Jope & Bunton,

Manf. Plow Irons.

No. 110,371. Patented Dec. 20. 1870.

fig: 2.

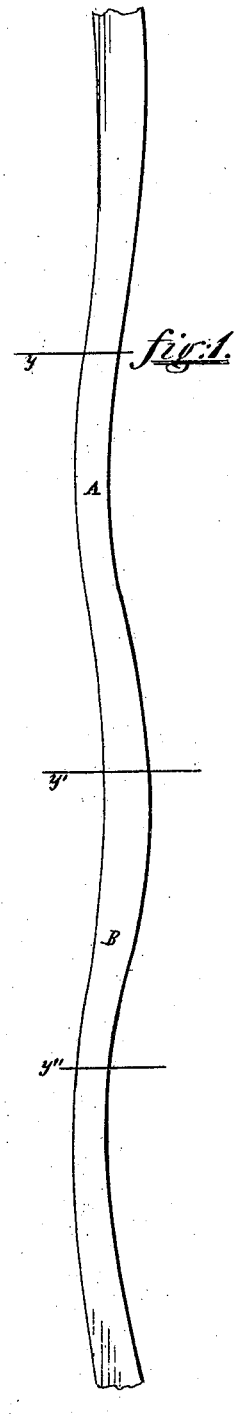

fig: 1.

fig: 6.

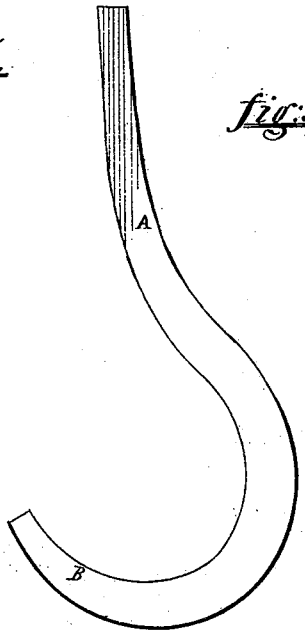

fig: 3.

fig: 4.

fig: 5.

Witnesses.
A. C. Johnston
J. J. Johnston Jr

Inventors
George W. Jope
William Bunton
By their attorney J. J. Johnston

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.

GEO. W. JOPE.
WM. BUNTON.

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