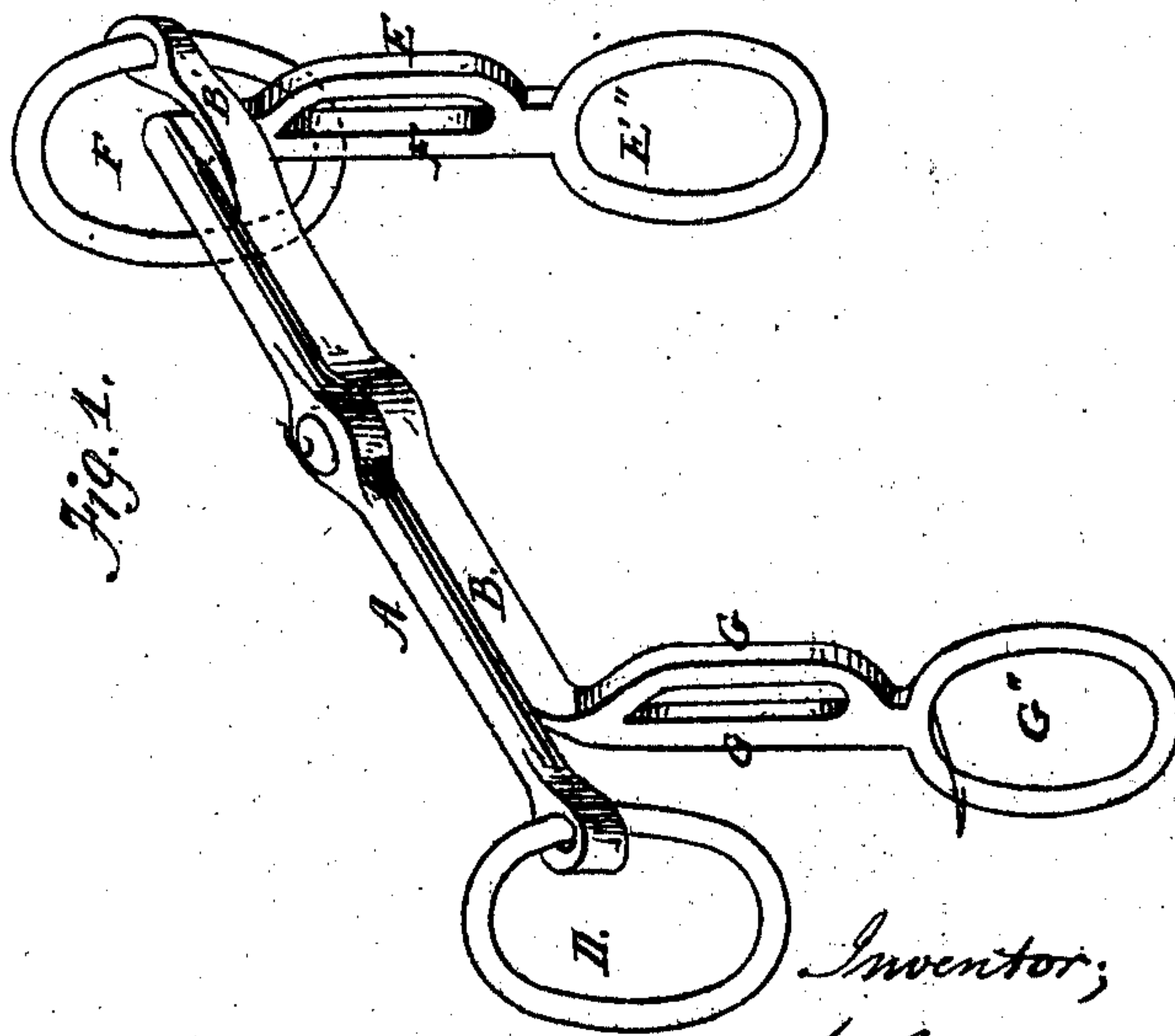
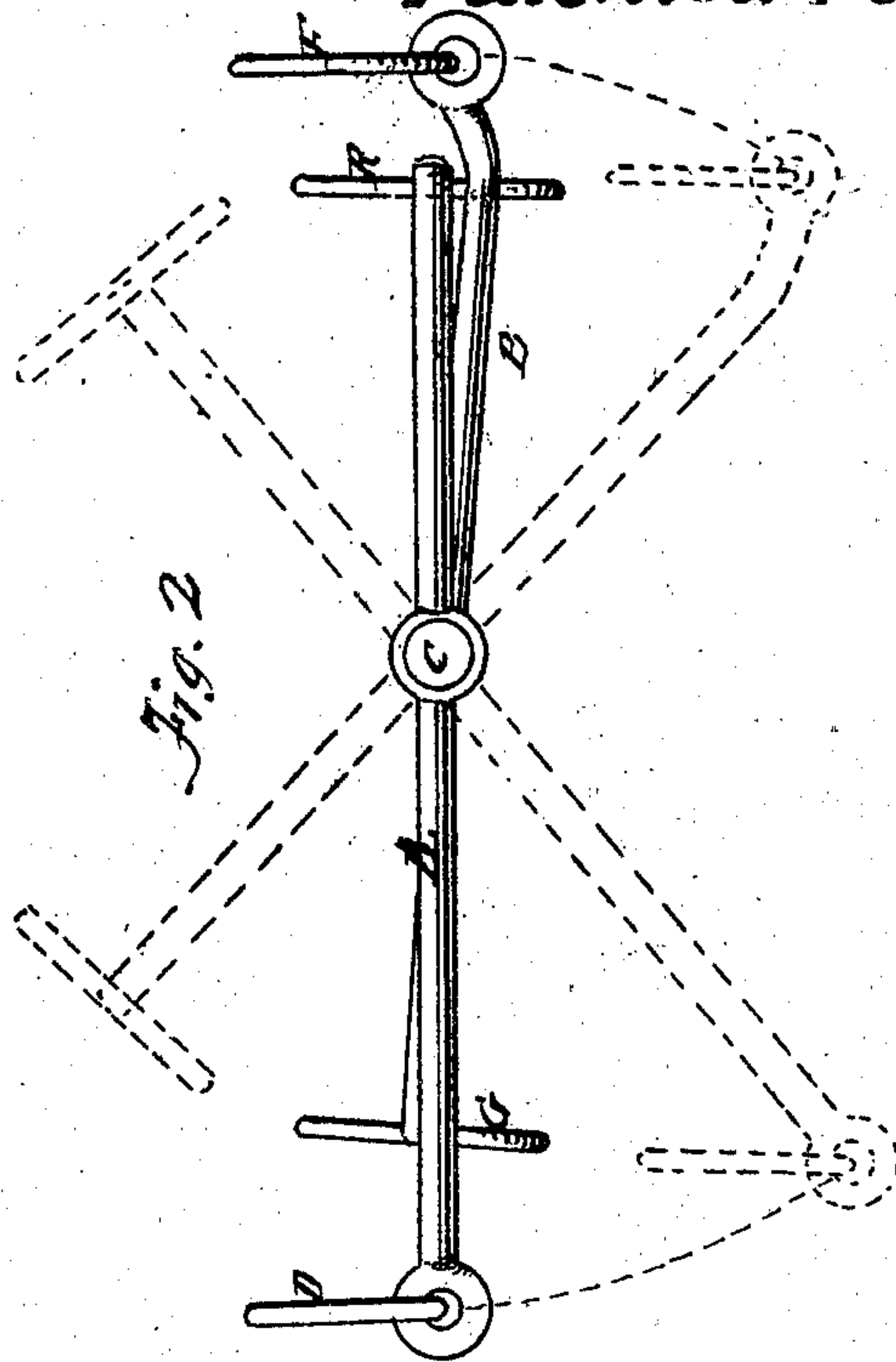


J. K. Norton.
Bridle-Bit..

Nº 74.122.

Patented Feb. 4. 1868.



Attest;
Chas F. Clausen
D. H. Murphy

Inventor;
J. K. Norton
by
D. H. Norway
His Atty

United States Patent Office.

JOHN K. NORTON, OF FLUSHING, OHIO,

Letters Patent No. 74,122, dated February 4, 1868.

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 K. NORTON, of Flushing, in the county of Belmont, and State of Ohio, have invented a new and useful Improvement in Bridle-Bits; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view, and

Figure 2 is a plan, the change in relative position of the parts being shown in red and black lines.

The same letters are employed in both figures in the indication of identical parts.

My improvement consists in forming a bit with two bars, so connected and constructed that by changing the reins or the position of the bit, it may be converted into a stiff bit, or flexible curb-bit, as desired.

The bit is formed by two rigid bars, A and B, attached by a pivot at C, so as to turn freely. The bar A has a ring in the outer end, at D. The other end is bent at right angles, forming a branch, E, with two openings to receive the bridle-reins or headstall, at E¹ and E². The bar B has a ring, F, attached to its outer end, which projects beyond the branch E, and has its opposite end, in like manner, bent at right angles to form a branch, G, with openings at G¹ and G², in the same manner as the branch E, and for the same purpose. The bar B is bent at B', to receive in the bow thus formed, as at fig. 1, the branch E, which bears against it.

It will be seen that this construction enables the bit to be used in several different modes. Suppose the bit to be attached, as shown in fig. 1; by attaching the reins in the rings F and D, by drawing on the reins, the bars will turn on their pivots, opening, as shown in fig. 2, forcing open the jaws of the horse, and forming a very powerful curb-bit. By attaching the reins in the openings G and E¹, the bars will be drawn together, and form an ordinary straight bit. By reversing the bit in the headstall, a contrary action will be produced. By then attaching the reins to the rings F and D, we have a straight bit, and by attaching them at E¹ and G¹, the curb, as explained. So, by turning the bit upside down, it may be converted into a straight or curb-bit in the same manner. So, by turning the bit upside down, and attaching a rein to the ring in one end, and one of the openings in the branch on the other, it may be used to prevent the horse from turning his head.

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

The combination of the bar A with the ring D and branch E, and the bar B with the ring F and branch G, when constructed as herein described, as a new article of manufacture.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN K. NORTON.

Witnesses:

JOSEPH SUTTZER,
J. P. JUDKINS.