

B. F. Brewster, Bridle.

No. 93047.

Patented July 27, 1869

Fig: 1.

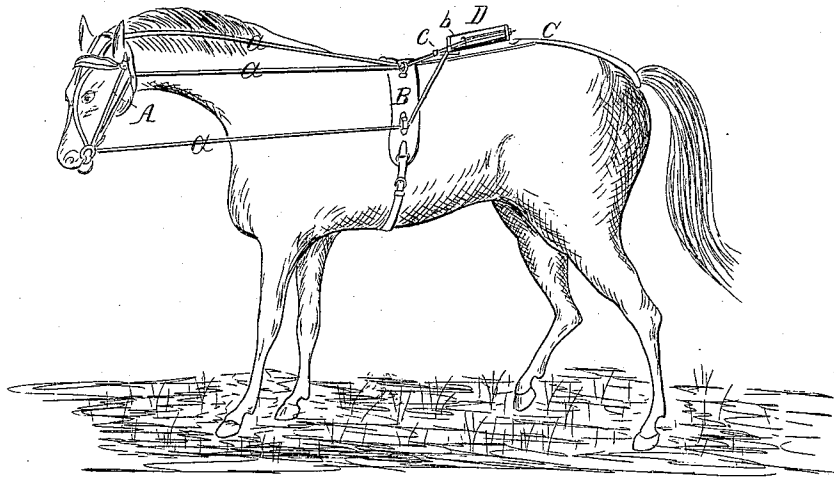


Fig: 2.

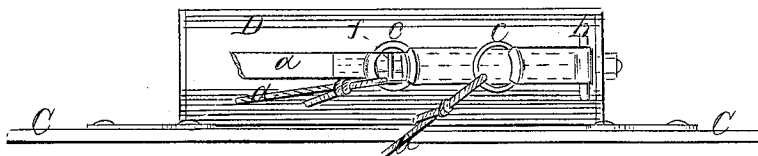
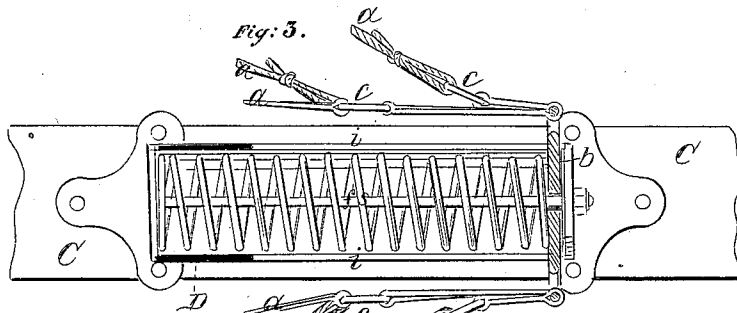


Fig: 3.



Witnesses.

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BENJAMIN F. BREWSTER, OF NORWICH, CONNECTICUT.

Letters Patent No. 93,047, dated July 27, 1869.

IMPROVED BITTING-HARNESS.

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, BENJAMIN F. BREWSTER, of Norwich, in the county of New London, and State of Connecticut, have invented a new and useful Improvement in Biting-Harness; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form part of this specification.

My invention consists in a novel construction of biting-harness, provided with an elastic or yielding check, arranged upon the crupper-strap, and as hereinafter more fully described.

Referring to the accompanying drawings—

Figure 1 represents my improved biting-harness, applied to a horse, illustrating its action during the natural resistance offered by the horse;

Figure 2 represents a longitudinal view; and

Figure 3, a horizontal section of a detached portion of the same.

Similar letters of reference indicate corresponding parts in the several figures.

A is the bridle;

B, the saddle; and

C, the back-strap of a biting-harness, of the ordinary construction, and having the usual biting-reins *a a a*, passing back from the bits.

Instead of being secured to stationary rings of the saddle B, or to a dumb jockey, however, as is gene-

rally the case, the said biting-reins *a* are passed through guide-rings, or over pulleys thereon, and are secured to rings *c*, which are connected by straps, or otherwise, to a yielding yoke, *b*, of a spring-check attachment, so as to allow a yielding of the check when the horse lowers his head.

Said spring-check is secured firmly upon the back-strap C, lengthwise thereof, and immediately behind the saddle.

This spring-check consists of a hollow cylindrical shell or case, D, containing a transverse yoke, *b*.

Said yoke *b* is fitted to slide back and forth through longitudinal slots *i i* in the case, and over a fixed guide-rod, *f*, arranged in the axial centre of the cylindrical case, and is so actuated by means of a spiral spring, *s*, as to exert a constant resistance to the downward movements of the horse's head, through the medium of the said biting-reins *a*.

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

The arrangement of the spring-holding case D, on the crupper-strap C, in combination with the girth B, bridle A, and reins *a a a*, substantially as shown and described.

BENJ. F. BREWSTER.

Witnesses:

FREDK. HAYNES,
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