

(No Model.)

E. L. CRUGER.
BRIDLE BIT.

No. 529,022.

Patented Nov. 13, 1894.

Fig. 1.

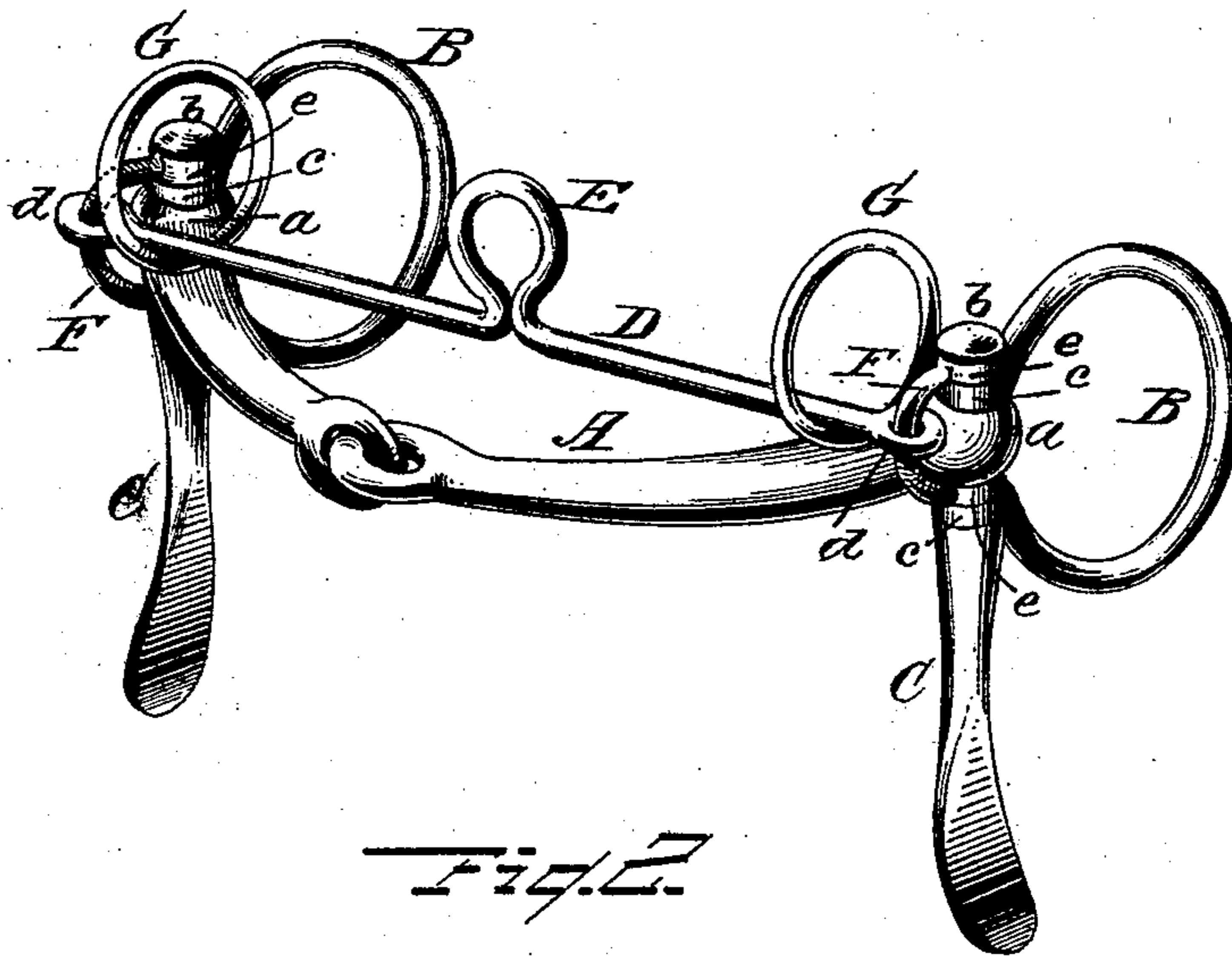
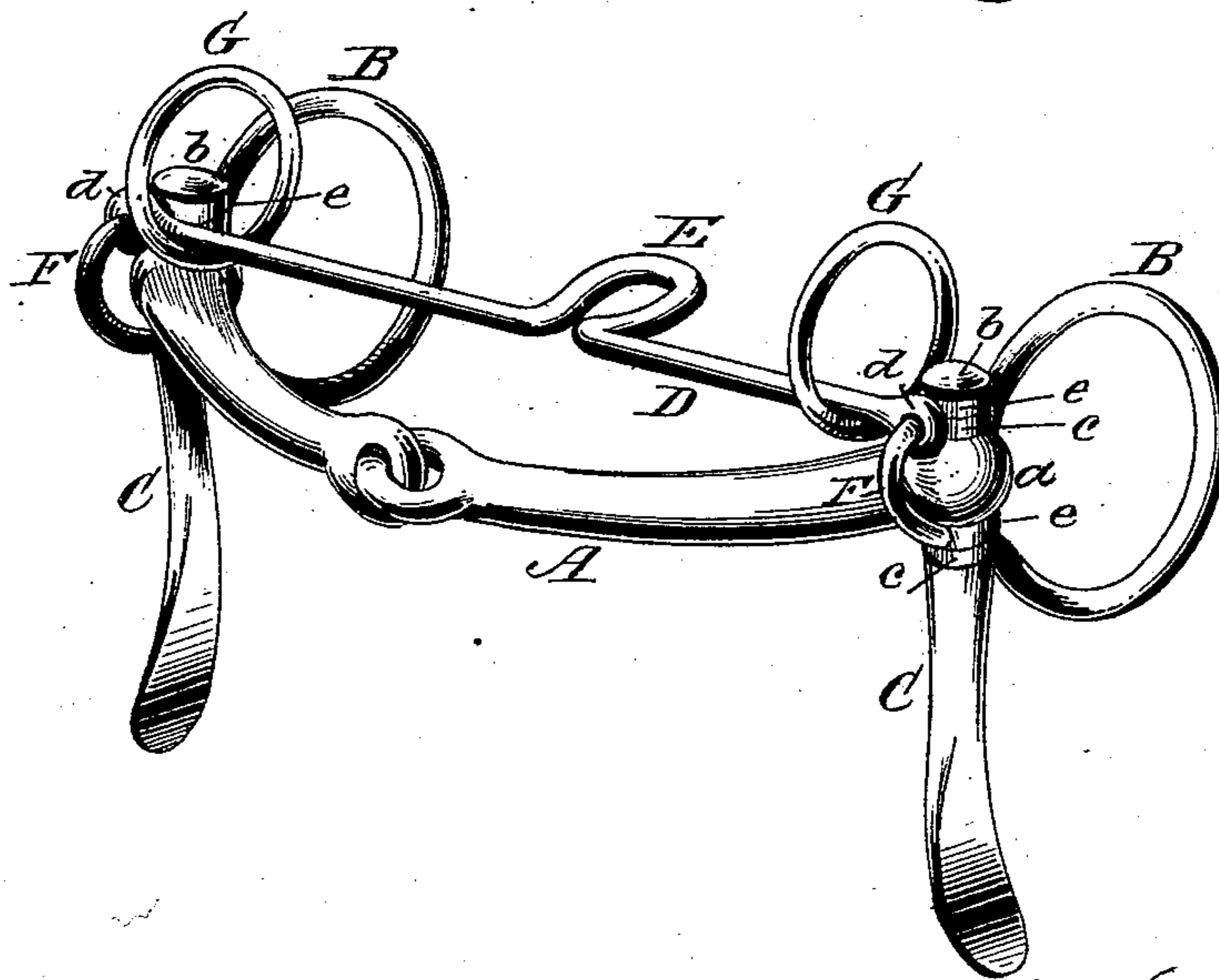


Fig. 2.



Witnesses
G. Williamson.
J. Goddard.

Inventor
Ernest L. Cruger.
per Cha. V. Fowler,
Attorney.

UNITED STATES PATENT OFFICE.

ERNEST L. CRUGER, OF LONDON, WISCONSIN.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 529,022, dated November 13, 1894.

Application filed February 28, 1894. Serial No. 501,819. (No model.)

To all whom it may concern:

Be it known that I, ERNEST L. CRUGER, a citizen of the United States, residing at London, county of Dane, and State of Wisconsin, have invented certain new and useful Improvements 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 a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a bit for bridles which will be especially adapted for driving and holding vicious horses without pinching the mouth or otherwise injuring the horse when stumbling and thereby provide against the danger of making the horse's mouth sore and also prevent the tongue from "lolling" and to cure the habit thereof as well as enabling the bit to be especially valuable in handling and breaking young colts. These several objects I attain by the bit constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of a bit constructed in accordance with my invention with the parts in the position they will occupy when the driving reins are being pulled upon; Fig. 2, a similar view showing the parts in the position they will assume when the driving reins are released.

In the accompanying drawings A represents the ordinary or main bit provided with the usual rings B for attaching the reins thereto, and C the cheek-pieces also of the usual construction.

The bit at its ends terminates in bearings *a* through which extend the shanks *b* of the cheek-pieces, said shanks being headed or otherwise provided with means for holding them to the bearings, thus providing a swivel connection between the ends of the bit and the cheek-pieces.

The rein rings B are provided with eyes *c* which are located above and below the bearings *a* and through which extend the shanks *b* of the cheek-pieces thereby pivotally connecting the rings to the ends of the bit and admit of their having a free lateral movement.

The above described means of connecting

the rein-rings and cheek pieces to the ends of the bit A are very simple, and rings and cheek-pieces being separate and independent of each other may be conveniently replaced by new ones should they become broken or otherwise injured without the necessity of an entire new bit.

The upper or supplemental bit is shown at D and is provided at or near its center with a curb E of any preferred shape and extends at a right angle to the length of the bit. The ends of the bit D have eyes *d* with which engage loops F, said loops having eyes *e* for the passage of the shanks *b* whereby the loops are pivotally connected to the ends of the main bit A, thus allowing a swiveled action of the loops and enabling the supplemental bit D to be more easily controlled without any binding of the parts.

Rings G are loosely connected to the bit D to which are attached the ends of straps or over-draw check-lines and which extend upward over the back of the horse and attached to the top of the bridle.

The supplemental bit when acted upon by the driver pulling upon the reins, the curb E will be forced upward against the roof of the horse's mouth and have a tendency to raise it, such position of the supplemental bit and curb being shown in Fig. 1 of the drawings, but when the reins are released the bit and curb will assume the position shown in Fig. 2. In either position the curb E will prevent the tongue from "lolling" or the horse from side pulling.

The loop F with its eyes *e* and manner of attaching it to the ends of the main bit may properly be termed a "clevis" as it serves a similar purpose to the clevises ordinarily in use, and in the present instance said clevis performs the office in holding the ends of the supplemental bit in position and thereby dispensing with the additional rings around the main bit and prevents the horse's mouth from becoming pinched or sore.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A main bit having swiveled or pivoted to its ends, suitable rein-rings, cheek-pieces and clevises, and a supplemental bit loosely

connected to the clevises, and rings for the over-draw check lines, substantially as and for the purpose set forth.

2. A main bit having swiveled or pivoted
5 to its ends, rein rings, cheek-pieces, and clevises, and a supplemental bit loosely connected to the clevises and provided with a curb at right angles to the length thereof, and

rings for the over-draw check lines loosely connected to the supplemental bit, substantially as and for the purpose specified.

ERNEST L. CRUGER.

Witnesses:

H. T. AMES,

T. A. WILLIAMS.