

J. LOWBRIDGE.

Improvement in Bridle-Bit.

No. 131,691.

Patented Sep. 24, 1872.

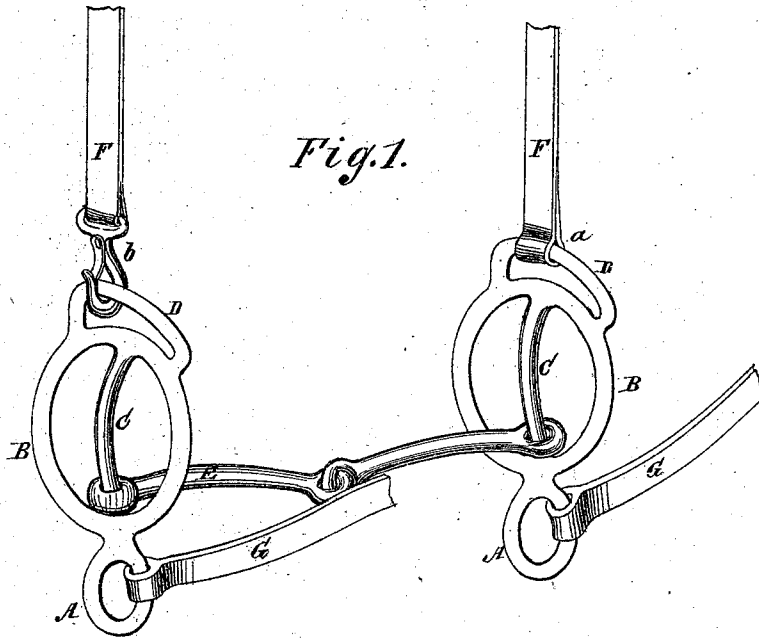


Fig. 1.

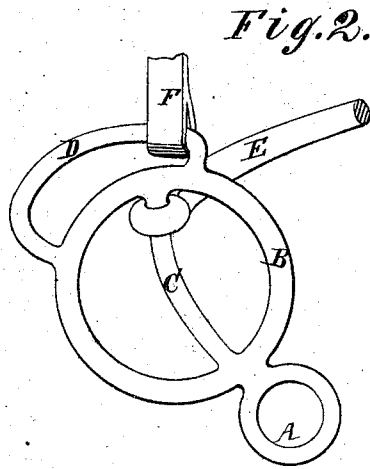


Fig. 2.

Witnesses:  
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*Atty -*

# UNITED STATES PATENT OFFICE.

JABEZ LOWBRIDGE, OF PITTSBURG, PENNSYLVANIA.

## IMPROVEMENT IN BRIDLE-BITS.

Specification forming part of Letters Patent No. 131,691, dated September 24, 1872.

*To all whom it may concern:*

Be it known that I, JABEZ LOWBRIDGE, of the city of Pittsburg, county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Bridle-Bits; and I do hereby declare the following to be a true, correct, and full description of the construction and operation of the same, reference being had to the annexed drawing making part and parcel of this my specification.

The nature and object of my invention is the construction of a bridle-bit of great power by means of an improved cheek piece, containing within and upon it a ring or loop, to which the reins may be attached, a sliding bar upon which the bit can be caused to move upward and downward in the animal's mouth, and an eccentric groove or slot upon the upper portion of the same, to which the head-piece, of leather, is attached, and which is allowed to slide freely from the upper to the lower portion of such groove or slot, thereby forcing the bit upward to a greater extent in the animal's mouth when the rein is tightly drawn.

In order to enable others skilled in the art to make and use my invention, I will describe its construction and operation.

In the drawing, Figure 1 shows a view, in perspective, of my invention and the position of the bridle-bit in its relation to the cheek pieces when placed in the animal's mouth. Fig. 2 shows a side view of same when the rein is drawn tight and the bit forced to the upper portion of the bar on which it slides, and the strap or head piece forced downward into the slot upon which it moves.

A B C D represent the cheek piece of the bridle-bit, cast in one piece at one operation, A being a ring to which the rein G is attached, B a ring containing within it the bar C, which

is of nearly a circular form, and concentric with the front portion of the ring B. To this bar C the bit E is attached in such a manner as to allow it to slide or move easily upward and downward as the rein is drawn back in a greater or less degree. D is an elongated slot or groove, formed upon the upper portion of the ring B, its greatest width being in front, and into which the leather head piece holding the same is fastened by means of the clasp *a*, snap-hook *b*, or sewed therein, so as to allow free play and movement of the same backward and forward.

From the position of the bit in the two figures, the effect produced by drawing the rein tight will be seen—that is to say, the bit is forced from its position, as seen in Fig. 1, to the position of the same, as seen in Fig. 2, upon its sliding bar C, and at the same time the leather head piece is forced from its position, as seen in Fig. 1, to that seen in Fig. 2, the latter being the most narrow portion of the slot or groove D, and producing an additional strain of the bit upon the mouth of the animal, and subjecting the latter to a more complete control of the rider or driver.

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

The curved and inclined bar, forming the upper portion of the elongated slot or groove D, and to which the head-strap is attached, connected with and being a part of the cheek piece of a bridle-bit, in combination with bar C and loop *a*, in the manner and for the purpose herein described.

JABEZ LOWBRIDGE.

Witnesses:

JOHN P. WACKER,  
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