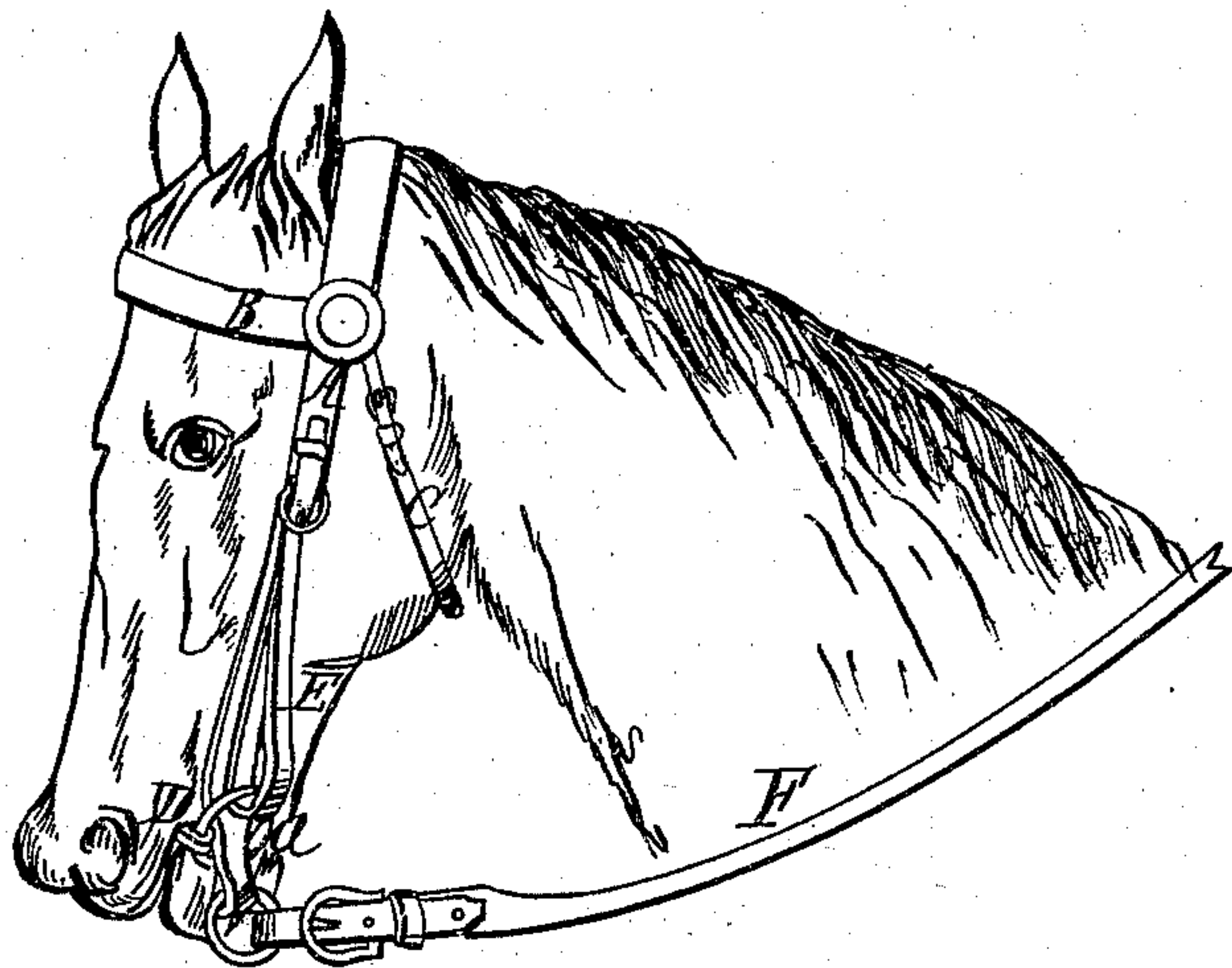


G. W. Barnes.
Safety Bridle.

N^o 80,897.

Patented Aug. 11, 1868.



Witnesses:

John Stevens
Emma J. Ely.

Inventor:

Gilbert W. Barnes

United States Patent Office.

GILBERT W. BARNES, OF MOUNT VERNON, NEW YORK.

Letters Patent No. 80,897, dated August 11, 1868.

IMPROVED SAFETY-BRIDLE.

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, GILBERT W. BARNES, of Mount Vernon, in the county of Westchester, and State of New York, have invented a new and improved Safety-Bridle; 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 make and use the same, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to a new and improved bridle, of that class which have the bit and reins arranged and applied in such a manner that, by pulling on the reins, the bit will be drawn backward or upward in the mouth, and made to bear against the flesh at the angle of the mouth, thereby giving the rider or driver complete control over the animal.

This principle of drawing the bit upward against the angle of the mouth is now very generally conceded by horsemen as being a correct one, in order to control a vicious horse, and quite a number of plans have been devised in order to effect that end, all of which have involved a greater or less additional expense in the manufacture of a bridle.

The object of the present invention is to obtain the result above specified by the simplest possible means, which will not add to the expense of manufacture of a bridle, not be liable to get out of repair, which will be strong, and certain or sure in its operation.

The accompanying drawing represents a side view of my invention applied to a horse.

A represents one of the check-straps of a bridle, B the front strap, C the throat-latch, and D the bit.

The bit, instead of being attached directly to the lower ends of the check-straps, as usual, is connected to them by supplemental straps, E E, and the lower ends of the check-straps pass through the rings *a* at the ends of the bit, the reins F being attached directly to the check-straps.

The bit D, it will be seen, is retained in proper position in the horse's mouth by the supplemental straps E E, and by pulling on the reins F, the check-straps A will be drawn through the rings *a* at the ends of the bit, and the latter drawn upward, and made to bear or press against the angle at the inner end of the mouth, and the desired end attained.

The supplementary straps E consist of single straps, united at one end to the sides of the check-straps, and each is provided at that end with a buckle, which is to receive and hold the other end of said strap. In the loop thus formed, the bit is suspended so as to be readily adjustable and removable when necessary.

Thus, by this simple arrangement, I dispense with all pulleys, and the various additional parts now applied to a bridle to effect the same purpose, and thereby greatly economize in the cost of manufacture, besides obtaining a more certain action of the bit under the pull of the reins, as there is little friction to contend with, and no part of the bridle subject to any undue strain.

I disclaim any of the parts, the subject-matter of patent granted to Samuel B. Hartman, dated June 28, 1864.

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

The supplementary straps E, detachable and adjustable, as applied and combined with the single check-strap A of the safety-bridle, substantially as and for the purpose herein described.

GILBERT W. BARNES.

Witnesses:

JOHN STEVENS,

EMMA J. ELY.