

(No Model.)

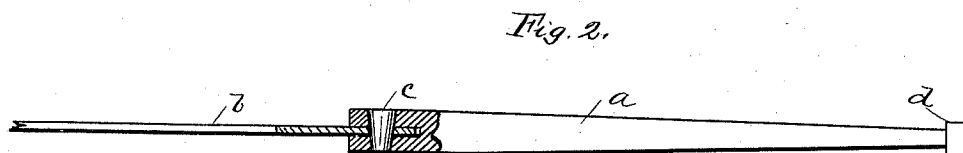
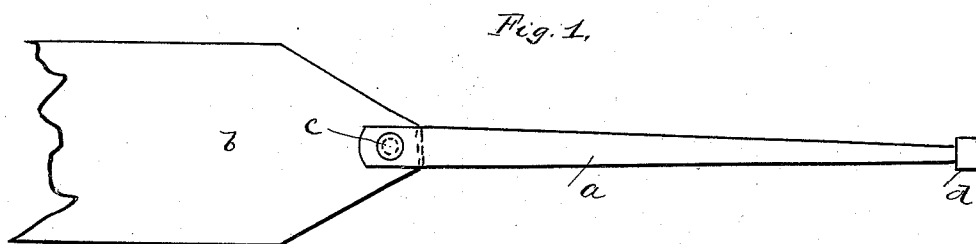
E. BOWIN, Dec'd.

M. A. BOWIN, Administratrix.

TAG FOR BUTT WELD TUBING.

No. 476,124.

Patented May 31, 1892.



Witnesses:
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UNITED STATES PATENT OFFICE.

EDWARD BOWIN, OF McKEESPORT, PENNSYLVANIA; MARTHA A. BOWIN
ADMINISTRATRIX OF SAID EDWARD BOWIN, DECEASED.

TAG FOR BUTT-WELD TUBING.

SPECIFICATION forming part of Letters Patent No. 476,124, dated May 31, 1892.

Application filed January 16, 1890. Serial No. 337,130. (No model.)

To all whom it may concern:

Be it known that I, EDWARD BOWIN, a citizen of the United States, residing at McKeesport, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improved Tag for Butt-Weld Tubing; 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 the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved "tag-iron" used in the manufacture of wrought-iron tubing; and it consists in a tapering bar having a slot formed in one end thereof adapted to fit over one end of the sheet from which the tube or pipe is made, and the said tag provided with a conical opening through the slotted end and a pin to neatly fit the said opening, as will be fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a plan view of my improved tag-iron, showing the same attached to a blank or sheet of metal. Fig. 2 is an elevation of the same, partly shown in section.

The present method of securing a tag-iron to the blank for the purpose of drawing the same through the welding-bell consists in a bar of iron having an enlarged end for the purpose of securing the iron to the means for drawing the tube, and is welded at the other end to the sheet or blank, and when the tube or pipe is finished sheared or cut off, and the bar sent to the smith to reshape and weld to another blank.

To put my invention into practice, I provide a tapering bar *a*, having an enlargement *d*, formed on one end thereof, in order to attach the same to the power-carriage. At the reverse or large end of this bar *a* I form an open slot extending in the direction of the length of the same, which neatly fits over one end of the blank *b*. This blank *b* is provided with the usual scarfed end, and, in addition thereto, with a small circular opening, through which a pin *c* passes and secures the same to the tag *a*. This pin *c*, as well as its opening through the tag, is tapering, and the large end

of the said pin *c* kept upward while the sheet is being drawn through the welding-bell. When the pipe is finished, the same is given a half-revolution, which allows the pin *c* to drop out and release the tag.

I am aware that it is not new to provide a bar between the power-carriage and the welding-bell of a butt-welding apparatus for making tubes, and that it is old in car-couplings to employ a coupling-bar between the draw-heads of two cars and provided with pins which pass through vertical slots in said coupling-bar; but such devices I disclaim.

My improvement consists in a tagging iron or bar adapted for rotary connection at one end with a power-carriage and having at its opposite end a horizontal slot to receive the flat plate or sheet forming the tube-blank, said slotted end of the tagging iron or bar having a transverse perforation which intersects with the horizontal slot to receive a pin which connects the tube-blank to the tagging-iron. By connecting the tagging-iron to the power-carriage so that the bar can be turned and employing a removable pin for connecting the tube-blank to the tagging-iron I am enabled to turn the tagging-iron when the tube has been welded, and thus permit the connecting-pin to drop out of the perforation in the tagging-iron and automatically free the tagging-iron from the tube-blank.

Having thus described my invention, I claim—

1. The improved device for drawing pipe-blanks or skelps having a forked end passing on each side of a skelp, and a pin for passing through an aperture in the edge of the skelp when placed in the forked end, whereby the skelp is secured firmly to the tag, and thus enabled to be drawn through the welding-die and readily released from the tag without essential loss of material, substantially as specified.

2. The improved device for drawing pipe-blanks or skelps having a forked end passing on each side of the skelp, in combination with a separate pin for passing through apertures in said forked end, whereby the skelp is firmly secured to the tag and thus enabled to be drawn through the welding-die and readily

detached from the tag without the essential loss of material, substantially as described.

3. The improved device for drawing pipe-blanks or skelps herein shown and described,
5 consisting of a tag or shank provided with a forked end forming rigid jaws separated by an intervening slot and passing on each side of the skelp, in combination with an unattached separate fastening-pin for passing
10 through apertures in the said forked end, whereby the skelp is firmly secured to the tag

and thus enabled to be drawn through the welding-die and readily detached from the tag without the essential loss of material, as set forth.

In testimony that I claim the foregoing I
hereunto affix my signature this 23d day of
November, A. D. 1889.

EDWARD BOWIN. [L. s.] 15

In presence of—

C. C. LEE,

M. E. HARRISON.