

D. FORBES.
Brush-Wheel for Polishing Glass.

No. 226,054

Patented Mar. 30, 1880.

Fig. 1.

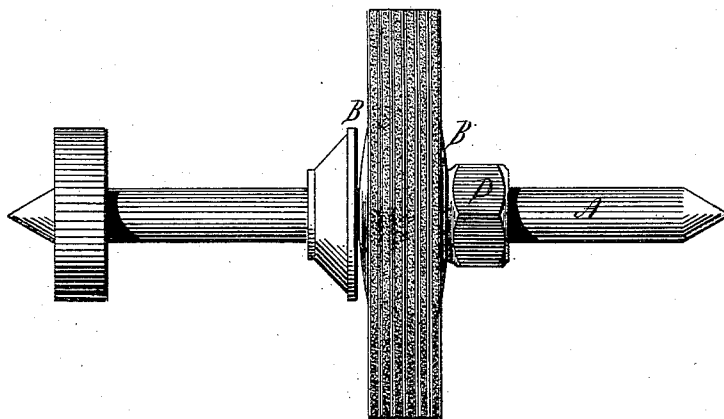
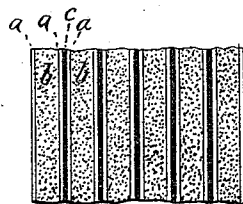


Fig. 2.



Witnesses

J. H. Chumley
Jos. C. Ealle

Daniel Forbes
Inventor
By atty
John G. Earl

UNITED STATES PATENT OFFICE.

DANIEL FORBES, OF WEST MERIDEN, CONNECTICUT.

BRUSH-WHEEL FOR POLISHING GLASS.

SPECIFICATION forming part of Letters Patent No. 226,054, dated March 30, 1880.

Application filed February 2, 1880.

To all whom it may concern:

Be it known that I, DANIEL FORBES, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Brush-Wheels for Polishing Glass; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, view of a portion of the wheel enlarged.

This invention relates to an improvement in brushes or wheels for polishing glass.

In the usual construction the brush is composed of tampico or other similar fiber, and the polishing is applied directly to the brush; but so great is the wear upon the brush that it requires constant renewal. The length of the brush-fiber was limited to about one inch, and so soon as worn away to nearly that extent the brush became useless.

The object of this invention is the construction of a brush which shall be more durable and also perform better and more rapid work; and it consists in the construction, as hereinafter described, and particularly recited in the claim.

The brush is composed of, first, a disk, *a*, of fabric, such as common cotton cloth; then a section, *b*, of radial fibers, such as tampico or other suitable material; then another disk, *a*, of fabric; then a disk, *c*, of paper or similar

material; then another disk of fabric, *a*, and another section of fiber, *b*; and so on, the disks of fiber alternating with disks of fabric and paper or equivalent material. These are placed upon the arbor A and secured thereon by plates B and nut D, in substantially the usual manner for securing the ordinary brush.

This construction preserves in the brush all the advantages of the radial fiber; but alternating with the disks of fabric and paper the fibers are held in their radial position and prevented from bending so as to present their longitudinal surface to the wear. The fabric retains the polishing material better than the fiber and wears less than the fiber alone.

Because of the support given to the fiber by the intermediate disks, very much smaller plates may be used for the same diameter of brush than when the fiber is used alone. Hence a much greater extent of brush is attained, as well as a more durable polishing-surface.

Other materials than fabric and paper may be employed as equivalents therefor without departing from this invention.

I claim—

The herein-described polishing brush or wheel, consisting of the sections of brush-fiber with intermediate disks of fabric and paper, substantially as described.

DANIEL FORBES.

Witnesses:

GEO. E. HATCH,

JNO. M. BLACKBURN.