

M. Foreacre,
Bridle Bit.

No. 106044.

Patented Aug. 2. 1870.

Fig. 1.

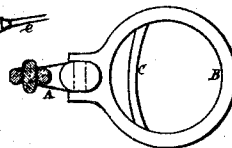
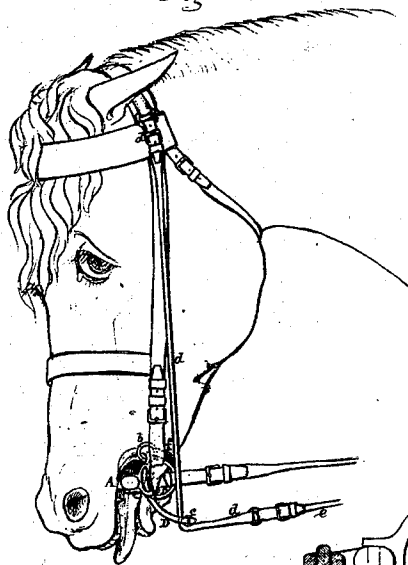


Fig. 4.

Fig. 2.

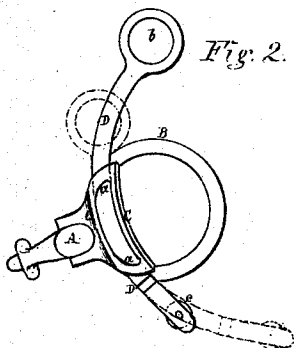
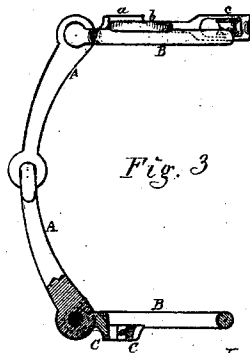


Fig. 3.



Witnesses
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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.