

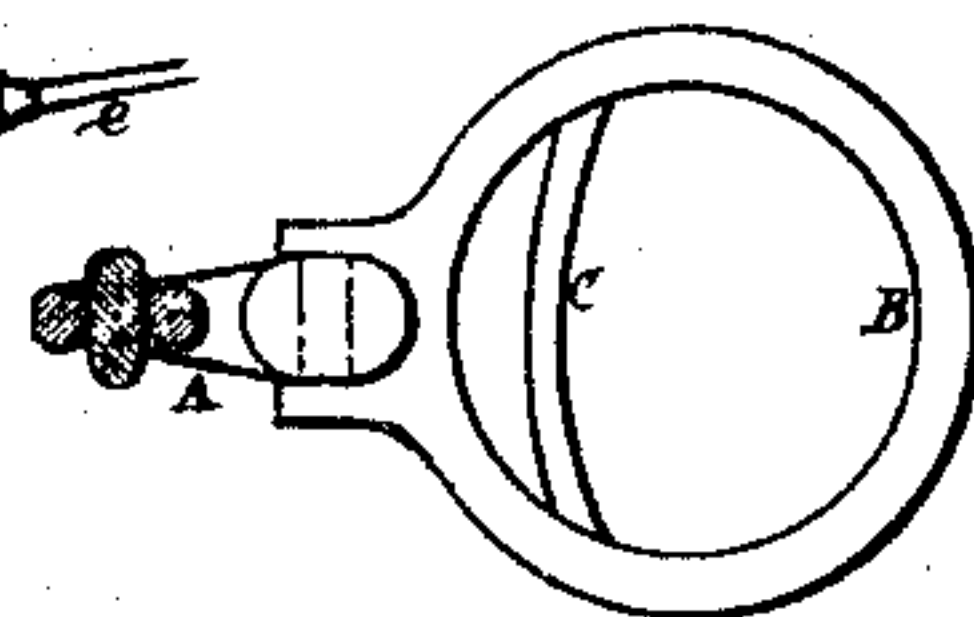
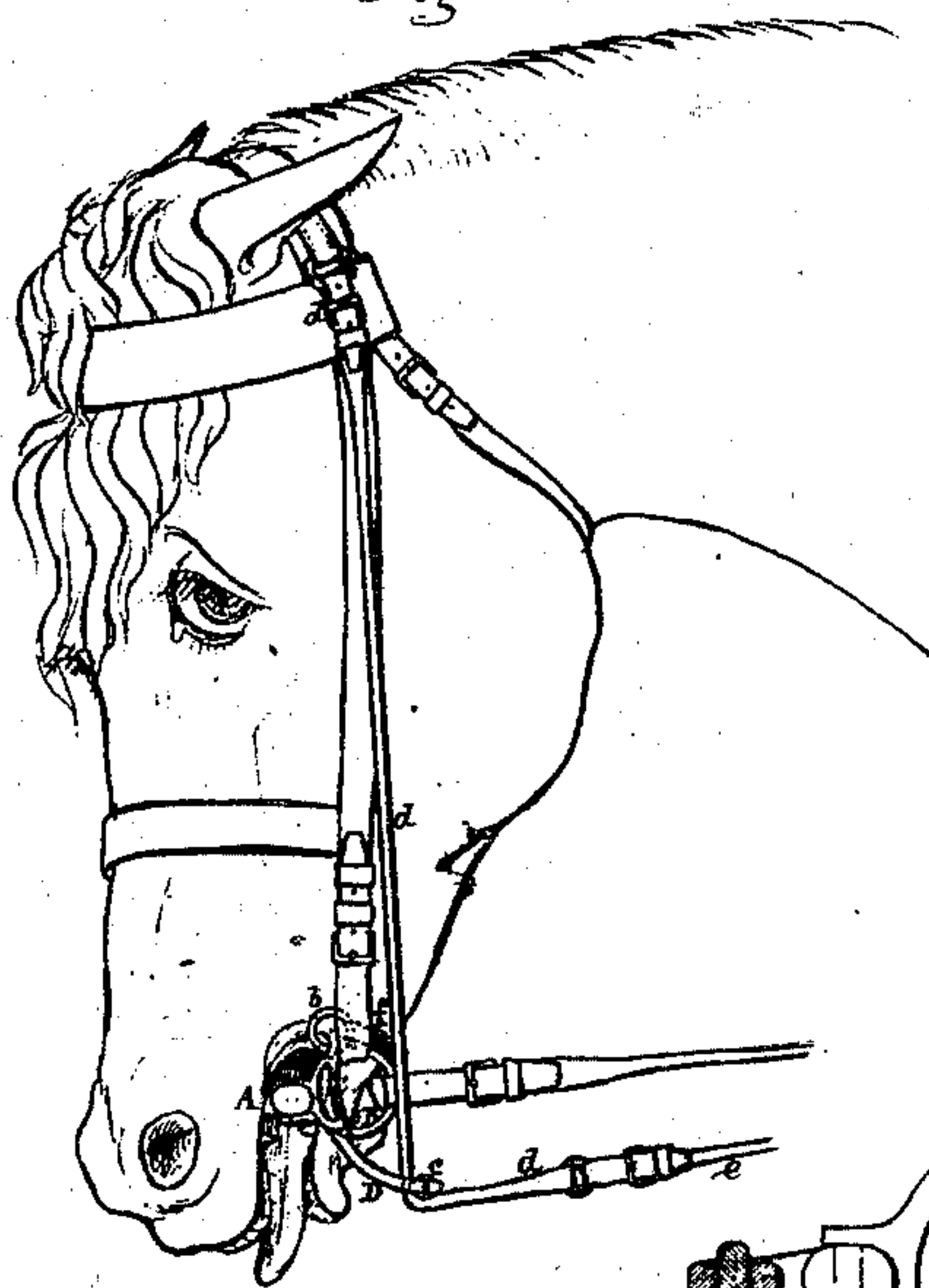
*M. Foreacre,*

*Bridle Bit.*

*No. 106044.*

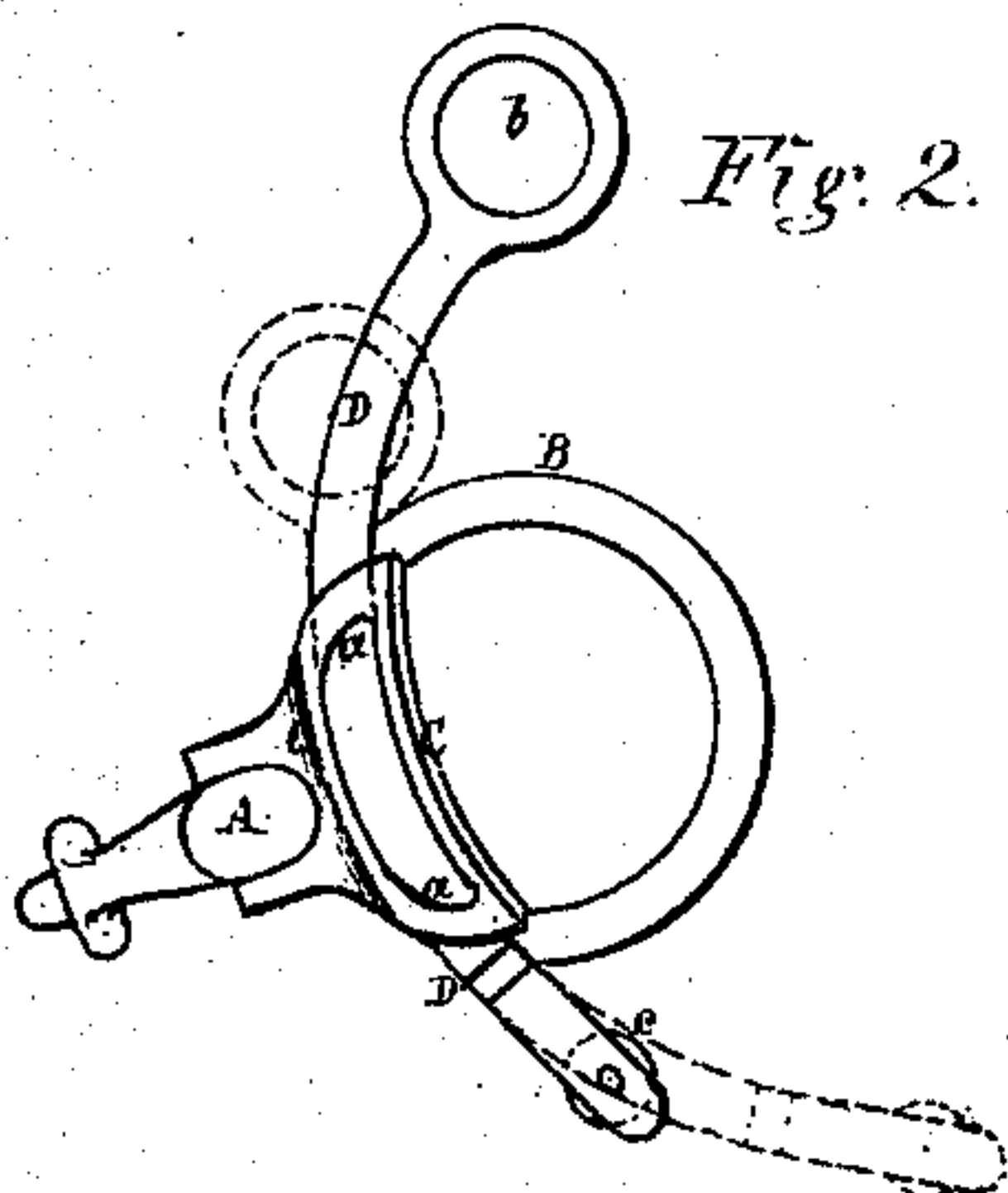
*Patented Aug. 2. 1870.*

*Fig. 1.*

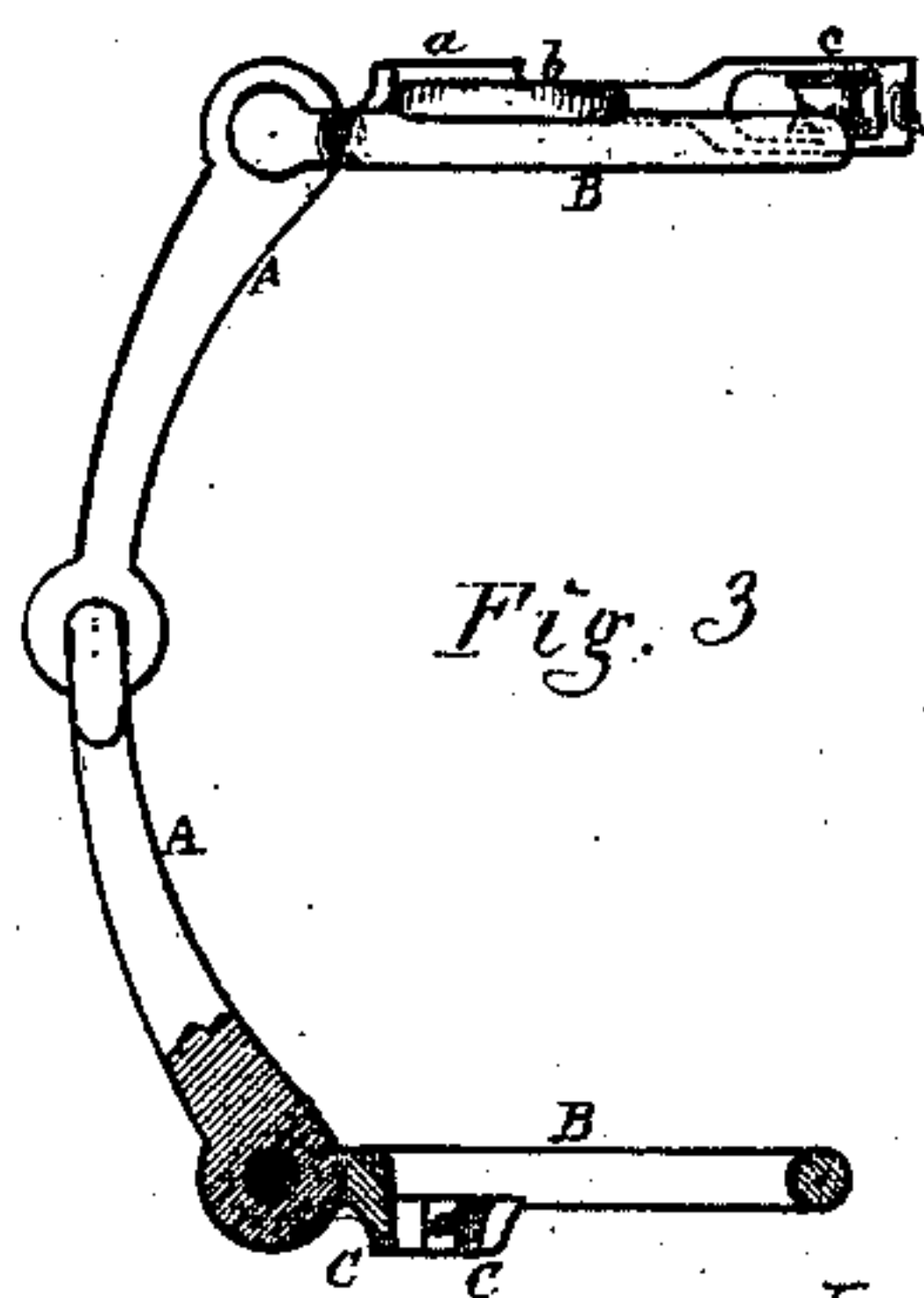


*Fig. 4.*

*Fig. 2.*



*Fig. 3.*



*Witnesses*  
*Joseph Herron*  
*Anthony Bowen.*

*Inventor*  
*Masculine Foreacre*  
*By Charles Herron. his atty.*



# United States Patent Office.

MASCULINE FOREACRE, OF NEW HARRISBURG, OHIO.

Letters Patent No. 106,044, dated August 2, 1870.

## IMPROVEMENT IN BRIDLE-BITS.

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, MASCULINE FOREACRE, of New Harrisburg, in the county of Carroll and State of Ohio, have invented a new and useful Improvement in Bridle-Bits; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawing making part of this specification, in which—

Figure 1 shows my improved bit as in use, attached to a bridle;

Figure 2 is an enlarged side view;

Figure 3 is a top view, with a portion in section; and

Figure 4 is an elevation of the inside of one of the rings, with a section through the point of the mouth-bit or snaffle.

The nature of my invention consists in so arranging a sliding curved bar or lever that a refractory horse may be completely mastered and brought to a standstill, while a gentle one will be under no more restraint than with an ordinary snaffle-bit.

In the drawing—

A A is the snaffle of the bit, attached to rings B, by which the bit is suspended from the head-stall of any bridle.

C is a curved shears, (see in section, fig. 3,) raised on the outside of the bridle-rings B, and extending across from side to side of each of them, between the center and the periphery, and bridged where they cross the rings, as seen at *a*, fig. 2, so as to constitute a channel or way for the curved lever D to slide in.

This lever or bar is the arc of a circle, as is also its channel-way in the shears C, and bears a ring or loop, *b*, at its upper end for the attachment of the curb-chain in the ordinary manner, when it is to be used.

At the lower end of the bar D is a pulley-sheave, *c*, as shown in figs. 2 and 3.

The snaffle-rein or the check-rein, according as saddle or harness is used, is attached to the bridle-rings B, as in fig. 1.

To the head-stall, near where the throat-latch and the check-strap divide, and outside of the head-band, is attached a power-rein, *d*, (see fig. 1,) the lower end

of which is passed through the bar D, at the sheave *c*, and terminates in a ring, by which the rein *e* for harness, or the curb-rein for a saddle, is attached to it.

In the normal condition of this bit, as when it is in the mouth of a gentle and obedient horse, the lever D will be in the position shown in fig. 2, and the curb *f* will be free from contact with the under side of the jaw.

The fulcrum of the lever being in the limbs of the snaffle A, where they rest on the bars of the horse's mouth, a pull upon the rein *e*, sufficient to stop the horse or turn him, will be no more severe than if it were attached to the bridle-ring B.

If the horse be hard-mouthed or vicious, the pull upon the rein *e*, required to control him, will cause the lever D to slide down in its bearings *c*, so as to be in the position shown in fig. 1, and by dotted lines in fig. 2, when the curb *f* will be lowered and brought into contact with the jaw just above the chin, and the distance between the sheave of the lever D and its fulcrum at A, being greatly increased, while the distance between the fulcrum and the loops *b* is as much lessened, the rein *e* will completely control the horse and render him powerless for mischief.

This power of the lever D is greatly enhanced by the action of the power-rein *d*, which renders through and around the sheave *c*, so as to lift the snaffle A in the mouth, and cause it to press upon the sharpest part of the bars of the mouth, where they are the most sensitive.

Having thus fully described my invention,

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

The rings B, constructed with the curved shears C, and sliding levers D, having sheaves *c*, arranged and operating substantially as set forth.

The above specification signed by me this 4th day of June, 1870.

MASCULINE FOREACRE.

Witnesses:

JOSHUA J. ROLLINS,  
GEORGE W. PERRY.