of which this is a division, showing a bristle-holder made of one piece of wood having a vertical annular flange or rim surrounding the base of the bristles and serving to hold them in place and to prevent them being broken down and packed and rendered unfit for use. In my present application I show the same annular flange having the same structure and functions; but my present improvements relate to making the holder of two pieces in a peculiar way, instead of one. In my present device I insert in the cup or cavity formed by the vertical annular flange C a block, G, preferably convex on its top, as shown, specially prepared preferably of suitable soft or plastic material—such, for example, as hemisite—formed in dies and hardened. This block is set in the cup of the holder A', the bottom of the cup being made flat and not bored for bristles on its under side, as illustrated.

The holder is mortised on its under side when to be applied upon a brush-handle, as shown at B in Figs. 1 and 2; but it need not necessarily be mortised when applied to a mere top-knot handle. Not being bored out either at the bottom or for the bristles, the cupped holder is therefore quite solid and strong.

To secure the block in place I may employ glue G', which will also serve to hold the bris-

ties, the glue being put in the cup, and the block, if need be, having its bottom dipped in glue and inserted in the cup. A screw, H, may be inserted in the center of the block, as usual, serving to secure the top-knot on the handle.

The dies for forming the block G may be simply a cup-shaped lower die and a series of punches or plungers projecting from a concave top or upper die, the dies being a counterpart of the form of the finished block and the upper die being capable of reciprocating movement by any ordinary means.

I prefer to use a convex block G, made of a separate piece, because it makes a better brush, avoids the boring of the holder, which weakens it, and is more economical to manufacture. Such a top-knot can be cheaply made, and presents a good appearance, and is stronger and will wear longer than the ordinary top-knot, even when made of a single piece, according to the plan shown in my said pending application, No. 207,927.

It is a very material improvement in the manufacture of top-knots for blacking purposes to avoid the usual boring, which can be done by the use of my block made of a separate piece and formed in dies. Such a block also prevents the exposure of the bottoms of the bristle tufts, and they are firmly held in place, the glue G' employed being also thoroughly covered and not exposed in any way.

Of course I might bore the holes for the bristle tufts in my block made of a separate piece; but it would not be economical, although in structure the finished block would be the same as if otherwise perforated. It is also practicable to use some kinds of wood for making my block, and for perforating the block it is better, where it is of suitable wood or other materials of the nature of wood, to heat them in hot water or by steam prior to punching the bristle-holes. Thick leather blocks might be employed, and also various other materials, such as vulcanized fiber, &c.

I make no claim in this application to the vertical annular flange C; but,

Having thus described my improvements, what I claim, and desire to secure by Letters Patent of the United States, is—

In a blacking-brush, the combination, with

a holder, A', having a cup, as described, that is not bored out at its bottom for bristles, of a bristle-block, G, perforated for bristle tufts, the perforations extending entirely through
5 the block and the block set in the cup of the holder and secured there by glue, so that the glue employed also serves to glue the bristles to the block and is covered by the block, so as to be protected, and an ordinary holding-screw,

H, to secure the top-knot to the brush, substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

JOHN AMES, JR.

Witnesses:

JOSEPH C. BONNER,
AGGIE S. RICHARDSON.