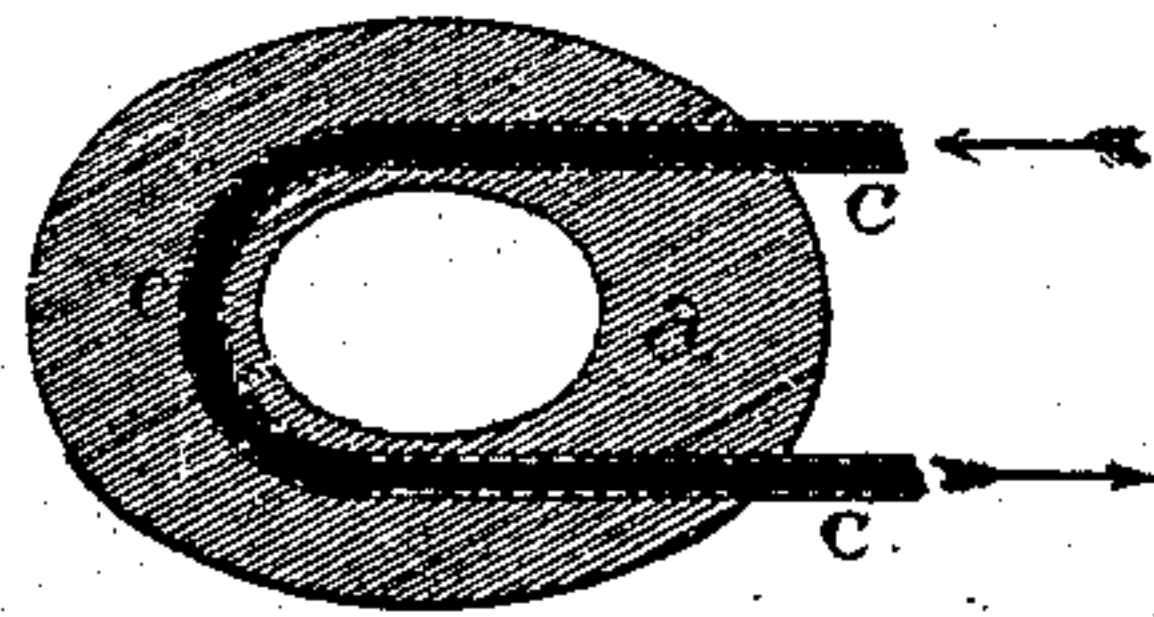


**J. DESPER.**  
**Dies for Pressing Hats.**

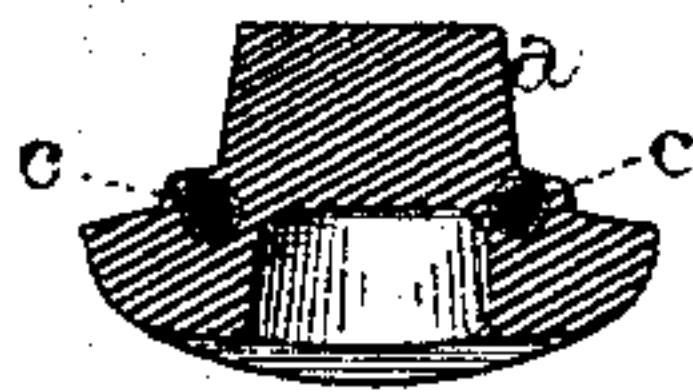
No. 139,708.

Patented June 10, 1873.

*Fig. 1.*



*Fig. 2.*



WITNESSES.

*Wm. Johnson.*  
*Wm. H. Hendig.*

INVENTOR.

*Jason Desper*  
*per*  
*J. A. Lehmann, Atty.*



# UNITED STATES PATENT OFFICE.

JASON DESPER, OF BARRE, MASSACHUSETTS.

## IMPROVEMENT IN DIES FOR PRESSING HATS.

Specification forming part of Letters Patent No. **139,708**, dated June 10, 1873; application filed April 25, 1873.

*To all whom it may concern:*

Be it known that I, JASON DESPER, of Barre, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Heating Hat-Dies; 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:

The nature of my invention relates to an improvement in dies for pressing hats; and it consists in casting the die around a pipe, suitably arranged in the mold, through which pipe steam is kept constantly passing, as will be more fully described hereafter.

Figure 1 represents a vertical cross-section of my invention. Fig. 2 is a longitudinal section of the same.

*a* represents a common hat-die, cast around the steam-pipe *c*, suitably arranged in the mold so that the melted metal will adhere to the pipe and with it form a solid die. The pipe may be arranged so as to coil around in

the die, as may be desired, and through which a current or jet of steam will be kept constantly passing so as to impart an even and uniform heat to the die, which can be readily controlled and regulated, the steam in no case coming in contact with the mold or die itself, nor stopping in its passage through. By means of this pipe a more steady even heat is imparted to the die than can be done with the use of a chamber, the heat is more readily controlled, and the device is simpler and more easily managed in every way, besides being much cheaper.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A hat-die formed by casting the metal around a steam-pipe arranged in the mold, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

JASON DESPER. [L. S.]

Witnesses:

R. JOHNSON,  
HENRY J. SHATTUCK.