

M. A. PENN.

Bridle for Horses.

No. 126,326.

Patented April 30, 1872.

Fig. 1.

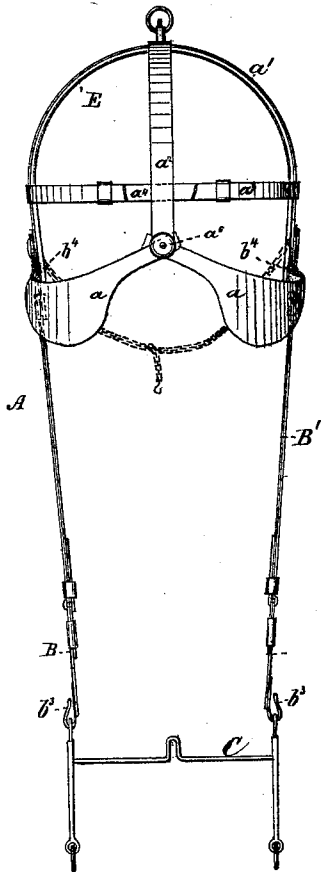


Fig. 2.

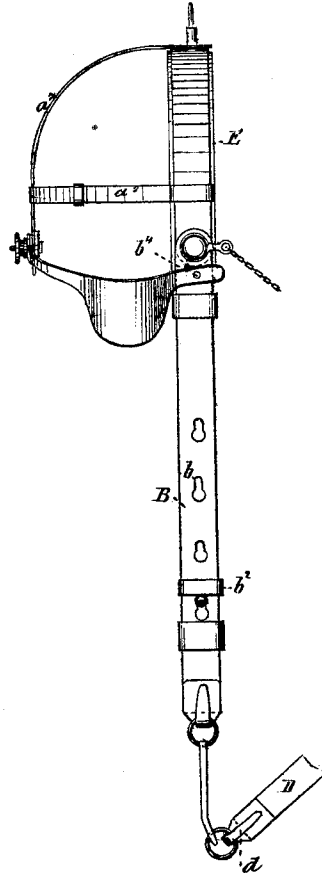


Fig. 3.

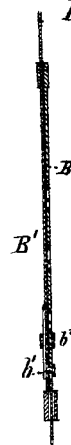
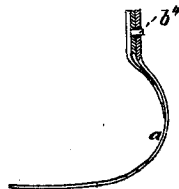


Fig. 4.



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UNITED STATES PATENT OFFICE.

MARTIN A. PENN, OF SUMTER, SOUTH CAROLINA.

IMPROVEMENT IN BRIDLES FOR HORSES.

Specification forming part of Letters Patent No. 126,326, dated April 30, 1872.

Specification describing a Metallic Bridle, invented by MARTIN A. PENN, of Sumter, in the county of Sumter and State of South Carolina.

The invention consists, first, in making the head-stall of a bridle of metallic plates, which can be made more cheaply and more durably than leather; second, in the mode of adjusting the blinds by means of a projecting and adjustable spring, to which they are each attached; third, in holding the side-plates at any adjustment by means of a catch and sliding sleeve; fourth, in attaching the head-stall and reins to bit by hooks.

In the drawing, Figure 1 is a front view. Fig. 2 is a side elevation, and Figs. 3 and 4 are detail views.

A represents the head-stall, formed of thin plates or strips of metal. It has blinds *a a*, and top piece *a*¹, with curved elastic strap *a*² and cross-strap *a*³. *B B'* are two side plates, one of which slides upon the other. The slide *B* is provided with a series of apertures, *b*, into which fits a catch, *b*¹, on the stationary plate *B'*. *b*² is a sleeve, which slides over the catch and enables it to hold the two plates at any desired adjustment. A spring-catch would answer the same purpose, but is liable to get out of order, and therefore not so durable or reliable. The plates *B* have each a hook, *b*³, to which the bit *C* is attached. *D* is a rein, also provided with a hook, *d*, by which it is attached to bit. The blinds *a a* are held by a spring-catch upon the pin *b*⁴ of plates *B'*, or they are attached to the same removable screws which hold the top pieces *a*¹ to the said pieces *B'*. They are held in the center

to end of vertical strap *a*² by a detachable pin or screw, *a*⁵. The vertical strap *a*² passes between cross-strip *a*³ and a clamping strap, *a*⁴. The vertical strap *a*² being elastic, the blinds *a a* can be raised or lowered, and will be firmly held in any position desired. *E* is a piece of leather or other soft material, which is inserted next to the head of horse. By means of the plates *B B'* and the catch, the head-stall *A* can also be adapted to horses whose heads are of different sizes. By means of the spring-hooks on plates and rein, the latter can be detached or changed in a moment. These devices are, of course, applicable to leather or other material.

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

1. As a new article of manufacture, the head-stall *A*, formed of thin metallic plates, as set forth.

2. The pivoted blinds *a a*, combined with an elastic vertical strap, *a*², and cross-straps *a*³ *a*⁴, as described, to admit of adjustment in the manner set forth.

3. The adjustable side pieces *B*, made fast to pieces *B'* at any desired point by means of apertures *b*, catch *b*¹, and sleeve *b*², as described.

4. The hooks on plates *B B* and rein *D*, combined with bit *C*, as described, to form a durable, reliable, and yet quickly detachable connection.

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Witnesses:

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