

S. B. Hartman,

Bridle,

Nº 50,822,

Patented Nov. 7, 1865



Witnesses.

Wm. A. Livingston
Wm. C. Newman

Inventor,

S. B. Hartman
By Munn & Co.
attys

UNITED STATES PATENT OFFICE.

S. B. HARTMAN, OF MILLERSVILLE, PENNSYLVANIA.

IMPROVEMENT IN BRIDLES.

Specification forming part of Letters Patent No. 50,822, dated November 7, 1865.

To all whom it may concern:

Be it known that I, S. B. HARTMAN, of Millersville, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Improvement in Bridles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing represents a side view of a horse with my improvements applied to it.

This invention relates to a new and improved safety attachment for bridles, and is an improvement on a bridle for which Letters Patent were granted to me bearing date June 28th, 1864.

The object of the present invention is to simplify and render less cumbersome the device as originally arranged and at the same time retain all its advantages and possess the additional and important one of allowing martingales to be used.

A represents the cheek-straps of the bridle, B the throat-latch, and C the check-rein strap, the ends of which are secured in the rings *a* of the bit D.

E represents the ordinary reins, which, as usual, pass through the terrets F on the saddle G and through the martingale-rings *v v*, and are attached to the rings *a* of the bit.

H represents supplemental lines or reins, which pass through or are fitted in the reins E and are allowed to work or draw loosely therein, the reins H passing out of the reins E just beyond or in the vicinity of the guides or rings *c* on the hames I of the collar, and are attached to the ends of the cheek-straps A, which pass through the rings *a* of the bit D, as shown clearly in the drawing.

When the horse is docile or perfectly tractable the reins E are used, and the ends of these reins are provided with loops or bulbs *d* for the convenience of grasping them, the supplemental reins H extending through the reins E, so that they may be grasped when neces-

sary. This is only required when the animal becomes restive or unmanageable, and it will be seen that, in consequence of the reins H being attached to the cheek-straps A and the latter passing through the rings *a* of the bit D, that in pulling the reins H the bit D will be drawn backward in the mouth of the horse and operate in such a manner as to effectually check him. In fact, the action of the bit will be such that the horse will have to succumb, as the bit will be drawn forcibly back into the angles of the mouth. When the horse is checked and brought back to his work the bit, by pulling on the reins E, will be drawn down to its usual or proper position. Thus by this modification I obtain all of the advantages of the original invention and greatly simplify the device. No additional straps are required, simply supplemental lines or reins, which are connected to the cheek-straps passing through the rings at the end of the bit. The martingales may also be used in the same way as with the ordinary bridles, and the cost of manufacture will not materially exceed that of the ordinary bridle and reins.

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

1. A bridle supplied with a safety attachment formed by the employment or use of supplemental reins connected directly to the cheek-straps, which pass through the rings of the bit, substantially in the manner as herein set forth.

2. The fitting or placing of the supplemental lines or reins within the ordinary reins, when said supplemental lines or reins are connected to the cheek-straps of the bridle and the former pass through the rings of the bit, substantially as set forth.

The above specification of my invention signed by me this 8th day of September, 1865.

S. B. HARTMAN.

Witnesses:

JACOB M. FRANTZ,
J. G. PETERS.