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PATENTED AUG 22 1871

Fig. 1.

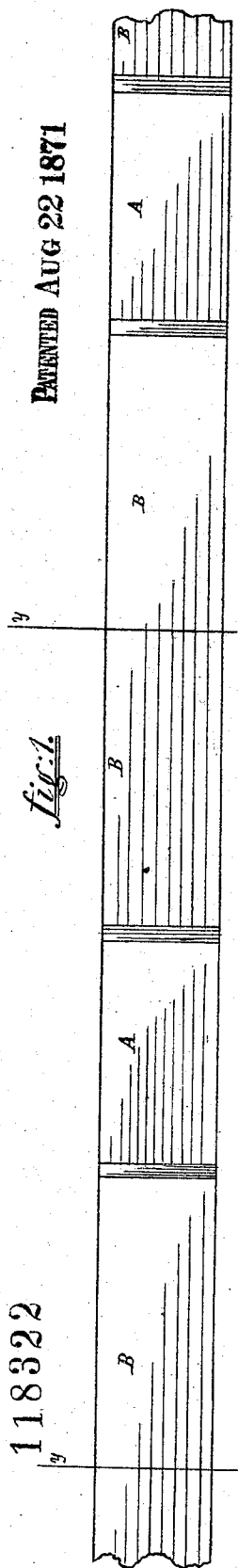
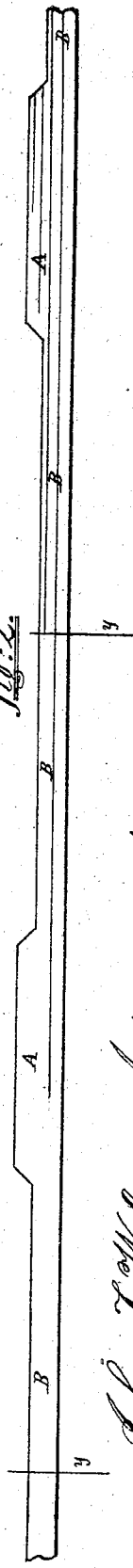
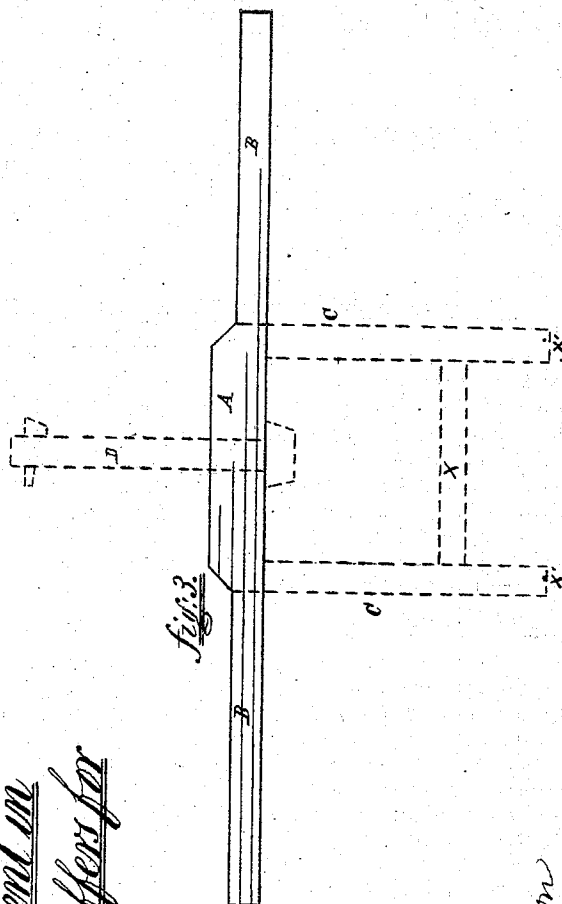


Fig. 2.



*John J. Wilson's Improvement in
Blanks for Draw-bars or Buffers for
Railway Cars.*

Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN T. WILSON, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO COLEMAN, RAHM & CO., OF SAME PLACE.

IMPROVEMENT IN THE METHODS OF MAKING DRAW-BARS OR BUFFERS.

Specification forming part of Letters Patent No. 118,322, dated August 22, 1871.

To all whom it may concern:

Be it known that I, JOHN T. WILSON, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Blanks for Draw-Bars or Buffers of Railway Cars; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists jointly in the particular form or shape of the blank for draw-bars or buffers herein described and shown, and the manner of producing the same—that is to say, molding a bar by means of rolls so that it shall constitute a number of connected or undivided blanks, and subsequently severing the blanks from the bar and from one another by means of a cutting apparatus.

Figure 1 is a side or face view of a section of a bar of iron rolled into the desired form for blanks for forming draw-bars or buffers for railway cars. Fig. 2 is an edge view of the same. Fig. 3 represents an edge view of a blank bent into the desired form for a draw-bar or buffer.

In the accompanying drawing, A represents the portion of the blank which forms the back end of the draw-bar or buffer. B represents the portions of the blank which form the sides of the draw-bar or buffer. The parts marked B are bent at right angles to the part A, as indicated by the dotted lines C, and are braced by means of a bar or bolt, as indicated at X in Fig. 3. To the ends marked X' is secured, in the usual manner and by the ordinary means, the buffer-head. The part marked A is provided with an opening for a bolt indicated by the dotted lines D.

In forming the blanks I take a bar of iron which in thickness and width corresponds to the thickness and width of the part of the draw-bar or buffer marked A. I then heat this bar to the desired degree of heat, and by means of a suitable pair of rolls draw the iron in the form shown in Figs. 1 and 2. The iron may be taken as it comes in its heated form from the ordinary rolls and then passed through a pair of rolls suitable for forming the blanks. The construction of the rolls for forming the blanks I leave to the skillful roll-turner and roller. Blanks are formed from the bars, after being rolled into the form shown in Figs. 1 and 2, by cutting the bar through at lines Y.

The advantage of my improvement consists in avoiding to a very great degree the labor of forging or swaging the iron for forming draw-bars or buffers, enabling the manufacturer to make them of a uniform size and weight, and also to construct them with great facility and at diminished cost, thereby furnishing a cheaper and superior article of manufacture to the public.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention is—

Jointly, the particular form or shape of the blank for draw-bars or buffers described and shown, and the manner of producing the same—that is to say, molding a bar by means of rolls so that it shall constitute a number of connected or undivided blanks, and subsequently severing the blanks from the bar and from one another.

JOHN T. WILSON.

Witnesses:

ADAM C. JOHNSTON,
JAMES J. JOHNSTON.