

J. L. WARREN & J. W. ADDERLEY.  
Picture-Frames.

No. 143,861.

Patented Oct. 21, 1873.

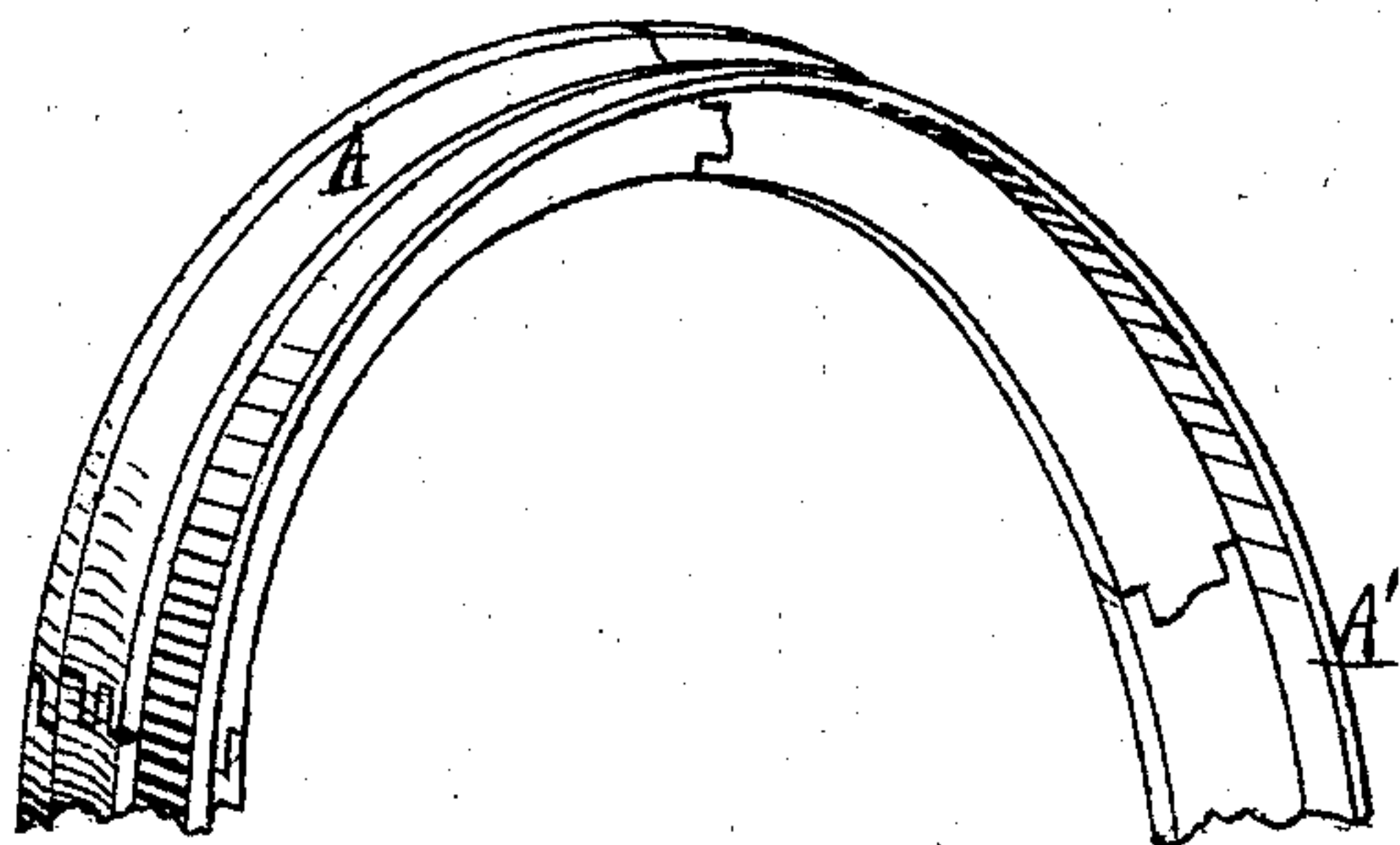


Fig. 1.

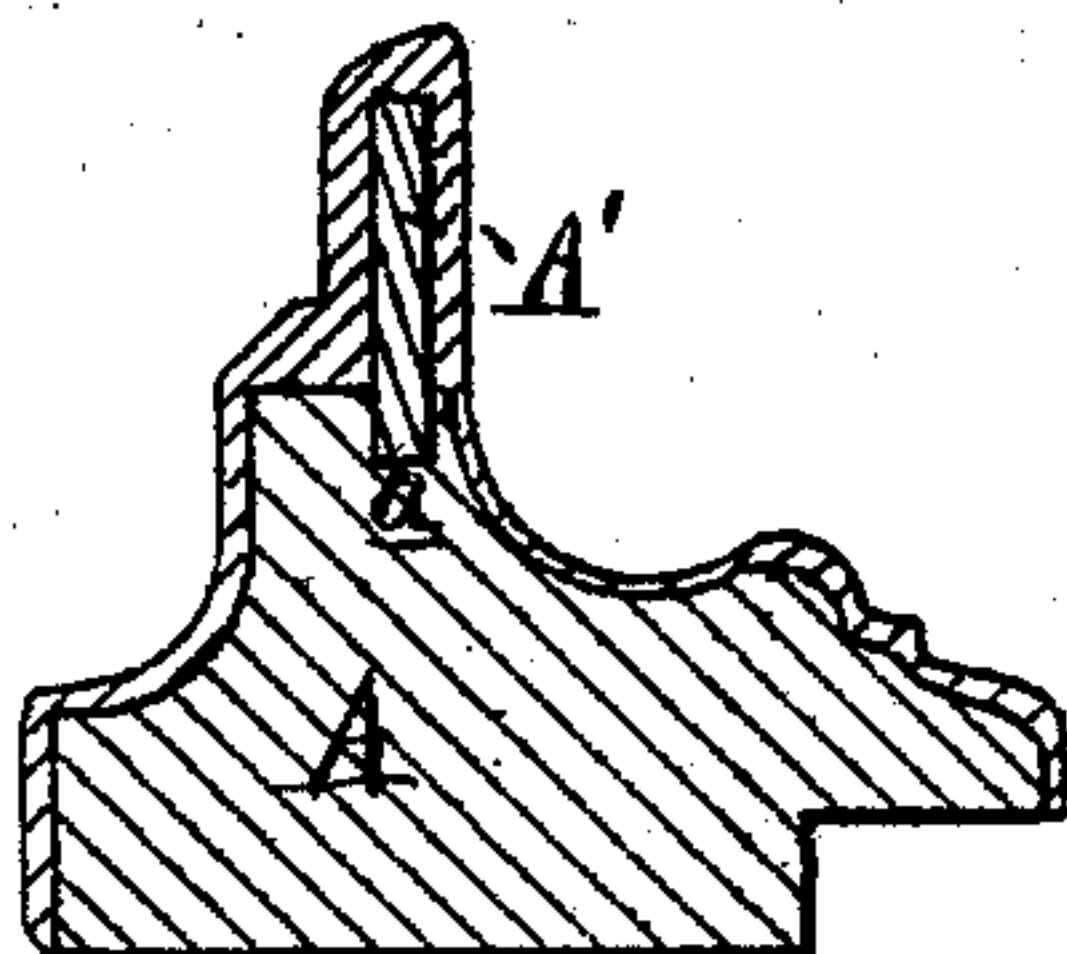


Fig. 2.

ATTEST.

*H. J. Sprague*  
*H. F. Eberts*

INVENTOR.

*John L. Warren and*  
*John W. Adderley*  
By Atty -  
*Thos. L. Sprague*

# UNITED STATES PATENT OFFICE.

JOHN L. WARREN AND JOHN W. ADDERLEY, OF DETROIT, MICHIGAN.

## IMPROVEMENT IN PICTURE-FRAMES.

Specification forming part of Letters Patent No. **143,861**, dated October 21, 1873; application filed March 8, 1873.

*To all whom it may concern:*

Be it known that we, JOHN L. WARREN and JOHN W. ADDERLEY, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in the Manufacture of Oval and Curved Picture-Frames; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of a part of an oval frame constructed after our improved manner. Fig. 2 is a cross-section of the same.

This invention relates to an improvement in the construction of curved, oval, or circular picture-frames of that class which are coated with composition as a finish for receiving the color or gilding; and has for its object to reduce the amount of lumber required for their manufacture. The invention consists in making the narrow projecting fillet of the molding separately, of a thin hoop of timber, bent and secured in a rabbet of the molding, in the manner more fully hereinafter set forth.

In the manufacture of turned oval frames of this class, pine or other soft lumber is used, and if not over one inch in thickness, cull lumber, costing from twelve to fifteen dollars per thousand feet, can be used for the purpose; but if the molding be over an inch thick—say, one and a half inch—lumber costing three times

that price must be used, for the reason that no cull boards over one inch thick are made in the manufacture of lumber. Aside from this economy to be secured, there is another, in the actual amount of material to be used in producing a frame of a given thickness.

In the drawing, A represents the molding of an oval picture-frame, having a projecting fillet, A', which is a separate hoop of thin lumber, bent and sprung into a fillet, *a*, cut in the projecting face of the molding, where it is secured by brads or glue, or both.

In the manufacture of frames of one and a half inch molding, the principal molding may be turned from one-inch lumber, and the half-inch fillet secured thereto in the manner described, and thus save a large quantity of material heretofore uselessly cut away to project the narrow fillet A'.

In frames made of walnut and other hard woods the same relative economy in quantity of material used obtains.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the molding A, having the rabbet *a*, with the fillet A', as and for the purpose described.

JOHN L. WARREN.

JOHN W. ADDERLEY.

Witnesses:

H. F. EBERTS,  
THEO. S. DAY.