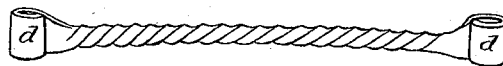
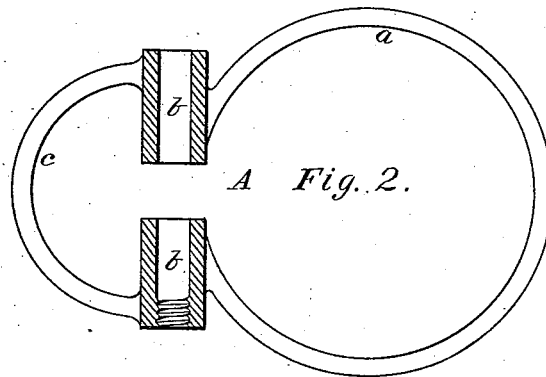
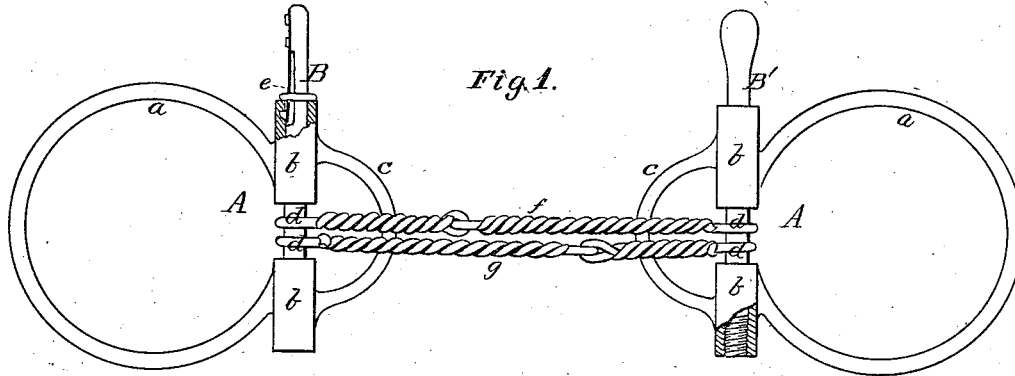


R. H. TRUITT.
BRIDLE-BITS.

No. 187,201.

Patented Feb. 6, 1877.



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UNITED STATES PATENT OFFICE.

ROBERT H. TRUITT, OF ROCKFIELD, KENTUCKY.

IMPROVEMENT IN BRIDLE-BITS.

Specification forming part of Letters Patent No. 187,201, dated February 6, 1877; application filed January 6, 1877.

To all whom it may concern :

Be it known that I, ROBERT H. TRUITT, of Rockfield, in the county of Warren and State of Kentucky, 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 representation of a rear view, showing the side rings turned outward. Fig. 2 is a side view of a side ring and its thimbles, the bolt being removed. Fig. 3 is a perspective view of a single bit.

This invention has relation to bridle-bits; and it consists, mainly, in the construction and novel arrangement of adjustable rings and detachable cheek-bars and bits connected therewith, and in the combination, with detachable bars and rings, of separate bit-branches, forming double bits, the character of which may be varied at will, as herein-after more fully shown and described.

In the accompanying drawings, the letter A designates the side rings of the bit, in which are arranged vertically in line with each other, and a certain distance apart, the thimbles or bearings *b*. These are usually so arranged that the largest loop *a* of the ring extends to the rear, while a smaller loop, *c*, connects the thimbles in front. B represents one of the detachable cheek bolts or bars of the bit, and B' the other. These are designed to pass through the thimbles or sleeves of the rings A, and through the loops *d* at the ends of a single bit, or of the branches of a double bit; said bars being secured to the thimbles by any suitable fastening which will admit of their being readily detached.

In the construction illustrated, the right-hand bar B' is represented as being secured by a screw-thread engaging with an inside thread in one of the thimbles of its ring. The left-hand bar B is designed to be more easily manipulated, and is fastened by means of a spring-catch, *e*, engaging with a slot or recess in the thimble. The object of this detachable feature is, in the first place, to admit of the use of any kind of bit with the same bars

and rings; second, to facilitate the formation of combination double bits by putting single branches of such character as may be desired together; and, third, to facilitate the use of double bits by enabling one branch of such a bit to be thrown out of the mouth, so that a horse may drink.

Several styles of single and double bits have been arranged to be used with the detachable rings and bars. The single bits may be smooth and round, or twisted bars with eyes or short sleeves at the ends to receive the detachable side bolts or bars. The double bits may be formed in any of the ordinary styles. In order that combinations may be made, each double bit should consist of two separate branches, *f* and *g*, as shown in the drawings, each of which is independently looped by its end eyes on the bars between the thimbles of the rings. These branches may consist of smooth round bars linked together, a long one to a short one, in the usual manner; or the links may be formed of two wires twisted together, or of single square wire twisted. These branches are of varying severity, and bits formed thereof may be introduced at will between the rings, and connected thereto by the detachable bars; or a bit of any degree of severity or character may be formed by combining branches of different kinds.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the adjustable bit-rings having the spaced bearings, of the detachable cheek-bars, whereby the bits are connected to said rings, substantially as specified.

2. The combination, with adjustable bit-rings and detachable cheek-bars, of double bits, consisting of single branches of varying character, combined according to the severity or kind of bit required, substantially as specified.

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

ROBERT HENRY TRUITT.

Witnesses:

J. S. BADGETT,
J. J. CURD.