

No. 786,116.

PATENTED MAR. 28, 1905.

A. R. GROTZ.
PRESS MOLD FOR HANDLED GLASSWARE.
APPLICATION FILED NOV. 1, 1904.

Fig. 1.

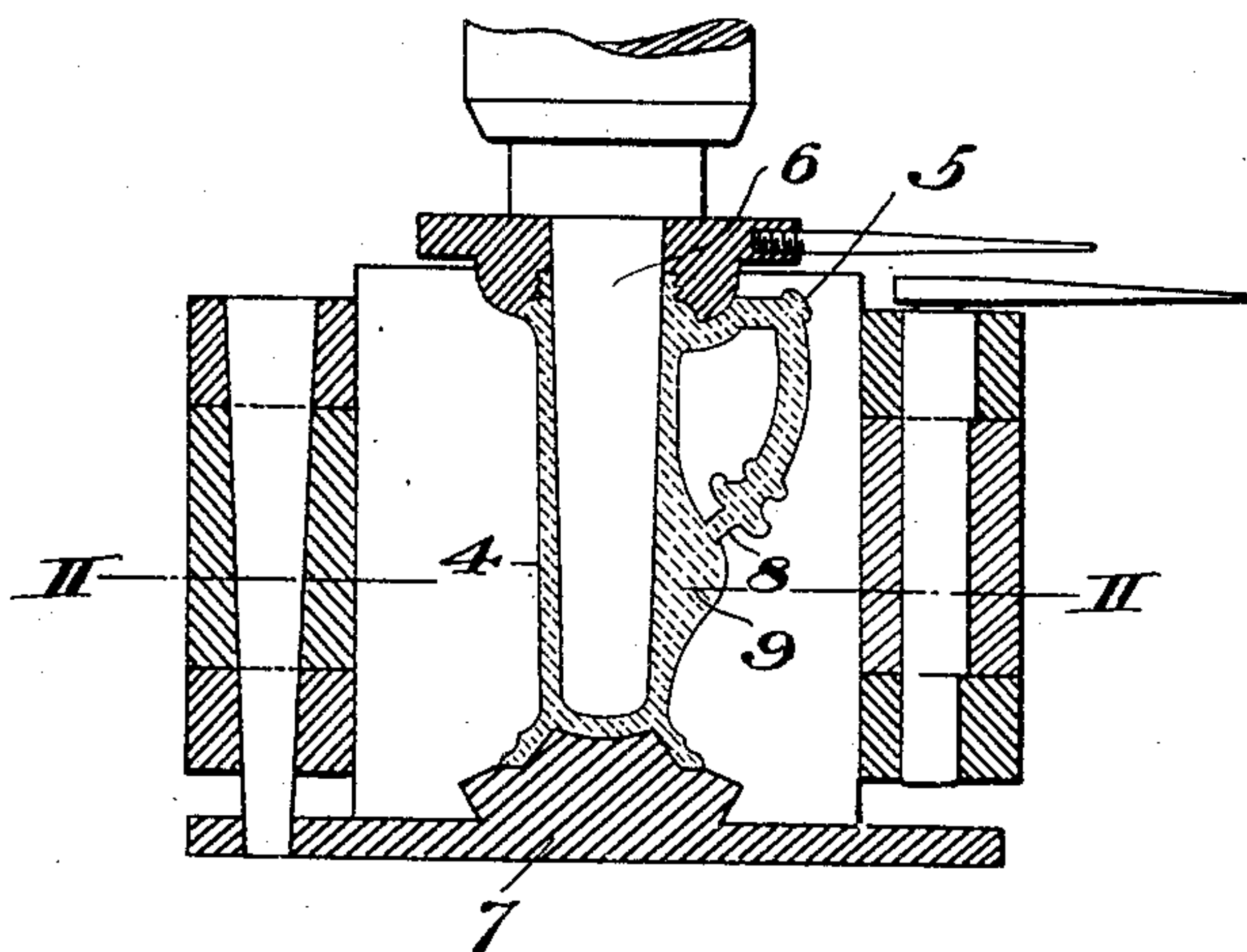
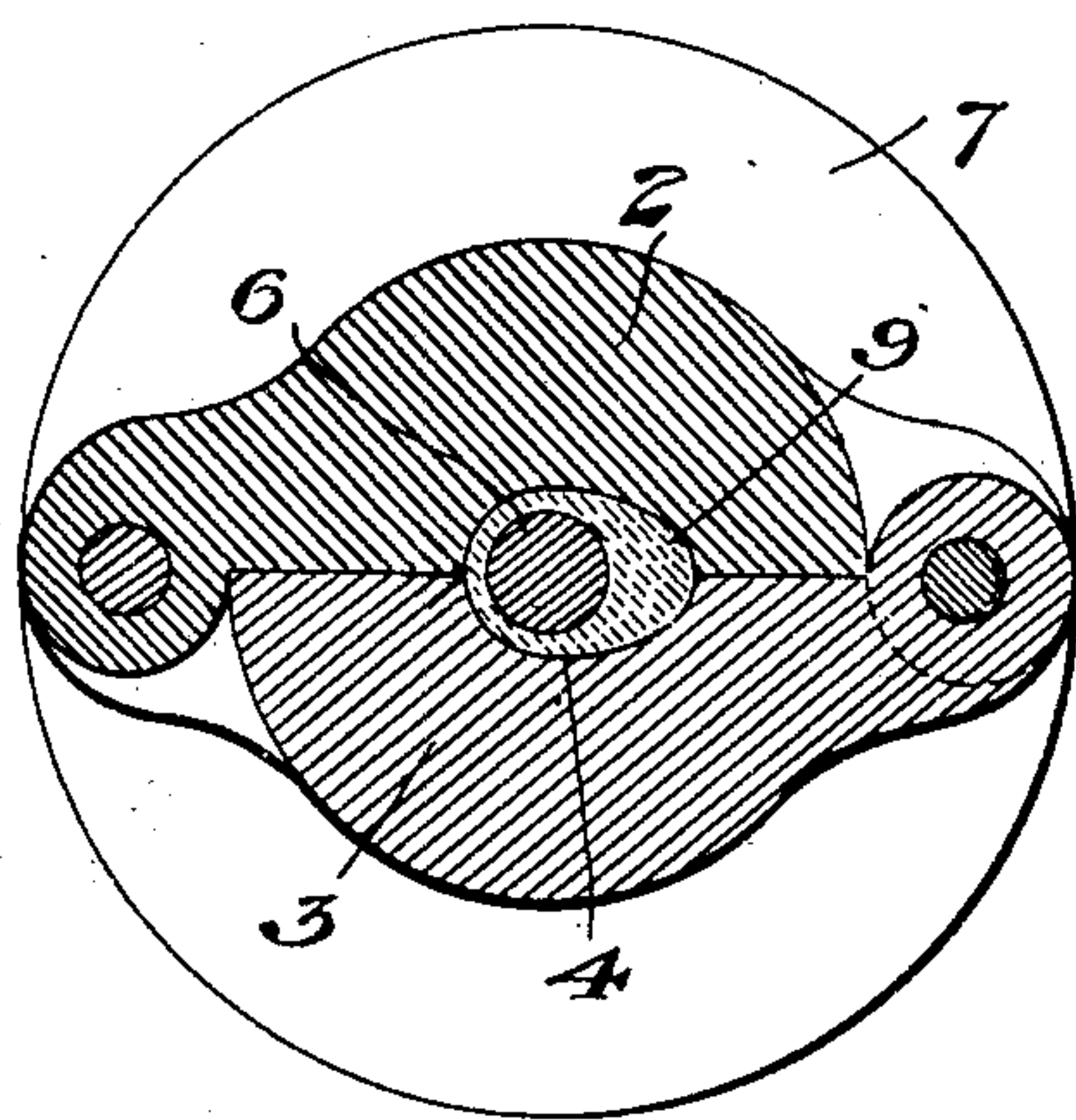


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALBERT R. GROTZ, OF WELLSBURG, WEST VIRGINIA, ASSIGNOR OF ONE-HALF TO EAGLE GLASS AND MANUFACTURING COMPANY, OF WELLSBURG, WEST VIRGINIA, A CORPORATION OF WEST VIRGINIA.

PRESS-MOLD FOR HANDLED GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 786,116, dated March 28, 1905.

Application filed November 1, 1904. Serial No. 230,943.

To all whom it may concern:

Be it known that I, ALBERT R. GROTZ, of Wellsburg, Brooke county, West Virginia, have invented a new and useful Press-Mold for Handled Glassware, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical central section of my improved mold, showing the pressing of a handled glass article; and Fig. 2 is a cross-section on the line II II of Fig. 1.

My invention relates to the class of press-molds for forming hollow blanks having handles, and is designed to provide an improved mold which will produce an article better adapted for expanding into the finished article than those heretofore pressed.

To that end the invention consists in a press-mold having a handle-forming cavity which is connected at its lower end with the body-forming cavity by a narrow neck or channel adapted to form a bridge or pin connecting the handle and body of the pressed blank.

It also consists in a mold having an enlarged or cut-away cavity to form a thicker portion in the body at the lower end of the handle, thus preventing the undue thinning of the glass body during expanding, due to stretching over the lower end of the handle.

In the drawings I show a mold as formed in two parts 2 3, having registering cavities forming the body matrix-cavity 4 and the handle-cavity 5.

6 is the pressing-plunger, which may be of any desirable form, and 7 the base-plate.

The handle-forming cavity does not lead to the body-forming cavity, but is connected therewith by the small neck 8, in which is formed a bridge or pin of glass connecting the lower end of the handle with the body. The cavity for the body is enlarged at the lower end of the handle, so as to form a thickened body of glass 9 at one side of the article and below the handle.

The pressing is carried out in the ordinary manner, forming a pressed article with a han-

dle connected to the body at its lower end by a small bridge or pin of glass and with a thickened wall to which the handle is connected. When the article is blown, the glass pin or bridge is forced into the handle, preventing the air from entering it, and the thick wall of glass prevents thinning out of the glass as it is forced over the lower end of the handle. I am thus enabled to successfully make handled ware in one piece with ease and rapidity.

The advantages of my invention result from the shaping of the press-mold so as to form a narrow channel between the lower end of the handle and the body and also from the cutting away of the body-forming cavity to provide a thick wall at the side or sides of the blank below the handle or handles.

Many changes may be made in the form and arrangement of the mold, the shape of the matrix-cavity, &c., without departing from my invention.

I claim—

1. A press-mold for handled glassware having a handle-forming cavity connected at both ends with the body-forming cavity, said connection at the lower end of the handle being reduced in size to form a relatively small neck or channel; substantially as described.

2. A press-mold for handled ware, having a body-forming cavity recessed or cut away at the lower end of the handle-forming cavity, and arranged to form a thicker wall of the glass article in this portion; substantially as described.

3. A press-mold for handled ware having its body-forming portion recessed to form a thick wall of glass at one or more sides, and a handle-forming cavity connecting therewith by a narrow neck or channel; substantially as described.

In testimony whereof I have hereunto set my hand.

ALBERT R. GROTZ.

Witnesses:

JAMES PAINE,

MINNIE E. LINTON.