

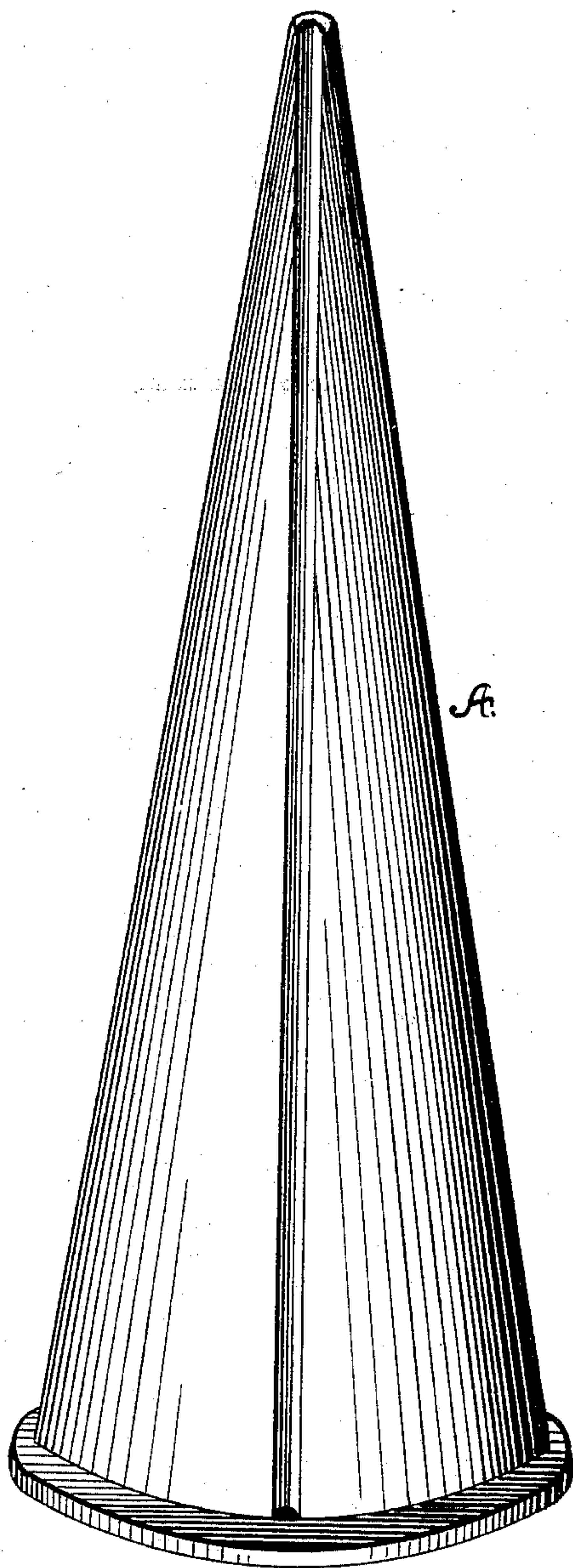
(No Model.)

D. E. MACCARTHY.

ANVIL.

No. 314,390.

Patented Mar. 24, 1885.



WITNESSES

L. Fred. Heller.
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INVENTOR

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UNITED STATES PATENT OFFICE.

DENNIS E. MACCARTHY, OF MAPLEWOOD, ASSIGNOR TO THE WILEY & RUSSELL MANUFACTURING COMPANY, OF GREENFIELD, MASSACHUSETTS.

ANVIL.

SPECIFICATION forming part of Letters Patent No. 314,390, dated March 24, 1885.

Application filed October 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, DENNIS E. MACCARTHY, a citizen of the United States, residing at Maplewood, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Mandrels; 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 appertains to make and use the same.

My invention relates to the art of forging; and the nature thereof consists in providing a conical mandrel, or a mandrel having the form of a conical frustum, with a groove extending the whole length of the exterior thereof from top to bottom for the purpose of facilitating the making of rings or forgings having an interior circular form.

In the accompanying drawing, the figure illustrates a mandrel having my improvement applied thereto.

The mandrel A, which in this instance is

the frustum of a cone, is made of cast-iron, and has formed upon its exterior a groove sunk one or two inches below the surface, and equal in length to the slant height of the frustum. This groove allows room for the tongs which hold the ring or other article to be forged or the eyebolt which may be upon it, and thus allows the forging to be conveniently held by the tongs, or permits the eyebolt to be within the slot or groove.

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

A forging-mandrel having a groove formed on and beneath its exterior surface, as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

DENNIS E. MACCARTHY.

Witnesses:

ALPHONZO RISLEY,
JOHN A. STOUGHTON.