

(No Model.)

J. T. WILSON.

MANUFACTURE OF DRAW BARS.

No. 356,813.

Patented Feb. 1, 1887.

Fig. 1.

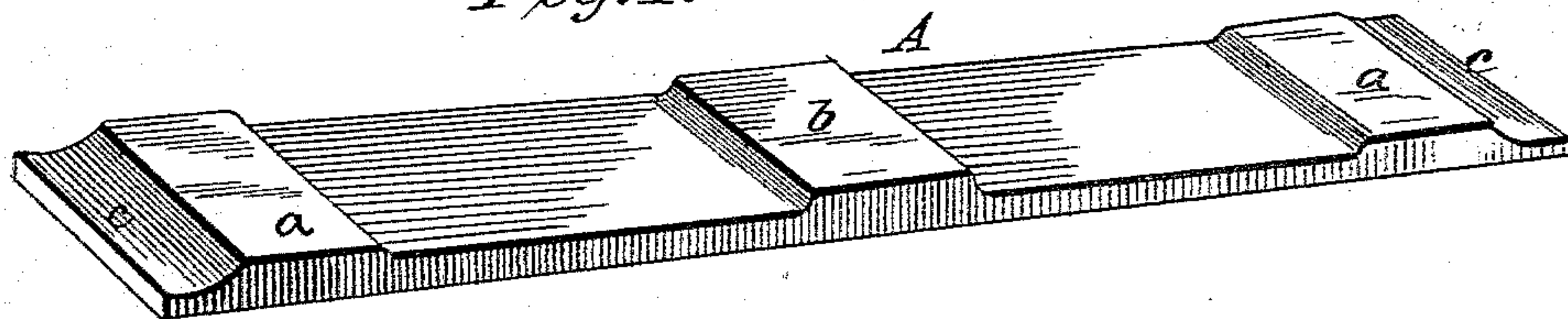


Fig. 2.

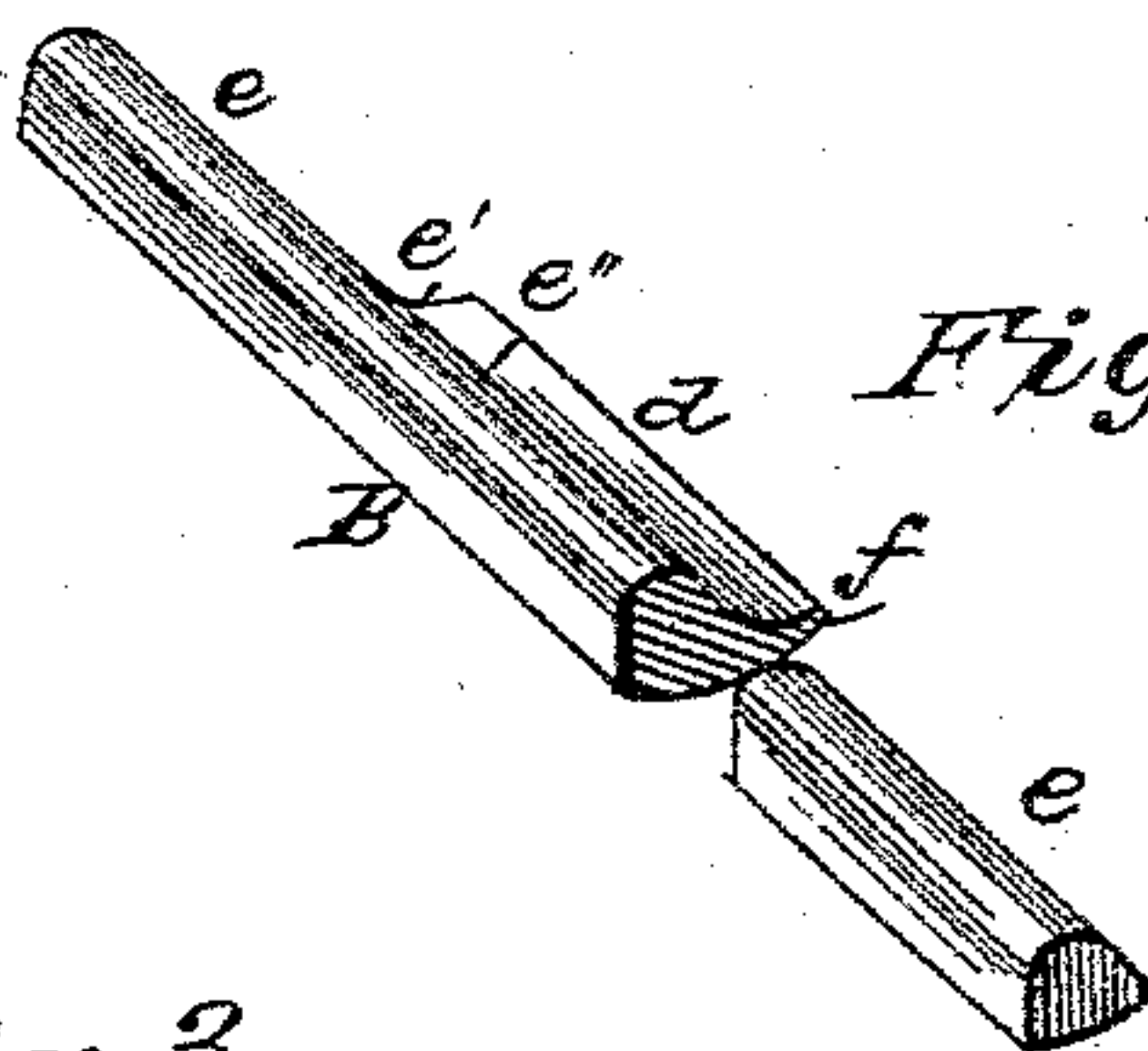


Fig. 3.

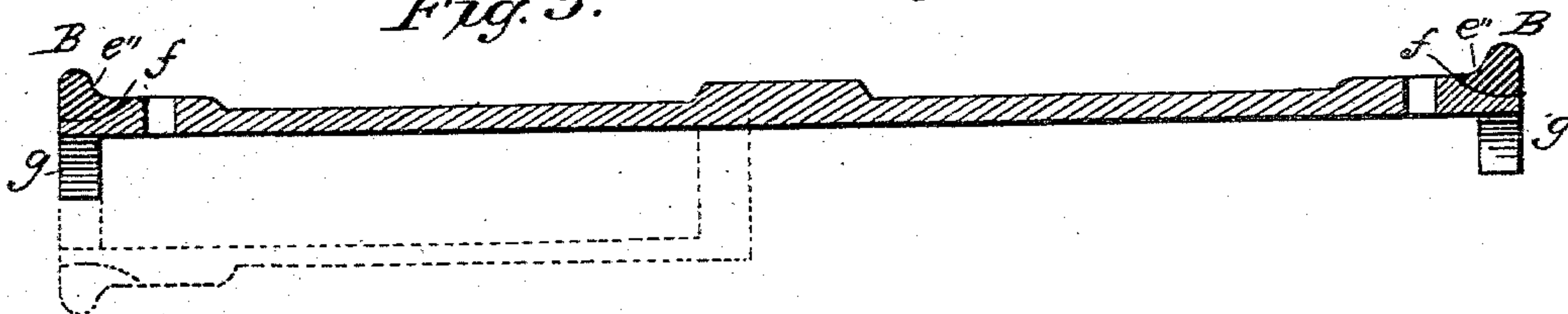


Fig. 4.

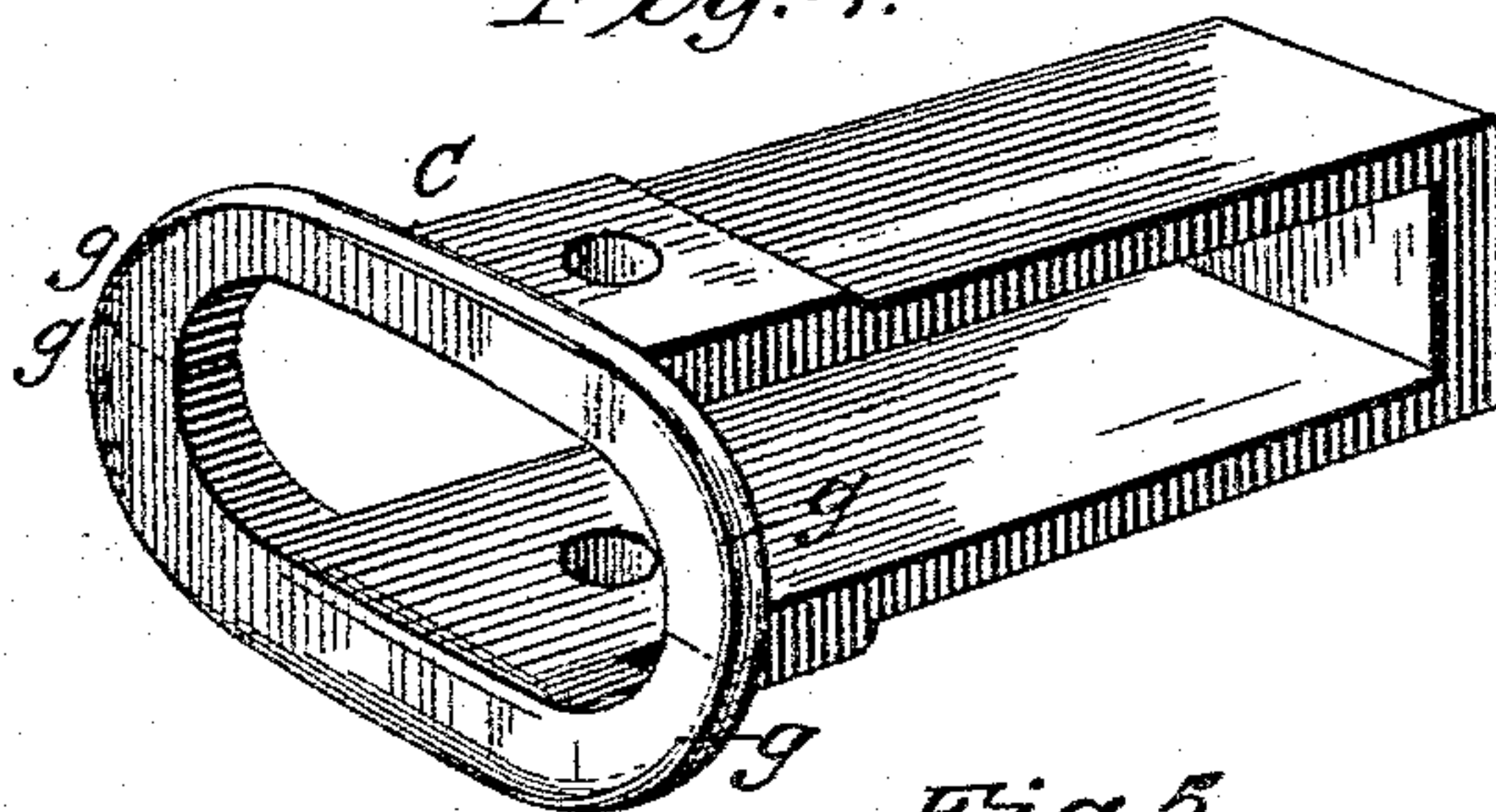
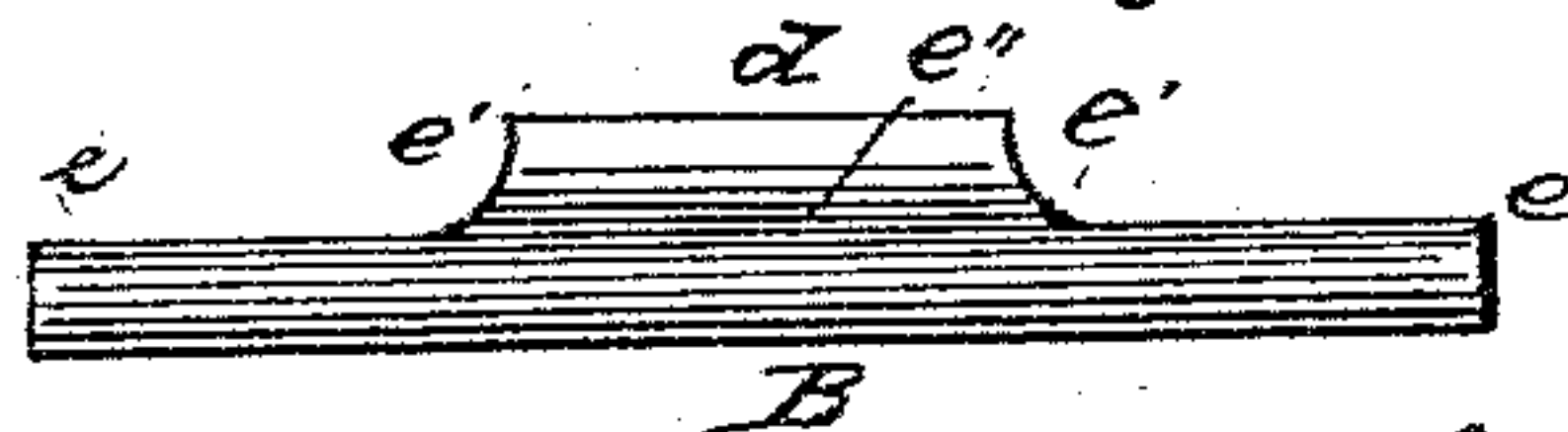


Fig. 5.



Witnesses  
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Inventor  
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# UNITED STATES PATENT OFFICE.

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## MANUFACTURE OF DRAW-BARS.

SPECIFICATION forming part of Letters Patent No. 356,813, dated February 1, 1887.

Application filed September 21, 1886. Serial No. 214,179. (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 Manufacture of Draw-Bars; 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.

This invention relates to the manufacture of wrought-metal draw-bars, and has for its object the construction of a wrought-metal bar from suitable blanks by welding.

The invention will be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective of the blank employed in forming the body of the draw-bar. Fig. 2 is a perspective of the blank employed in forming the head. Fig. 3 is a side view of the blank, showing it bent into a draw-bar in dotted lines; Fig. 4, a perspective view of a finished draw-bar, and Fig. 5 is a plan of the blank for forming the head.

Reference being had to the drawings and the letters marked thereon, A represents a blank for forming the body part of the draw-bar, which is forged thick at both ends, at *a a*, for strengthening that portion through which the coupling-pin passes, and is, by preference, also provided with a central raised portion, *b*, which forms the rear end of the bar when the blank has been bent into form. In each end of the blank A are formed transverse rabbets *c c*, for receiving a blank, B, which has a projection, *d*, in the center, of a width corresponding with the width of the blank A, and lateral extensions *e e*, with fillets *e' e''*, as shown.

The blank B forms one half of the head C of the draw-bar. In preparing this blank the projection *d* is fullered out to form a welding-joint, as shown at *f* in Fig. 2, and the fillets *e' e''*.

The operation of constructing a draw-bar from my blanks is as follows: The blank A is forged with the thick ends *a a* and transverse rabbets *c c*, and the blank B with the projection *d*, arms *e*, and fillets *e'* and *e''*. The blank B is then welded in the rabbet *c* on one end of the bar A, the arms *e e* turned down to form the projections *g g*, and the half-head formed in a suitable die well known to the art. The opposite end of the blank A is treated in the same manner, after which the blank is heated in the center and bent to form the top and bottom bars of the body of the draw-bar. The half-heads are then subjected to a welding heat and the projections *g g* welded together in the usual manner.

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

1. A blank for draw-bars, consisting of a bar of wrought metal having a transverse rabbet in each end, and thick portions to compensate for the aperture for the coupling-pin, substantially as described.

2. A blank for forming one half of the flange of a draw-bar head, consisting of a bar of wrought metal having a central horizontal projection, as *d*, lateral extensions, as *e e*, and fillets, as *e' e'* and *e''*, formed thereon.

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

JOHN T. WILSON.

Witnesses:

S. A. TERRY,  
D. C. REINOHLE.