

J. A. Swan,

Bridle Bit.

No. 103103.

Patented May 17, 1870.

Fig.1.

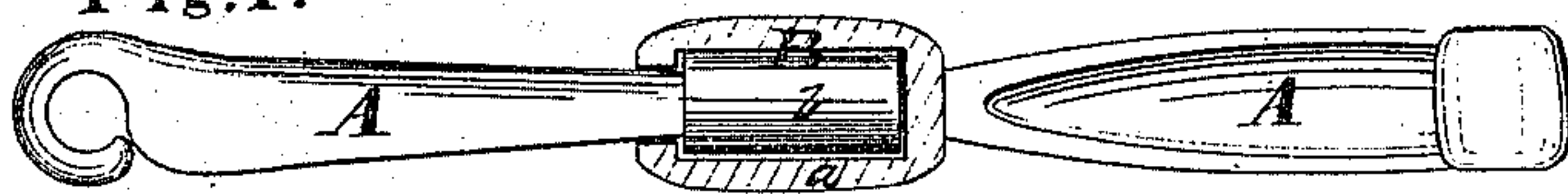


Fig.2.

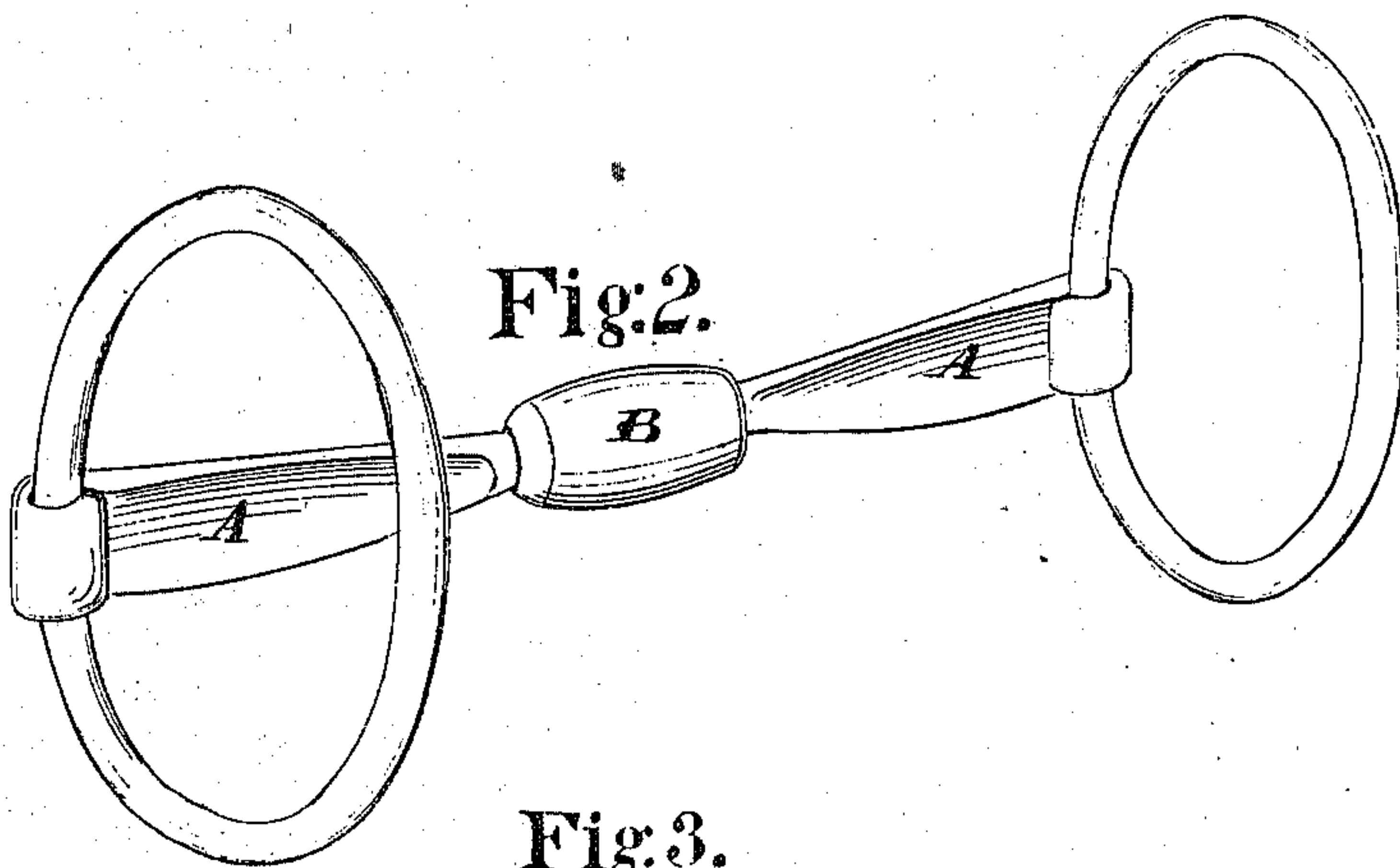
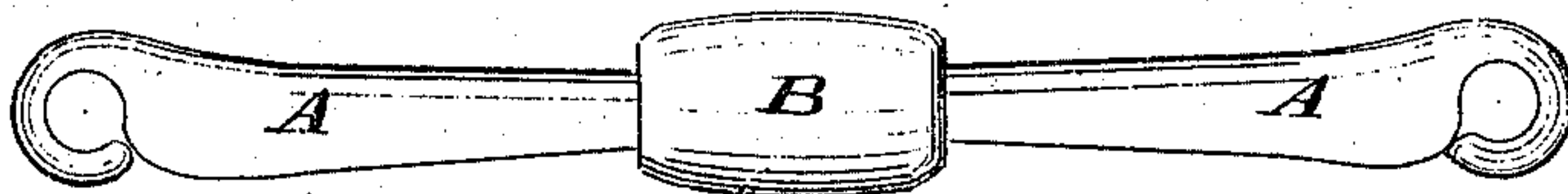


Fig.3.



Witnesses.

Villette Anderson.
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JOHN A. SWAN, OF NORTH ANSON, MAINE.

Letters Patent No. 103,103, dated May 17, 1870.

IMPROVED BRIDLE-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, JOHN A. SWAN, of North Anson, in the county of Somerset and State of Maine, have invented a new and valuable Improvement in Bridle-Bits; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a sectional view of my invention.

Figure 2 is a view of the same in perspective.

Figure 3 is a side view.

My invention relates to bridle-bits, and consists in the construction and novel arrangement of the bars, and the swivel-joint, whereby they are connected together.

The letters A represent the bars of my bit, joined together in the center by the swivel-joint B, consisting of a barrel, *a*, attached to one of the bars, and a cylindrical or conical nut, *b*, attached to the other.

Generally I prefer the conical shape, on account of the superior strength thereby obtained, the dovetail form of the joint keeping it secure.

The construction of the bar A is such as to provide an edged as well as a smooth or round side, and

the object of the swivel-joint is to permit either side of the bar to be adjusted against the corner of the horse's mouth.

The barrel of the swivel-joint is made larger in diameter than the breadth of either bar in its largest part, thereby preventing the bit from being a severe one, except in the hands of an unskillful driver, as the greatest pressure will come immediately on the tongue.

There are several advantages to be obtained in the use of my bit:

A check-rein may thereby be dispensed with.

It is of great service in training colts; and horses, that, from any cause, are inclined to turn their heads or swerve to one side, may be kept straight.

What I claim as my invention, and desire to secure by Letters Patent, is—

The bars A A of a bridle-bit, having one side rounded and the other side edged, when connected together by the swivel-joint B, as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

JOHN A. SWAN.

Witnesses:

J. J. PARLIN,

A. H. WARE.