

A. C. TICKNER.
BRIDLE-BIT.

No. 190,646.

Patented May 8, 1877.

Fig. 1.

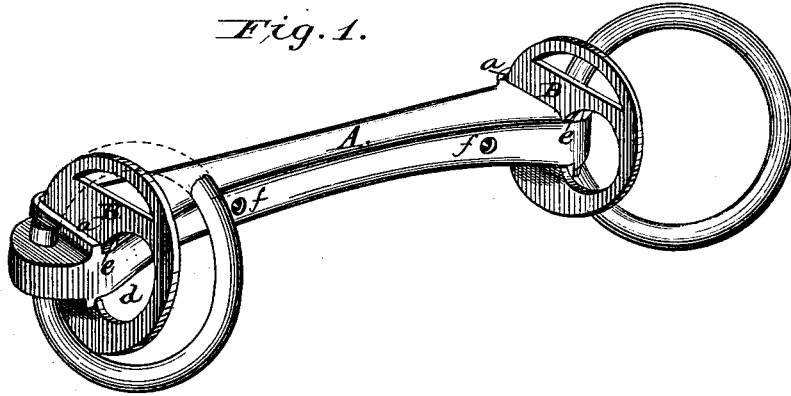
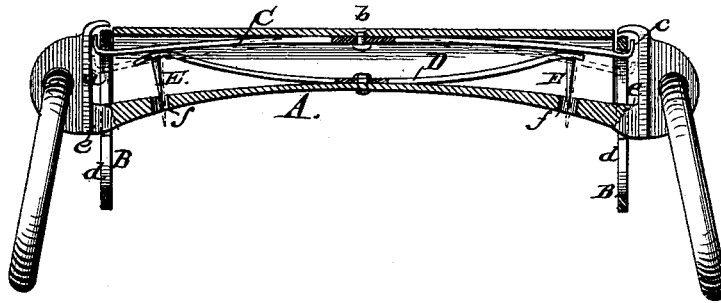


Fig. 2.



Attest:
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ARVIN C. TICKNER, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN BRIDLE-BITS.

Specification forming part of Letters Patent No. 190,646, dated May 8, 1877; application filed April 7, 1877.

To all whom it may concern:

Be it known that I, ARVIN C. TICKNER, of Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Bridle-Bits, of which the following is a specification:

This invention relates to certain improvements in bridle-bits, and has for its object to prevent a horse from hugging the bit and from holding his head down; and to this end my invention consists in constructing the bit portion hollow, and arranging therein a flat metallic spring-bar, attached at each end to the rings to which the check-reins are attached, said spring-bar bearing upon a rod carrying at each end one or more spurs, which fall directly opposite apertures in the bit portion, in such a manner that if the horse hugs the bit and throws his head down the check-rein will operate the spring-bar, which, acting on the ends of the rod carrying the spurs, throws the latter out and pricks his tongue or mouth, and thereby causes the horse to immediately throw his head up and release the bit, all of which will be fully hereinafter described.

In the accompanying drawings, Figure 1 represents a perspective view of my improved bit for horses, and Fig. 2 a longitudinal transverse section.

Referring to the drawings, A represents the bit portion, which is constructed hollow and slotted at each end, as at *a*, for receiving the loops B B, to which the check-rein is attached. Within the bit portion are arranged two spring-bars, C D, both of which are riveted or otherwise connected at their center to the bit, as at *b*, and the bar C has each of its ends bent, as at *c*, and over said ends are arranged the loops B, to which the check-rein is attached, said loops having open slots *d* to permit them

to work freely over, while they are guided by, the solid portion or wall *e* of the bit. The bar D is provided at or near each end with one or more spurs, E, which fall directly opposite apertures *f f* in the bit, the whole being arranged as shown, whereby, when the horse hugs the bit and throws his head down, the check-rein, being, of course, fastened to the check-hook, will draw on the loops B and pull the ends of the bar C inward, thereby forcing the spurs E through the openings *f* in the bit, and pricking the horse's tongue or mouth, compelling him to release the bit and throw his head up. The rings F F, to which the driving-reins are attached, are connected to the extreme ends of the bit portion, as usual.

With a bit constructed according to my invention the horse is caused to always hold his head up, for the reason that as soon as he throws his head down to hug the bit the spurs will prick him; and the horse will soon become accustomed to the bit, and hold his head up at all times, and will not attempt to hug the bit.

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

The combination, with the hollow perforated bit A, of the bars C and D, the latter having spurs registering with the perforations, and the loops B, all substantially as shown, for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

ARVIN C. TICKNER.

Witnesses:

ENOS H. STEVENS,
N. F. GROVES.