

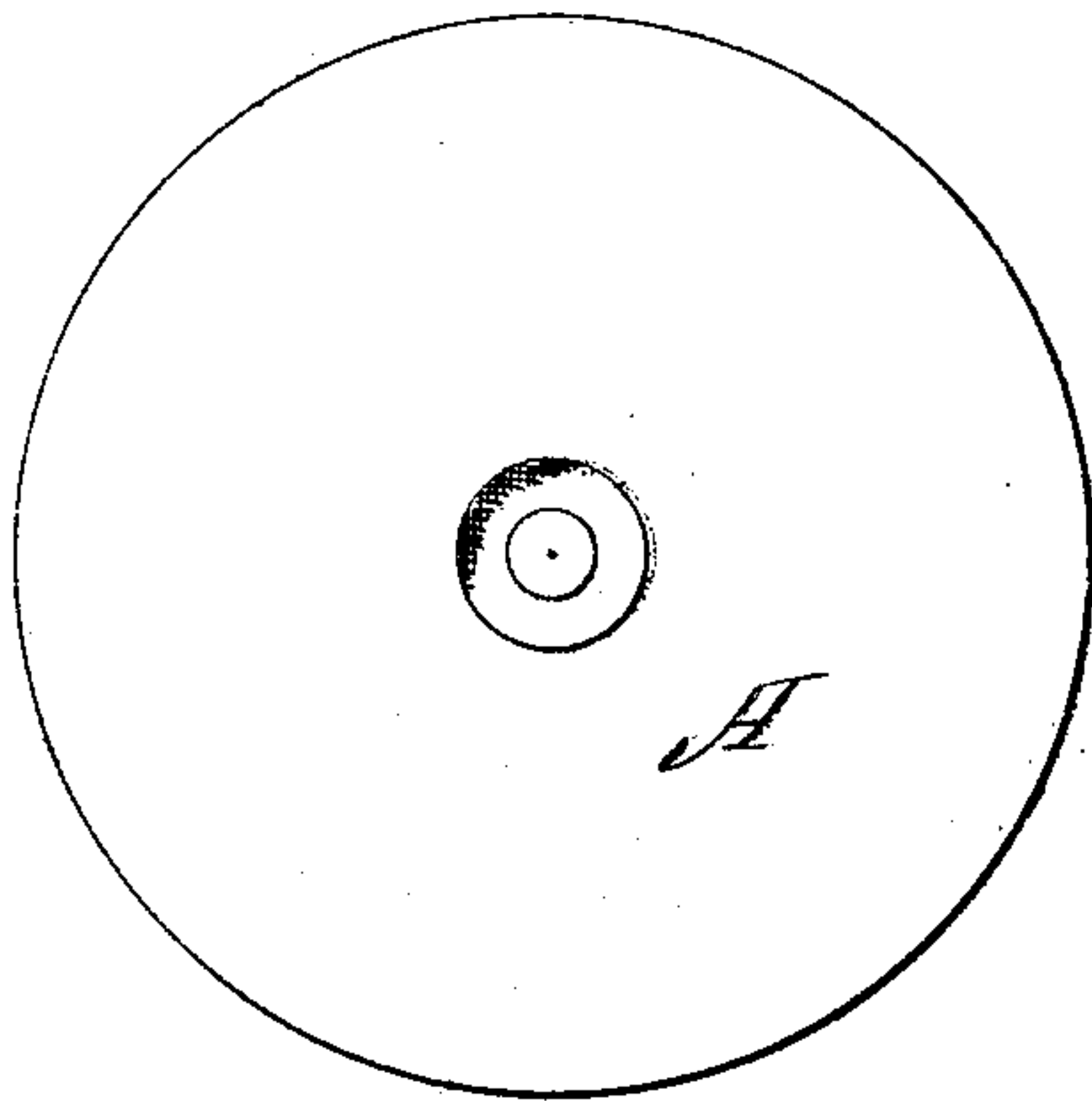
*J. K. Merrick,*

*Dentist's Grinding Wheel.*

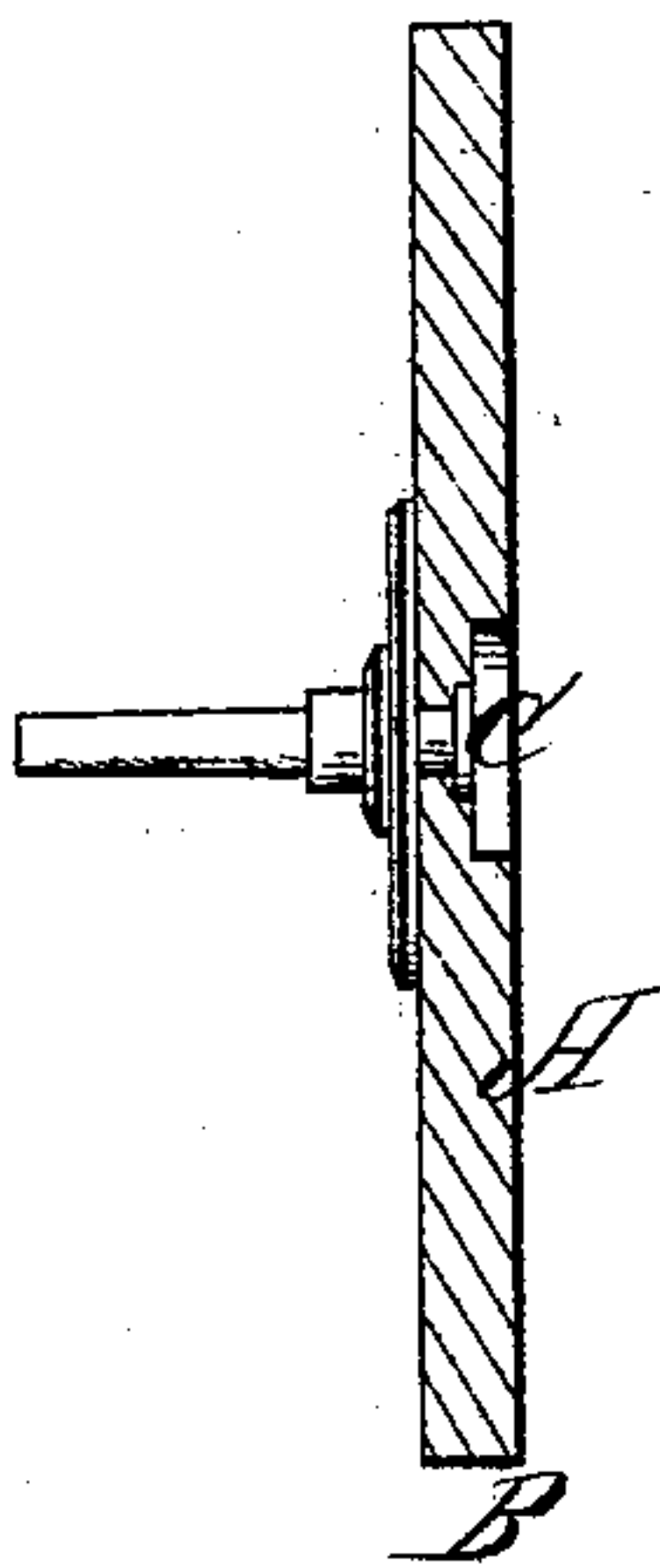
*No. 95,823.*

*Patented Oct. 12, 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Clinchman*  
*Geo. F. Brooks*

*Inventor:*

*J. K. Merrick*  
PER *W. W. Merrick*

# United States Patent Office.

JOHN K. MERRICK, OF ODELL, ILLINOIS.

*Letters Patent No. 95,823, dated October 12, 1869.*

## IMPROVED DENTISTS' GRINDING AND POLISHING-WHEEL.

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, JOHN K. MERRICK, of Odell, in the county of Livingston, and State of Illinois, have invented a new and useful Improvement in Dentists' Grinding-Wheels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in wheels for dentists' use, for grinding and polishing teeth, designed to provide a more efficient wheel than any now in use.

The invention consists in the construction of such wheels of glass, and in a form best calculated to promote the efficiency thereof, as hereinafter more fully specified.

Figure 1 represents a face view of my improved wheel, and

Figure 2 represents a transverse sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

I have found by practical demonstration that glass is a much better substance for grinding and polishing teeth, in dental practice, than any other known.

I propose, therefore, to construct these wheels of

glass, as represented at A, making them smooth both on the face B and side A, the requirements being such as to provide for grinding both on the face and side, and to provide for wearing them evenly on the side A.

I make, at the centre thereof, around the axial hole for supporting them on the mandrel or chuck, a depression or recess, C, forming a ledge between which, and the periphery, the surface may be maintained in an even condition by judicious grinding.

In the bottom of the said recess C, I form another recess for the head of the pin or screw, for securing the wheel to the mandrel.

I have found, also, that the dust worn off from these wheels forms an excellent polishing-powder, better than now used for polishing the rubber plates, which I propose to utilize for that purpose, whereby a further economy results from the use of these wheels.

Having thus described my invention,

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

Glass dental grinding and polishing-wheels, secured upon a mandrel, as herein described, as an improved article of manufacture.

JOHN K. MERRICK.

Witnesses:

JOHN M. CLARKE,  
D. A. WALDEN.