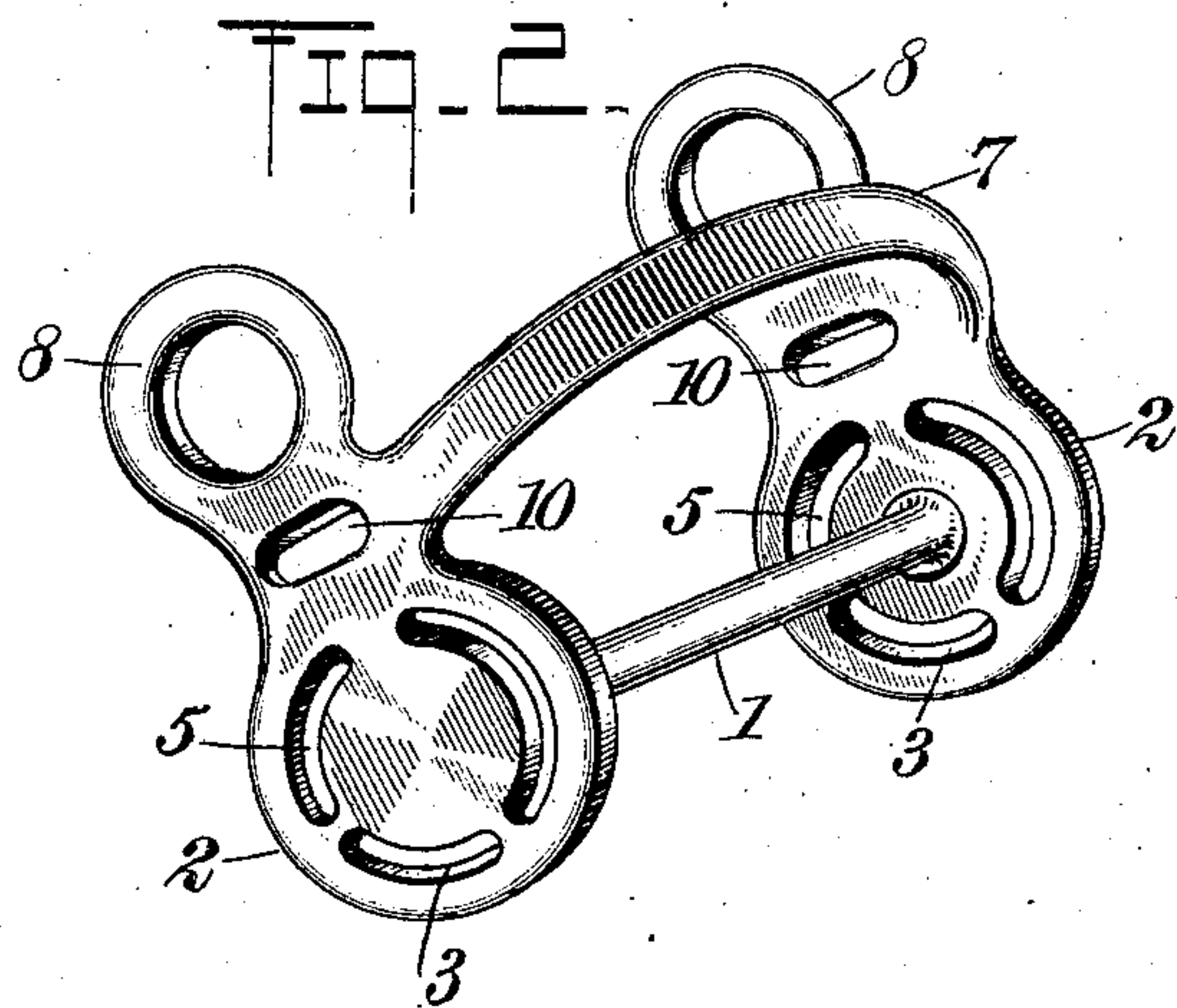
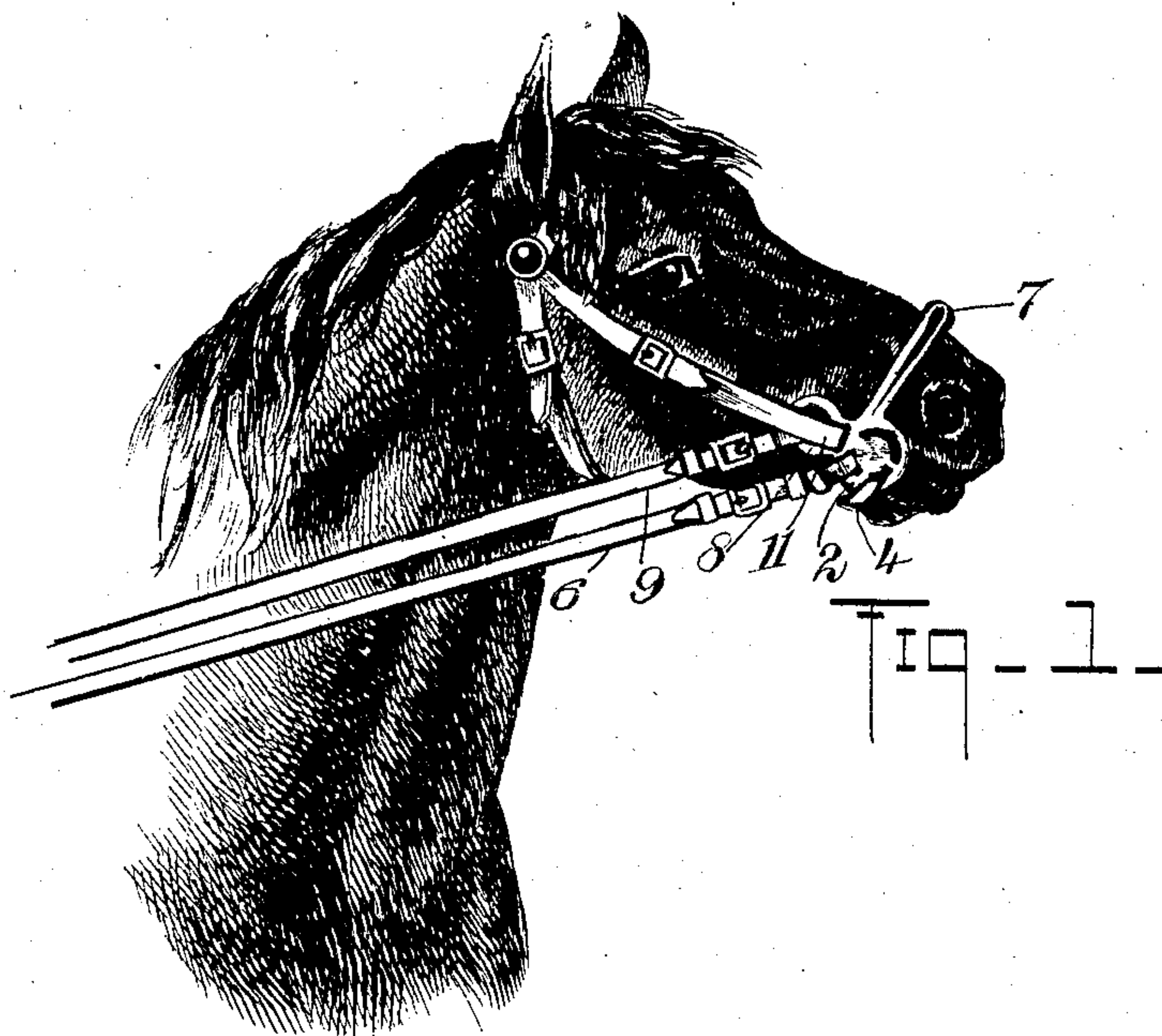


No. 785,512.

PATENTED MAR. 21, 1905.

T. MILLIGAN.  
BRIDLE BIT.

APPLICATION FILED MAY 11, 1904.



WITNESSES:

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BY

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ATTORNEYS

## UNITED STATES PATENT OFFICE.

THOMAS MILLIGAN, OF FORTUNA, CALIFORNIA.

## BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 785,512, dated March 21, 1905.

Application filed May 11, 1904. Serial No. 207,389.

*To all whom it may concern:*

Be it known that I, THOMAS MILLIGAN, a citizen of the United States, and a resident of Fortuna, in the county of Humboldt and State of California, have invented a new and Improved Bridle-Bit, of which the following is a full, clear, and exact description.

This invention relates to improvements in bridle-bits for horses, an object being to provide a novel form of bit particularly adapted for controlling fractious horses with comparatively little effort on the part of the driver.

I will describe a bridle-bit embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 shows a bit embodying my invention as applied to a horse, and Fig. 2 is a perspective view of the bit.

Referring to the drawings, 1 designates a bit having guard-plates 2 on its ends, these plates being provided with slots 3 to receive the chin-strap 4 and slots 5 for receiving the ordinary driving-reins 6, these ordinary driving-reins 6 being rearward of and practically in line with the bit 1, so that undue pressure will not be forced upon the horse's nose. Above the bit 1 and formed integral with the guard-plates is a metal nose-band 7, designed to engage over the nose of a horse, as clearly indicated in Fig. 1. Above the nose-piece the guard-plates are provided with rings 8 for receiving safety-reins 9, and the guard-plates

are also provided with slots 10 for receiving the cheek-pieces 11 of the bridle.

In the operation while driving an unruly horse by drawing upon the safety-reins 9 the nose-band 7 will be forced tightly against the horse's nose, the bit 1 serving as a fulcrum by bearing against the upper jaw of the animal. As the drawing strain of the reins is above the nose-piece, it is obvious that a considerable pressure may be brought to bear on a horse's nose with a comparatively little drawing strain on the part of the driver.

I am aware that leather nose-pieces have been used in connection with bits; but they do not bear with sufficient pressure on the tender part of a horse's nose, and therefore are objectionable.

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

A bit, guard-plates on the end of the bit and integral therewith, a rigid metal nose-piece above the bit and integral with said guard-plates, and ring members integral with the guard-plates above their connections with the nose-piece, the relation between the bit and nose-piece being such that when the device is drawn upon to force the nose-piece against an animal's nose, the bit will serve as a fulcrum by engaging the roof of the animal's mouth.

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

THOMAS MILLIGAN.

Witnesses:

AARON G. GRANT,  
ROBERT L. McLEOD.