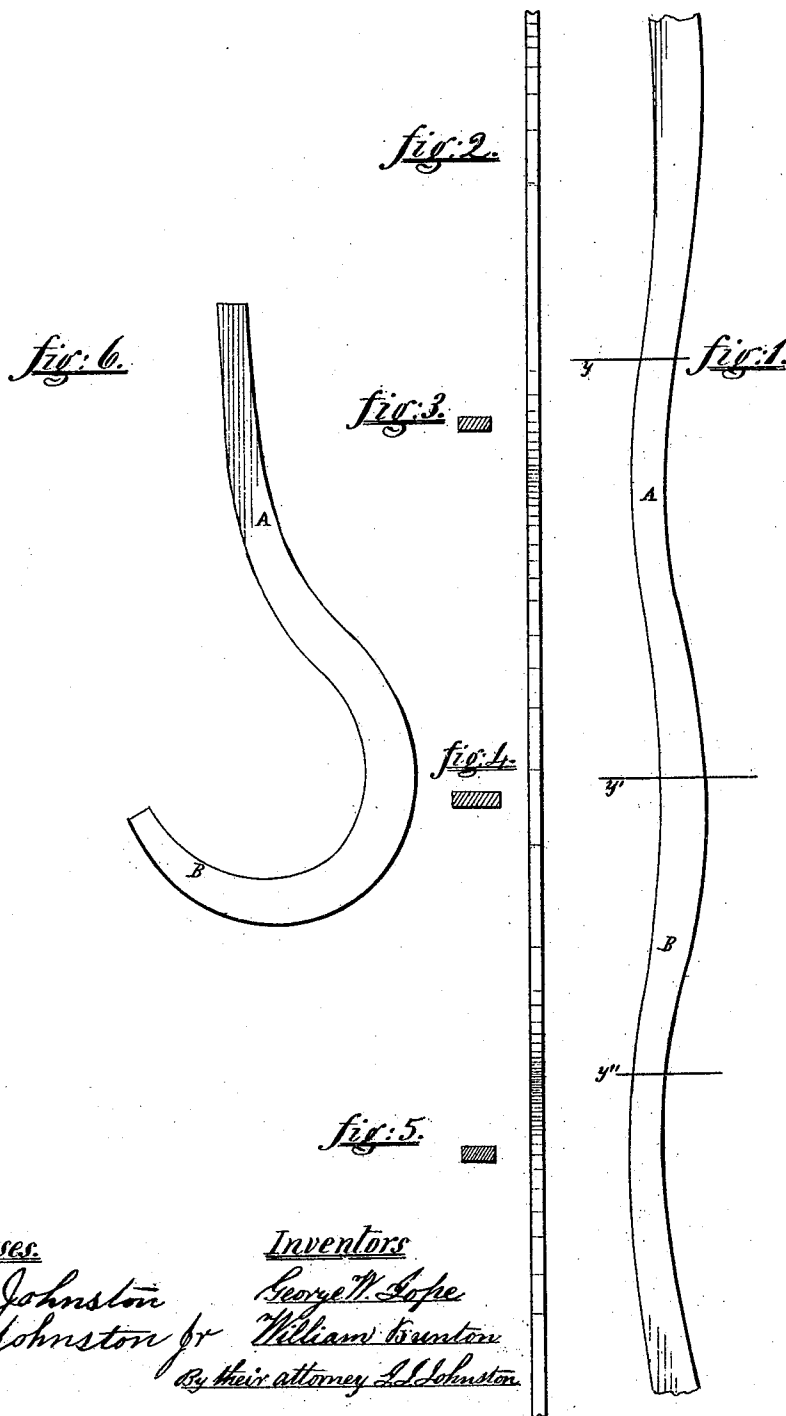


Lope & Bunton,

Manf. Flow Irons.

No. 110,371.

Patented Dec. 20. 1870.



Witnesses

A. C. Johnston

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George W. Lope

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United States Patent Office.

GEORGE W. JOPE AND WILLIAM BUNTON, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 110,371, dated December 20, 1870.

IMPROVEMENT IN ROLLED BARS FOR PLOW-BEAM BLANKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, GEORGE W. JOPE and WILLIAM BUNTON, both of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful article of manufacture, viz., Blanks for Plow-Beams; and we 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 our invention consists in a new article of manufacture, viz: A bar of iron or steel rolled into the form hereinafter described, for the purpose of forming a continuous series of blanks for plow-beams.

To enable others skilled in the art to make and use our new article of manufacture, we will proceed to describe more fully its construction.

In the accompanying drawing—

Figure 1 is a side view of a bar of iron rolled into a series of blanks for plow-beams.

Figure 2 is a top view of the same.

Figure 3 is a transverse section of the bar of iron at line *y'* of fig. 1.

Figure 4 is a transverse section of the bar of iron at line *y* of fig. 1.

Figure 5 is a transverse section of the bar of iron, when cut through at line *y* of fig. 1.

Figure 6 is a side view of a blank bent into the desired shape for a plow-beam.

In the accompanying drawing—

A represents that portion of the beam which forms the standard of the plow.

B represents that portion of the beam which is forward of the standard.

To make our new article of manufacture, we take a bar of iron which in thickness and width is equal to the thickness and width of the widest portion of the plow-beam, which is indicated in the drawing at the line *y'* of fig. 1.

Being properly heated, we pass it on its edge through suitably-constructed rolls, which will draw the bar out into the form represented in fig. 1. We then pass it through a plain pair of rolls, which will work in the "fash" or "fin," and finish it ready for use. The blanks are separated by cutting the bar through at lines *y'* and *y*.

The construction of the rolls for rolling our new article of manufacture, we leave to the skilful roll-turner, and the manner of using the rolls to the skilful roller.

The advantage of constructing blanks for plow-beams in the manner hereinbefore described, consists in the saving of labor of forging and shearing and making them of a uniform size and superior finish with increased strength of structure, which will add greatly to their durability, and at a diminished cost.

Having thus described the nature, construction, and advantages of our new article of manufacture,

What we claim as of our invention is—

As a new article of manufacture, a bar of iron or steel rolled into the form herein described and shown, for the purpose of forming a continuous series of blanks for plow-beams.

GEORGE W. JOPE.
WM. BUNTON.

Witnesses:

A. C. JOHNSTON,
WM. H. BARKER.