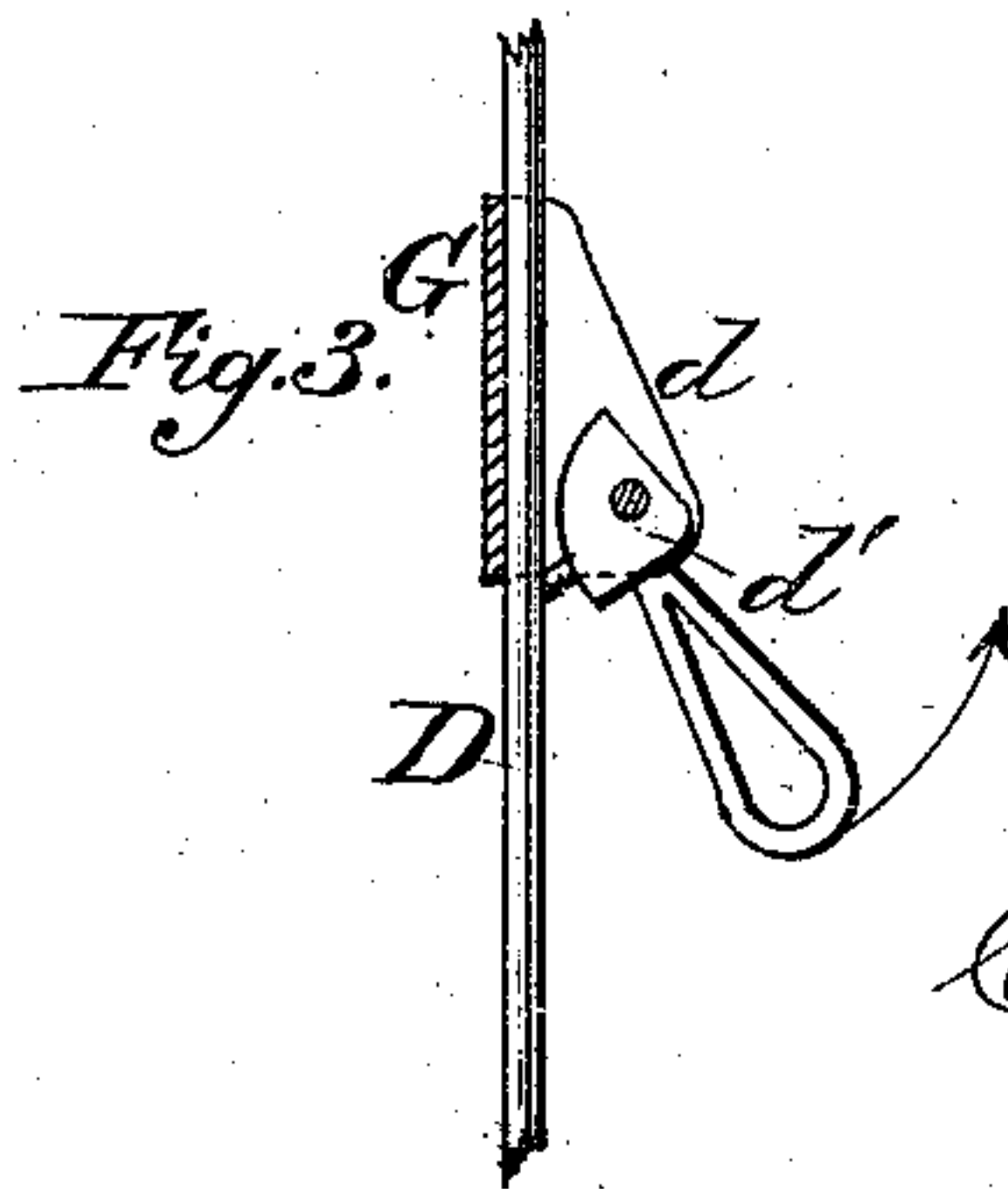
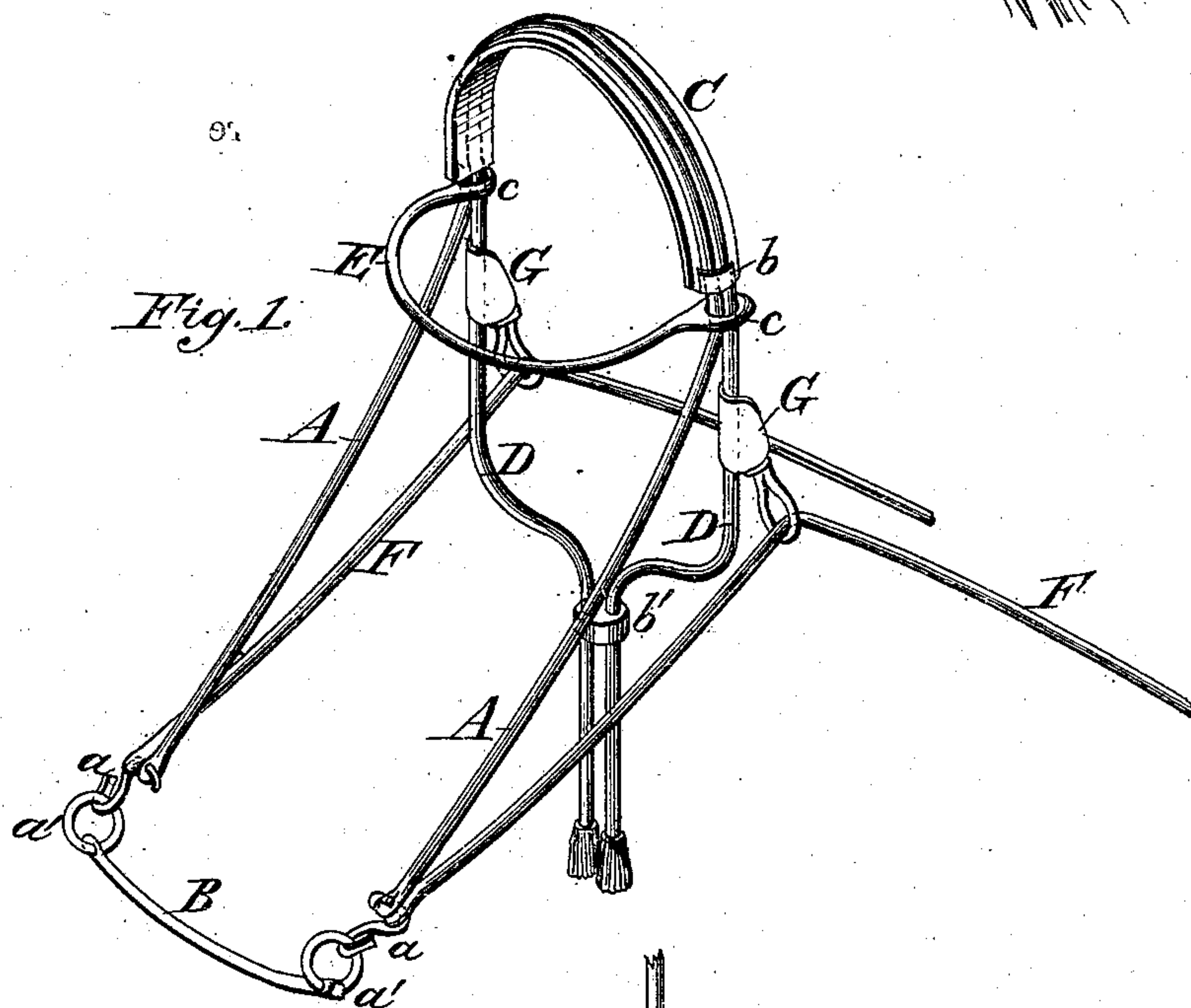
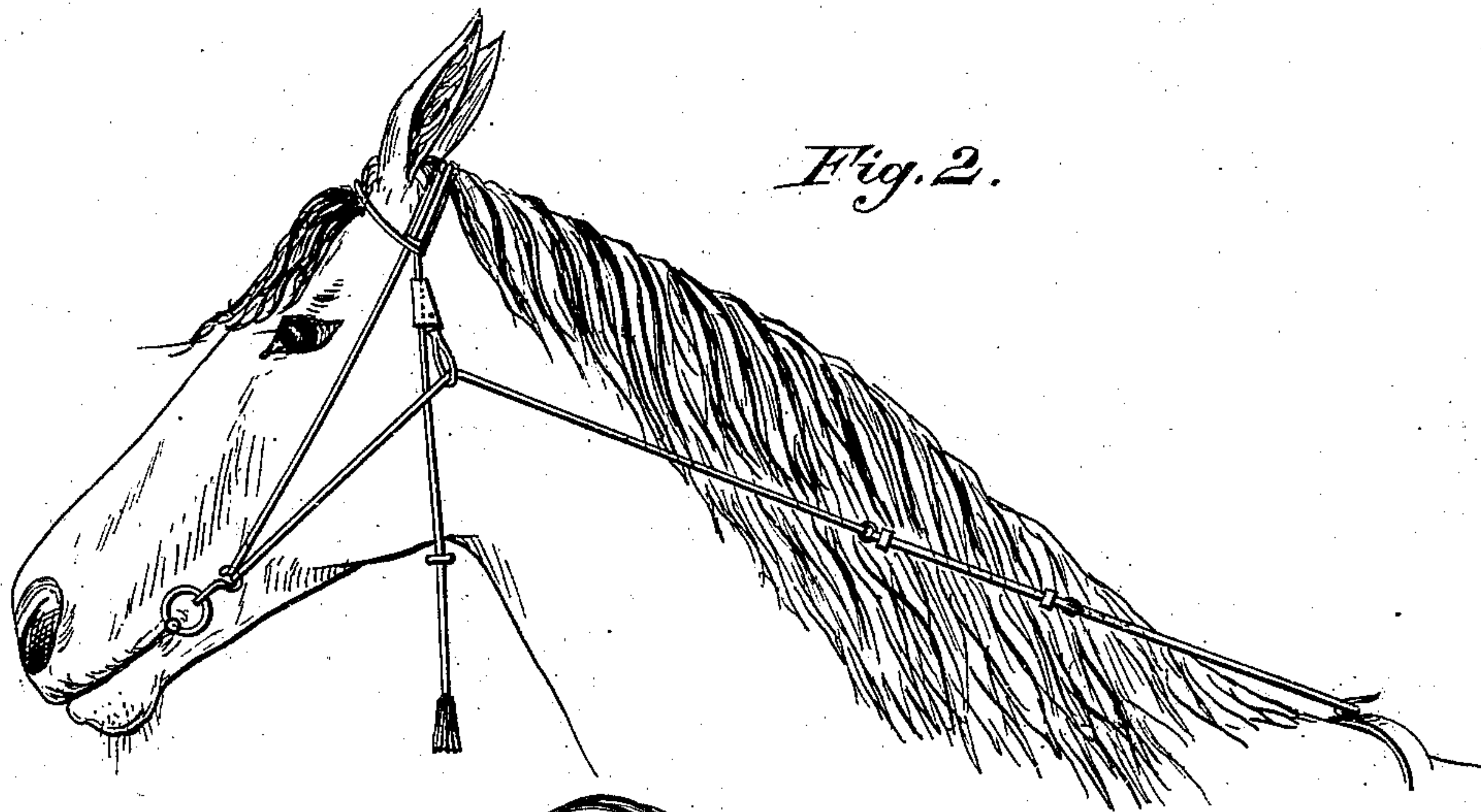


E. B. WILLIAMS.  
Bridle and Check Rein.

No. 228,152.

Patented May 25, 1880.



Attest:

J. H. Schott.  
A. R. Brown

Inventor:

Edmund B. Williams  
J. C. Foster atty



# UNITED STATES PATENT OFFICE.

EDMUND B. WILLIAMS, OF LITTLE MEADOWS, PENNSYLVANIA.

## BRIDLE AND CHECK-REIN.

SPECIFICATION forming part of Letters Patent No. 228,152, dated May 25, 1880.

Application filed November 21, 1879.

*To all whom it may concern:*

Be it known that I, EDMUND B. WILLIAMS, of Little Meadows, in the county of Susquehanna and State of Pennsylvania, have invented certain new and useful Improvements in Bridles and Check-Reins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as 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.

This invention relates to that class of bridles for horses in which buckles are dispensed with, the object being to produce a bridle which shall be much lighter than that in common use and have a better appearance; and the invention consists in the construction and arrangement of the several parts, as will be hereinafter fully described, and then specifically pointed out in the claims.

Figure 1 is a perspective view of the bridle complete. Fig. 2 shows it applied to a horse's head; and Fig. 3 is a detail, partly in section, of one of the cam-loops applied to a rein.

In the drawings, A represents the side straps of the bridle, connected at each end to the bit B by snap-hooks *a* and rings *a'*. This strap passes through loops *b* at each end of the flat strap, forming the crown-piece C. The throat-latch D also passes through the loops *b* and over the crown-piece, its two ends being connected by the slide *b'*, through suitable orifices in which they are passed, the friction of the slide upon the two parts of the throat-latch being sufficient to hold it in position wherever it may be placed with sufficient firmness to prevent its slipping under the ordinary strains which come upon it in use.

The brow-band E is provided with loops *c c* at each end, through which are passed the side strap and throat-latch, the friction of which within the loops is sufficient to retain the front strap in place.

The check-rein F is attached at each end to the snap-hooks *a*, passing thence upward through the cam-loops G, secured upon the throat-latch, and back to the check-hook, in the ordinary manner. These cam-loops are formed

of a metal plate, *d*, bent into a U form, and having the metal loop *d'*, provided with a cam-shaped end, pivoted between its sides.

It will be apparent that when the loop incloses a strap, as shown in Fig. 3 of the drawings, the pressure of the cam upon the strap will retain the loop in any position thereon in which it may have been placed. The check-rein is also provided with slip loops or buckles to adjust it to the desired length in the ordinary manner.

This bridle will be found to possess many advantages, among which may be enumerated the great ease with which it is placed upon the horse's head and secured, there being no buckle to manipulate, the simple sliding of the loop upon the throat-latch being all that is necessary to secure it in place and this may be done with ease in the coldest weather. Its cheapness of construction will also tend to bring it into use rapidly, while the freedom it gives to the head of the horse greatly improves the appearance of the animal, there being only sufficient surface covered by the bridle to present proper contrasts, and not enough to give the head a covered-up appearance, as is the case with most bridles in common use.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent, the following:

1. In a bridle, the cam-loop G, composed of the body portion *d* and cam provided with the loop *d'*, arranged and operating in the manner set forth.
2. The combination, in a bridle, of the cam-loop G with the throat-latch D and check-rein F, substantially as specified.
3. The combination, in a bridle, of the cam-loop G with the throat-latch D, provided with a sliding loop, *b'*, and check-rein F, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of November, 1879.

EDMUND B. WILLIAMS.

Witnesses:

L. W. BARTON,  
E. J. DE WITT.