

J. ZIHLMANN.
Glass-Molds.

No 154,164.

Patented Aug. 18, 1874.

Fig 1

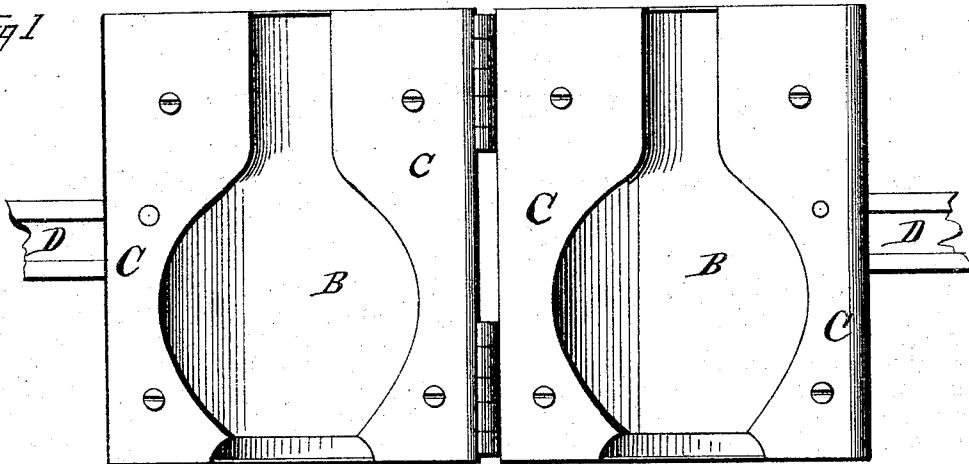
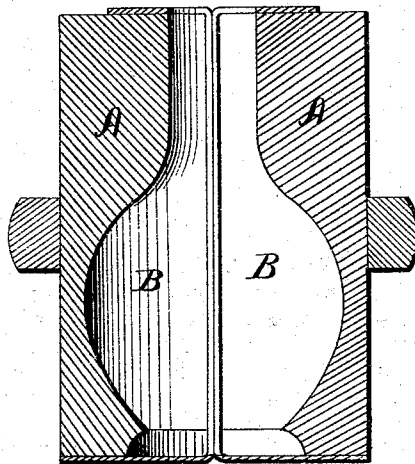


Fig 2



WITNESSES

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UNITED STATES PATENT OFFICE.

JOSEPH ZIHLMANN, OF BELLAIR, OHIO.

IMPROVEMENT IN GLASS-MOLDS.

Specification forming part of Letters Patent No. **154,164**, dated August 18, 1874; application filed August 6, 1874.

To all whom it may concern:

Be it known that I, JOSEPH ZIHLMANN, of Bellair, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Molds for Making Glass Articles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a new and improved glass-mold for giving shape to blown glass; and consists in forming the body of the wooden leaves of the mold with facings of metal, as hereinafter set forth and claimed.

In the drawings, Figure 1 is a plan view of the open molds, looking upon the faces of the leaves. Fig. 2 is a cross-section through the handles and the leaves of the mold.

A A are the leaves which form the body of the mold formed from wood. Each leaf has its form B, which, when the leaves are closed together, form the matrix of the mold. Each leaf upon its face is covered with a metallic plate, C, and these plates are bent over the edges of the leaves, as shown in Fig. 2, so as to firmly inclose and incase the leaves, respectively, and the metallic plates in the present instance form the bottom of the mold. The metallic plates are cut away along their central portions to conform to the matrix of the mold, and the two leaves are hinged to each other at one edge of the metallic plates, so as to open and close the mold-leaves A A.

Handles D are provided upon each leaf, respectively, as usual.

The object of my invention is as follows: The employment of the wood dispenses with the expense of metallic leaves, and the metallic faces prevent lateral wear by burning, and the faces can be readily removed, and the wood beneath dressed down, so as to compensate for such wear in other places, leaving it again ready for use.

Heretofore in using wooden molds difficulty has been experienced by the wood burning away laterally at the plane of juncture of the leaves. By my metallic plates the wood is preserved at the sides next to the plates from burning away laterally, and all wear by burning in other directions is readily compensated by removing the metallic plates and planing down the wood beneath.

What I claim is—

1. The glass-mold herein described, composed of wooden leaves A and removable metallic faces C, substantially as and for the purposes set forth.

2. The combination of wooden leaves A, metallic plates C, hinged at their edges, and made to overlap the edges of the leaves A, and handles D, substantially as set forth and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of June, 1874.

JOSEPH ZIHLMANN.

Witnesses:

LEVERETT L. LEGGETT,
J. TYLER POWELL.