

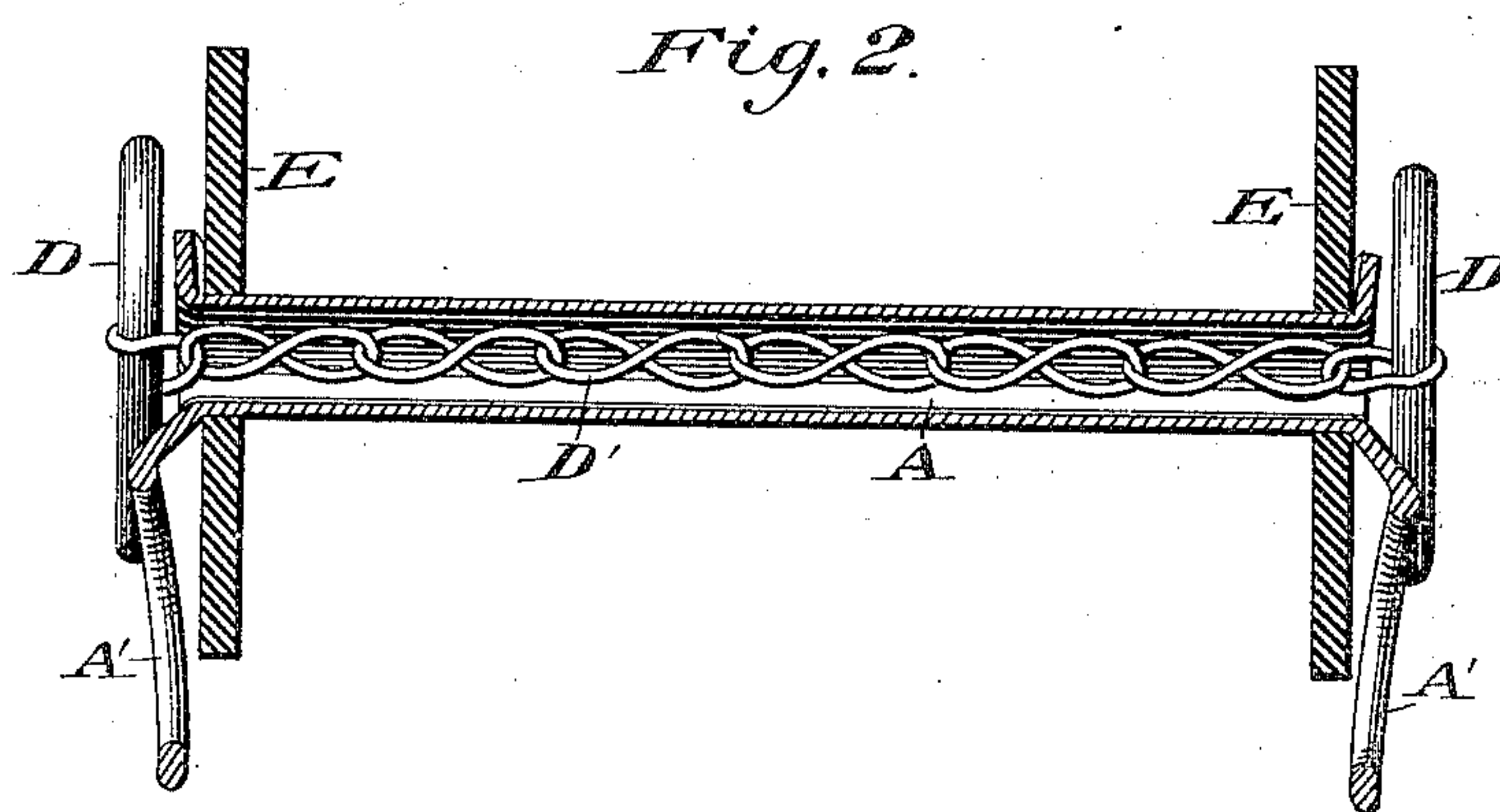
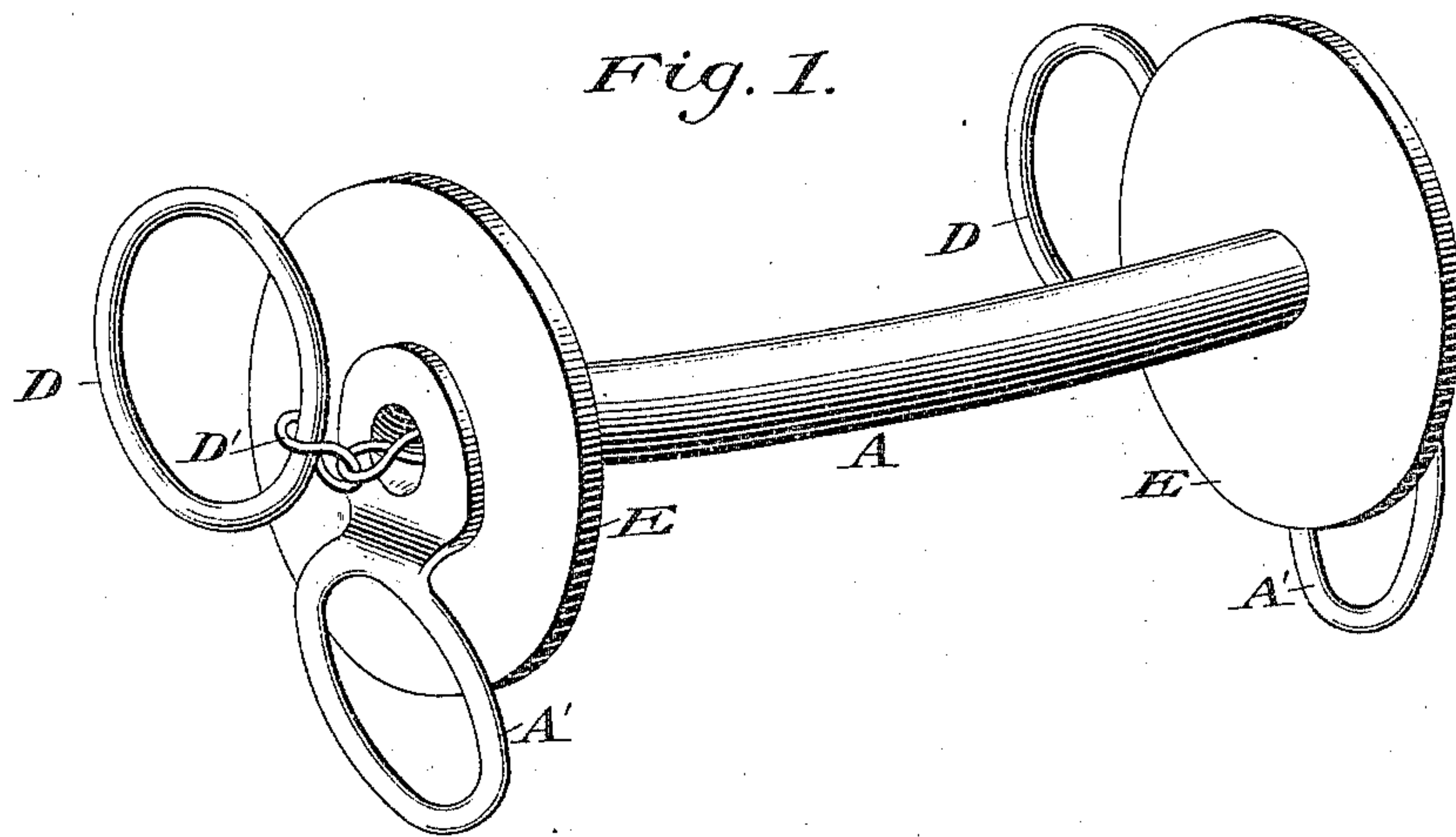
(No Model.)

L. LYNCH.

BRIDLE BIT.

No. 311,436.

Patented Jan. 27, 1885.



Witnesses:

Wm. H. Hewey
Wm. D. Sylvester

Inventor.

Lawrence Lynch
By G. W. Ford Atty.

UNITED STATES PATENT OFFICE.

LAWRENCE LYNCH, OF BATAVIA, NEW YORK.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 311,436, dated January 27, 1885.

Application filed July 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, LAWRENCE LYNCH, a citizen of the United States, residing at Batavia, in the county of Genesee and State of New York, have invented a new and useful Improvement in Bridle-Bits, of which the following is a specification.

My invention relates to improvements in bridle-bits, in which a single mouth-piece is used in conjunction with cheek-pieces and cheek-strap attachments; and the objects of my improvements are, first, to provide a single mouth-piece, cylindrical in form, with a centrally longitudinally tubular perforation its entire length, and having eyes for the usual cheek-straps rigidly attached to each end of the tubular mouth-piece; second, to render the bit easy in its operation within the mouth of the horse by giving a certain amount of lateral play to the driving-reins by the use of a flexible connection within the tube forming the mouth-piece. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the entire bit, showing the rein-rings attached to the ends of the flexible connecting rod or chain, and Fig. 2 is a longitudinal sectional view taken through the center of the mouth-piece and the rigid cheek-strap eyes.

Similar letters refer to similar parts throughout the several views.

A is the tubular mouth-piece, made continuous the entire length, and having rigidly attached to each end the cheek-strap eyes A', the eyes having a corresponding opening with the mouth-piece. These cheek-strap eyes may be screw-threaded, riveted, welded, or made fast in any well-known manner, so that they shall be rigidly attached and allow of the continuous tubular opening.

D are rein-rings attached to the ends of a flexible rod or chain, D', so arranged that it passes loosely through the tube forming the mouth-piece.

E are cheek-pieces, preferably made of leather; but, if desired, metal or other suitable material may be used. These cheek-pieces are sleeved upon the tubular mouth-piece, and are placed in position before the cheek-strap eyes are attached. This bit is especially designed for use in connection with tender-mouthed horses, and is not calculated for service as a safety-bit upon vicious animals.

In practice it is not necessary to give the bit a lateral movement in guiding the horse, as the chain connecting the rein-rings is made longer than the mouth-piece through which it passes, so as to give the necessary play without causing the actuation of the mouth-piece.

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

1. The combination of the tubular mouth-piece, the cheek-strap pieces firmly united to the mouth-piece, with the orifice extending through the whole length, and the cheek-pieces sleeved upon the tubular mouth-piece, substantially as described.

2. The combination of the tubular mouth-piece, the cheek-strap eyes firmly united with the mouth-piece, and the flexible rod or guiding-chain, arranged substantially as described.

3. The combination of the tubular mouth-piece, the flexible guiding rod or chain, and the rein-rings attached to either end of the chain, substantially as described.

LAWRENCE LYNCH.

Witnesses:

G. W. FORD,
E. J. MOCKFORD.