

A. J. SHORT.
MUZZLE-BITS FOR HORSES.

No. 186,371.

Patented Jan. 16, 1877.

Fig. 1.

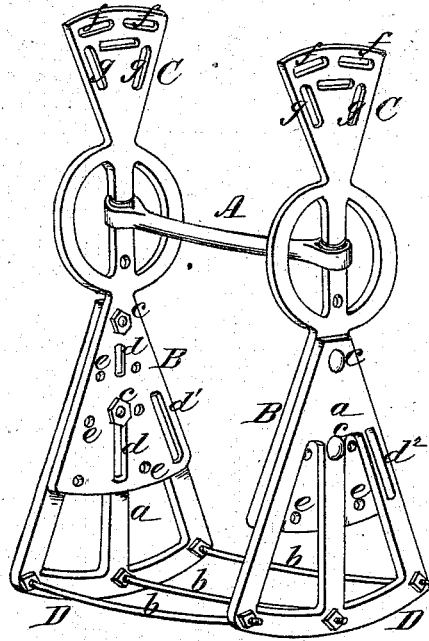
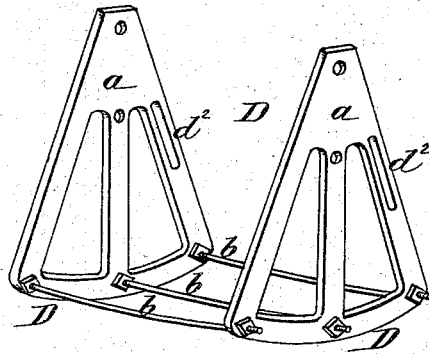


Fig. 2.



Witnesses
Floyd Morris
D. P. Cowl

Inventor,
Andrew J. Short,
by Johnson & Johnson
Attys

UNITED STATES PATENT OFFICE.

ANDREW J. SHORT, OF GYPSUM, NEW YORK.

IMPROVEMENT IN MUZZLE-BITS FOR HORSES.

Specification forming part of Letters Patent No. **186,371**, dated January 16, 1877; application filed November 16, 1876.

To all whom it may concern:

Be it known that I, ANDREW J. SHORT, of Gypsum, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Muzzle-Bits; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The invention consists in the combination, with a bit, of an adjustable and detachable muzzle; and the object thereof is to prevent the cribbing and biting of horses and mules; to prevent colts from acquiring the habit of flapping the lower lip and the tongue, and to cure such habit when acquired; and it is made adjustable, to suit different-sized animals, and detachable for the obvious reason that it may not be always required, and, when not required, is detached, leaving the bit portion intact and ready for use as a bit only.

In the accompanying drawings, Figure 1 represents a view in perspective of my muzzle-bit, and Fig. 2 a perspective view of the muzzle portion detached.

The bit A may be of any of the approved forms, provided with downward extensions B of the cheek-pieces, and similar upward extensions C, from the former of which the muzzle D hangs, and is attached in a manner capable of adjustment, and from the latter the

bit is supported at different angles by the head-stall. The muzzle portion D consists of open side pieces *a a*, connected at the bottom by muzzle-bars *b b*, said side pieces *a a* being fastened to the downward extensions B by clamp-screws *c c*, which may pass through the slots *d d d'* of each side B, or the holes *e* therein, whereby the muzzle may be adjusted at any angle to suit the incline of the mouth. In the example shown the slots *d'* are coincident with slots *d''* in the muzzle D, in which the end buckle of each rein may be made fast to the muzzle-bit.

The muzzle-bars *b b* may have a central bar at right angles, which will prevent a horse from the side cribbing of hitching-posts.

In the upward extensions of the bit portion C are lateral slots *f f f*, and vertical, or nearly vertical, slots *g g*, the former serving for the head-stall attachment at any angle, and the latter for nose and chin pieces to preserve said angle of adjustment.

I claim—

1. The combination, with a bit, of a detachable muzzle.
2. The combination, with a bit, of an adjustable and detachable muzzle.

In testimony that I claim the foregoing I have affixed my signature in the presence of two witnesses.

ANDREW J. SHORT.

Witnesses:

A. E. H. JOHNSON,
J. W. HAMILTON JOHNSON.