

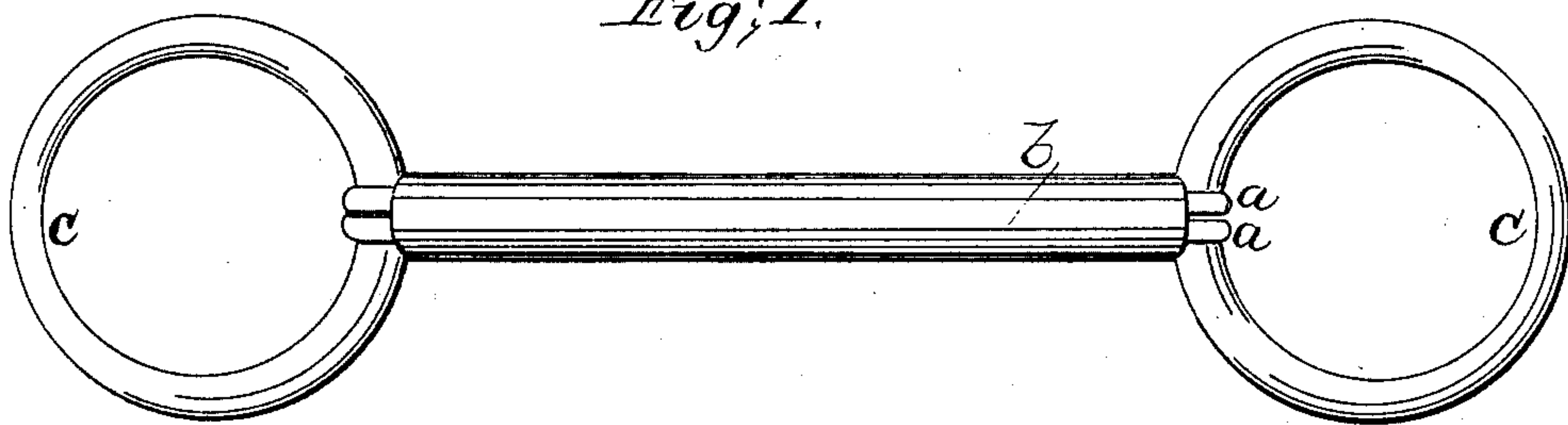
E. S. Dawson,

Bridle Bit,

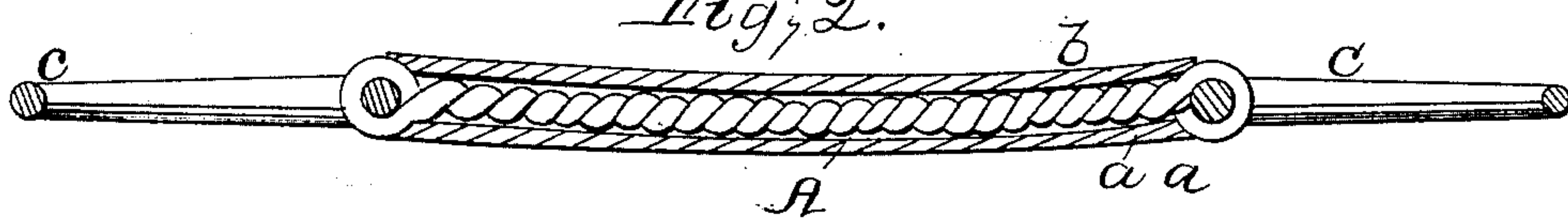
N^o 69,079.

Patented Sep. 24, 1867.

Fig; 1.



Fig; 2.



Witnesses;
J. A. Muley
Walter R. Hawkins

Inventor,
E. S. Dawson

United States Patent Office.

EDWARD S. DAWSON, OF SYRACUSE, NEW YORK.

Letters Patent No. 69,079, dated September 24, 1867.

IMPROVED DRIVING-BIT.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWARD S. DAWSON, of Syracuse, in the county of Onondaga, and State of New York, have invented a new and improved Method of Constructing Cushioned Bits; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same; reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my invention, and

Figure 2 is a sectional view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved method for constructing cushion-bits for draught animals, whereby an important saving of labor is made, and the cost of manufacture proportionally reduced.

Cushioned bits have been made heretofore by first completing the metallic portion of the bit, and then sewing a leather or other suitable cover or cushion on over its mouth-piece; or by forging out a mouth-piece of wrought iron and then slipping a tubular rubber cushion on over it before the rings were turned in.

I construct my cushioned bits as follows: The mouth-piece of the bit is first formed by folding a piece of wire at its centre, so that it is doubled, and its two ends brought together; and then, after passing these two ends through the section of tubular rubber *b*, the two parts of the wire are twisted together inside of the rubber tubing, into a compact body, *A*. The bite or looped end of the wires is then cut open, and the rings *c* turned in at both ends of the mouth-piece by bending the ends *a a* of the wires around them. The rings, and also the wire used, have a preparatory finish or coating of fine tin, as usual.

By this method I am enabled to manufacture a first-class article of rubber-cushioned bit at about one-half of the usual cost.

I do not claim a bit having a twisted wire mouth-piece, as such are used in jointed mouth-pieces, nor do I claim a tubular rubber cushion, as they have been used on forged bits; but what I do claim, and desire to secure by Letters Patent, is—

A bit having a stiff mouth-piece constructed of twisted wire, with a soft rubber covering, as herein represented and described, as an article of manufacture.

EDWARD S. DAWSON.

Witnesses:

P. W. HIGBEE,

GILBERT W. LYON.