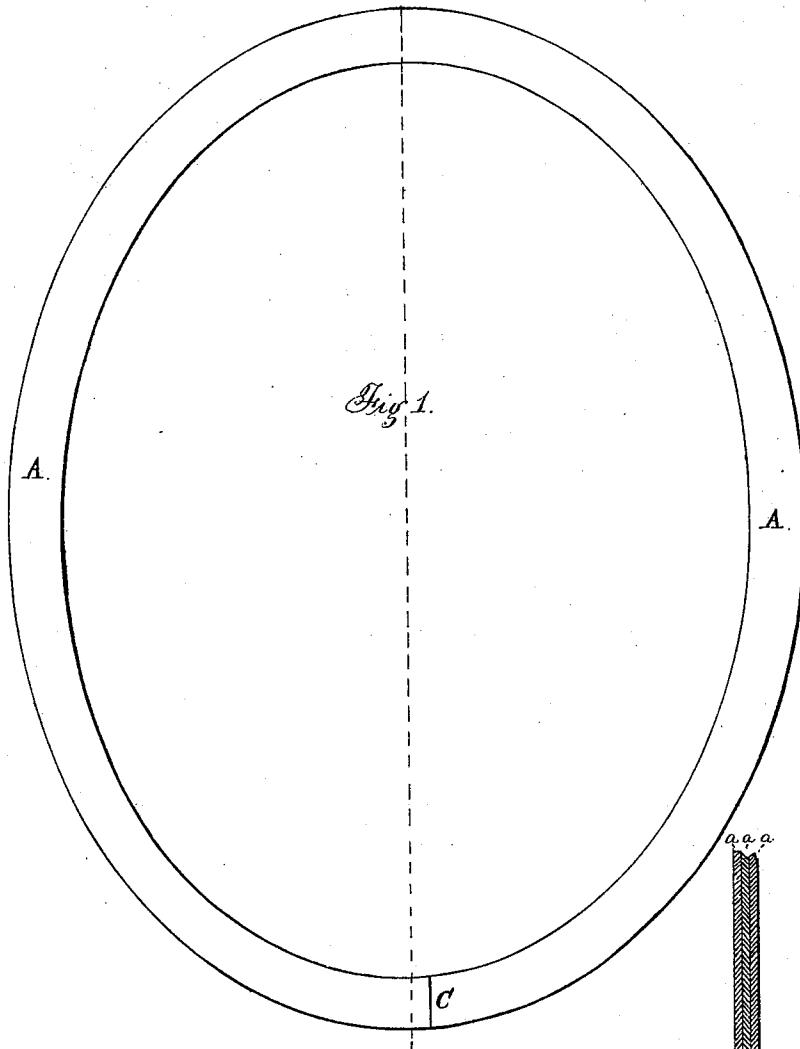


*Williams & Chinmook,*

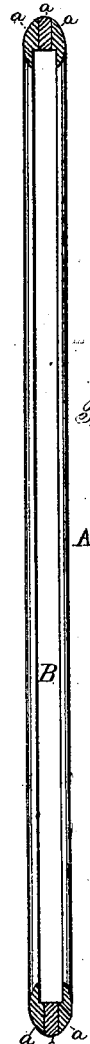
*Mirror.*

*No. 103809.*

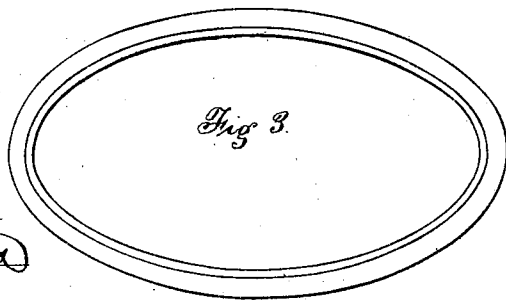
*Patented May 31, 1870.*



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

*Witnesses*  
*M. J. Burris*  
*Charles Myers*

*Inventors*  
*Williams and*  
*Chinmook*  
*per their atty.*  
*G. B. Frodo*

# United States Patent Office.

EDWARD P. WILLIAMS, OF ELIZABETH, NEW JERSEY, AND GEORGE H. CHINNOCK, OF NEW YORK, N. Y.

Letters Patent No. 103,809, dated May 31, 1870.

## IMPROVEMENT IN TOILET-MIRROR AND OTHER FRAMES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, EDWARD P. WILLIAMS, of Elizabeth, in the county of Union and State of New Jersey, and GEORGE H. CHINNOCK, of the city, county, and State of New York, have invented a new and improved Method of Making Toilet-mirror and other similar Frames; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification.

Figure 1 is a front view of a toilet-mirror or other similar frame.

Figure 2 is a sectional view.

Figure 3 is a back view of a toilet-mirror frame.

Figure 4 is a sectional view of several layers of veneering.

Like letters in the different figures of the drawing indicate like parts.

Our invention consists of a mirror-frame made of wood, formed by gluing together thin layers with the grain arranged transversely, the frames being afterward cut out by scroll-saws, and the groove formed in a lathe with a turner's chisel, and then cut apart in one place, to insert the glass and back.

We take a suitable number of thin layers of wood, *a a a*, say three or more, as the size of the frame may require, and glue them together, with the grain of each alternate layer arranged transversely.

The whole is then put into a clamp, and kept there awhile until the glue has become hard, when the frame *A* is cut out by a scroll-saw to the size and shape desired.

It is then placed in a lathe, and the groove *B* formed by a turner's chisel, after which one end is cut through with a fine saw at *C*, and the glass and back inserted in the groove, by springing apart the ends on either side of the cut, and then gluing them together.

In case the glass should accidentally get broken at any time, by putting the glued end in warm water, to soften the glue, the ends may be easily worked apart and a new glass inserted, the ends being glued together again.

By this method of securing the glass and back in the frame we are enabled to accomplish it with less time and labor than ordinarily, and besides, giving a neater and better finish to the back of the mirror-frame.

The object of arranging the grain of the wood transversely, as above described, is to prevent the springing or warping of the frame, and, consequently, the breaking of the mirror, which frequently happens from this cause.

Instead of gluing the cut ends together as described, they may be fastened by a hook or other suitable fastener, so that the glass and picture in picture-frames may be conveniently removed and cleaned at any time.

Having thus fully described our invention,

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

The toilet-mirror frame, when made of different layers of wood, arranged and glued together as described, the groove being formed and the frame cut apart to admit the glass and back, and then secured together, all substantially as described.

As evidence that we claim the foregoing as our invention, we have hereunto set our hands in the presence of two witnesses.

EDWARD P. WILLIAMS.  
GEO. H. CHINNOCK.

Witnesses:

H. C. UPPERMAN,  
HENRY B. RIGGS.