

(No Model.)

J. T. WILSON.
BLANK FOR DRAW BAR HEADS.

No. 367,735.

Patented Aug. 2, 1887.

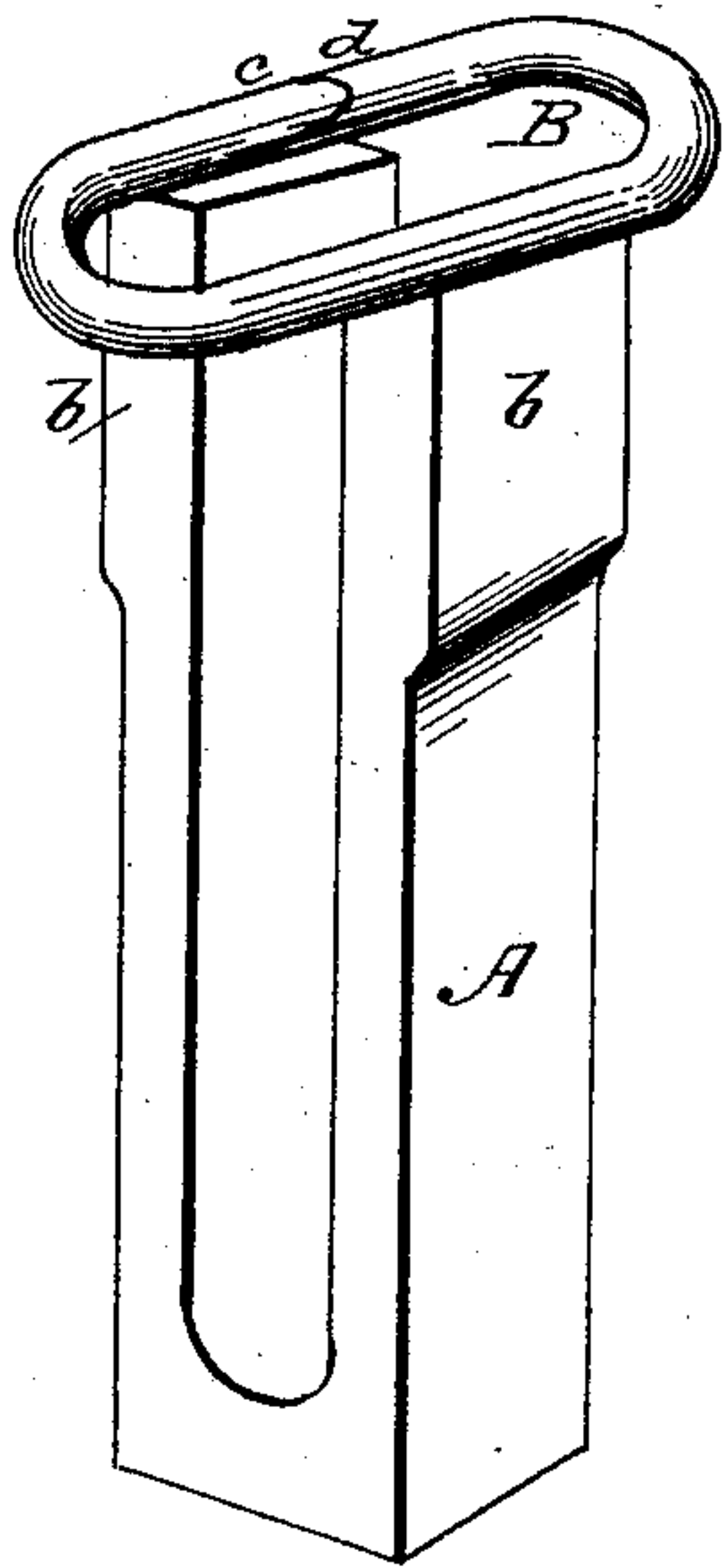


Fig. 1

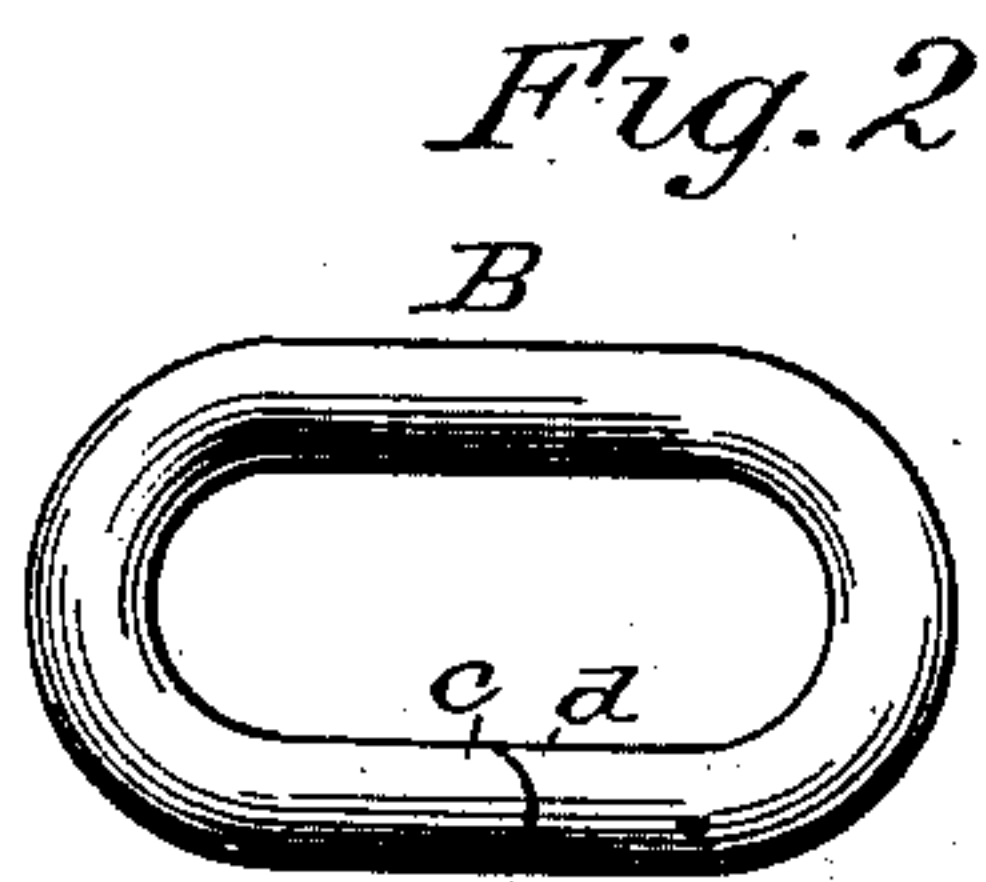


Fig. 2

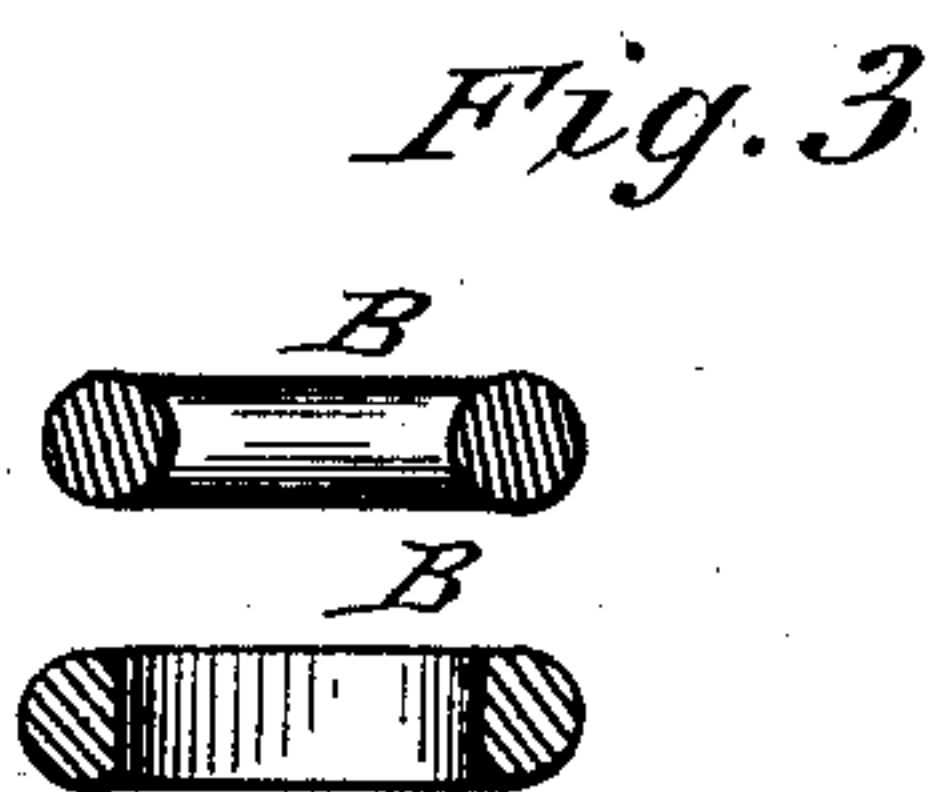


Fig. 3

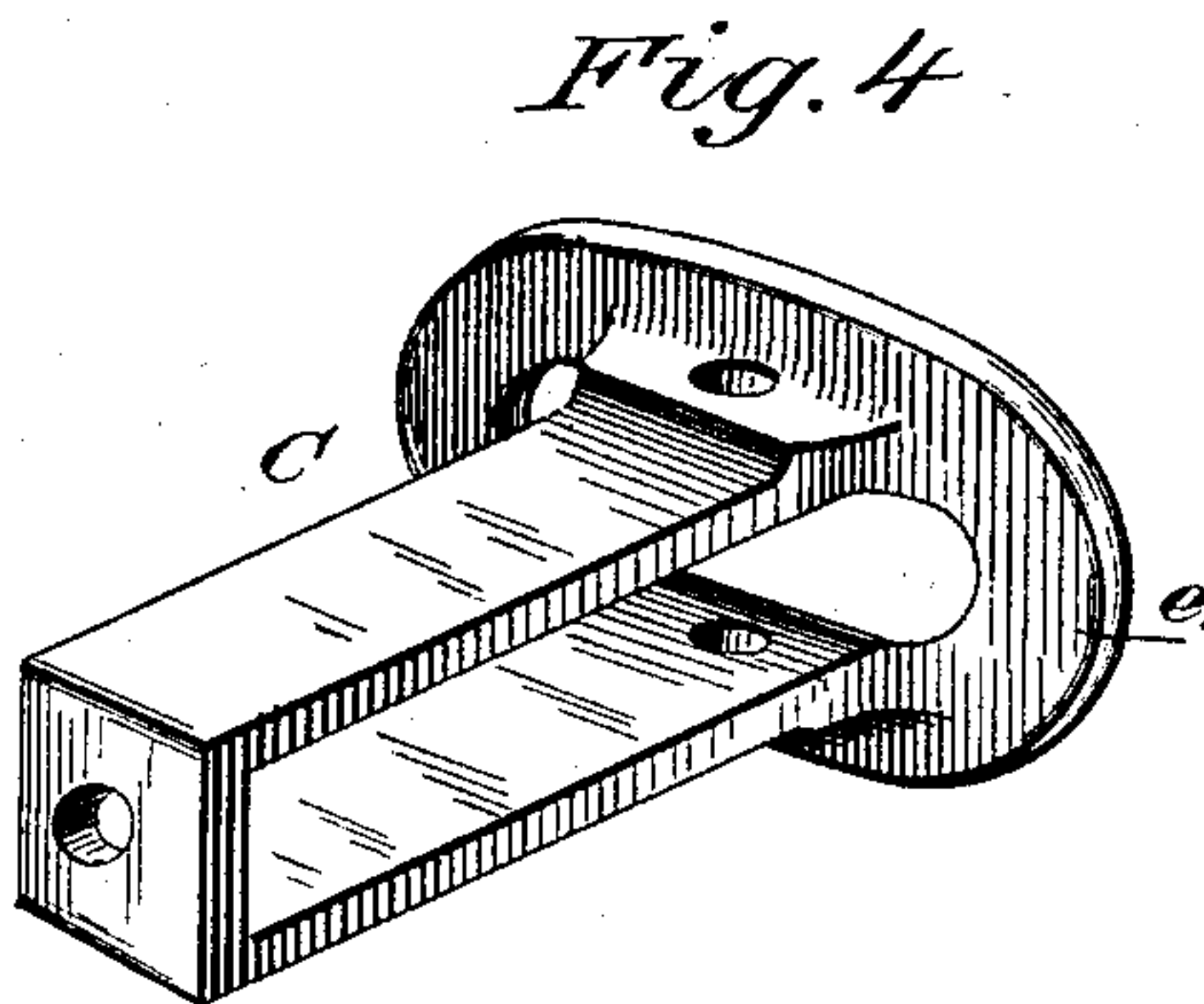


Fig. 4

Witnesses
Fred G. Dieterich
Wm. E. Dyre.

Inventor
J. T. Wilson
By his Attorneys
Johnston, Reinohl & Dyre

UNITED STATES PATENT OFFICE.

JOHN T. WILSON, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS
TO JAMES HILL AND THE PITTSBURGH FORGE AND IRON COMPANY, BOTH
OF SAME PLACE.

BLANK FOR DRAW-BAR HEADS.

SPECIFICATION forming part of Letters Patent No. 367,735, dated August 2, 1887.

Application filed June 11, 1887. Serial No. 241,040. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. WILSON, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Blanks for Draw-Bar Heads; 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 blanks for draw-bar heads, and has for its object the construction of a blank in which the edges around the perimeter of the head are rounded, in order to avoid the necessity of finishing the edges by means of a fuller or other hand-tool after the blank for the head has been welded to the blank forming the body of the draw-bar.

In the manufacture of draw-bars as heretofore conducted the edges of the head have had to be rounded by hand. I overcome this difficulty, and consequently reduce the labor and expense attending it, by making the blank from rod or bar metal of such a configuration in cross-section that there are no sharp or right-angled edges on the blank, and consequently none on the head of the draw-bar to be rounded after the two blanks have been welded together.

My invention will be hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective showing a blank for the body of a draw-bar of ordinary construction and my improved blank for the head of the draw-bar in the position in which they are welded together. Fig. 2 is a plan of my improved blank for the head of a draw-bar. Fig. 3 represents a transverse section of the same, and Fig. 4 is a perspective of a finished draw-bar.

Reference being had to the drawings and the letters marked thereon, A represents a blank for the body of a draw-bar re-enforced at *a b*, and is of ordinary construction.

B is a blank for the head of a draw-bar, and is made out of rolled rod or bar metal rounded, oval, or D-shaped in cross-section, as shown in Fig. 3. A rod or bar is cut into lengths suitable to form the size of head desired, the ends chamfered on opposite sides and bent into the form of an ellipse, with the chamfered ends *c d* overlapping each other on one side of the blank. The blank thus formed is placed on the free ends of the body-blank A, with its free overlapping ends over one side of said blank, as shown in Fig. 1, has its free ends welded, and the blank B is welded to the free ends of the blank A by means of suitable dies, shown, described, and claimed in another application filed herewith, Serial No. 241,039. A blank thus formed out of rod or bar metal of the configuration shown and described produces a head for a draw-bar which requires no hand-work to finish it after the head has been formed in the dies. The edges being already rounded, no fin is formed and the form of the edges is preserved, and at the same time a head is produced in which a continuous fiber of the metal is presented.

C represents a finished draw-bar in which the rounded edge *e* is clearly shown.

Having thus fully described my invention, what I claim is—

A blank for draw-bar heads, made from a section of a rod of round, oval, or D-shaped metal, having its ends chamfered and bent into the form of an ellipse, with its free ends overlapping on one side of the blank jointly with a blank for the body of the bar, the blank for the head being applied to the free ends of the blank for the body, with the overlapping ends of the former over one side of the latter, whereby three welds are formed at one operation, substantially as described.

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

JOHN T. WILSON.

Witnesses:

S. WOLF,

D. C. REINOHLE.