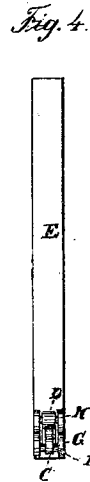
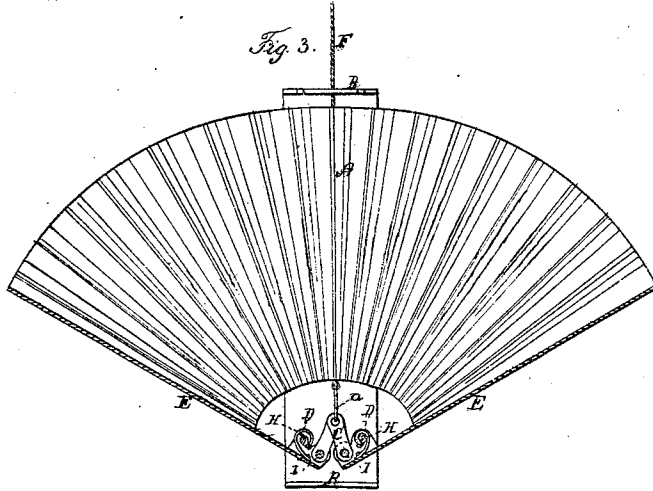
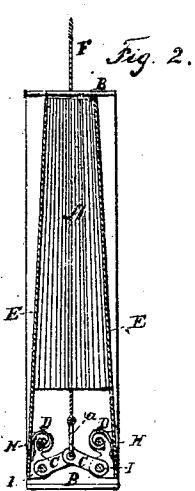
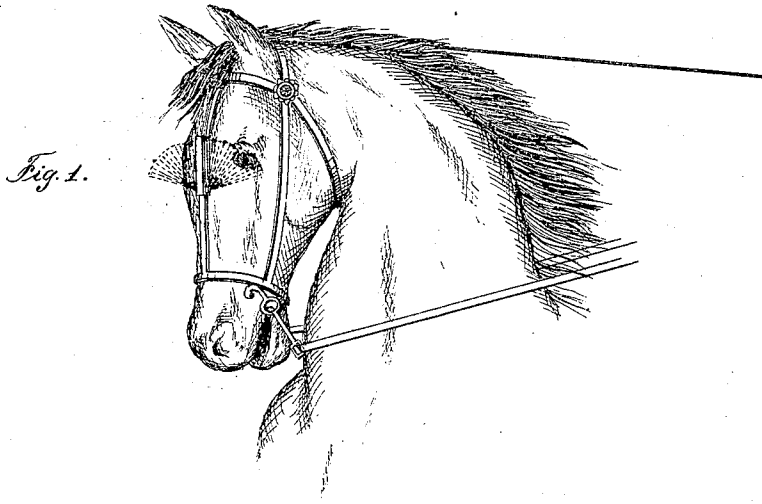


C. C. MOORE & R. BLAIR.

Improvement in Apparatus for Preventing Horses from Running Away.

No. 129,358.

Patented July 16, 1872.



WITNESSES:

Herrn. Lauter
P. E. Wilson

INVENTORS

Charles C Moore
Richard Blair
by A. M. Scott
their attorney

UNITED STATES PATENT OFFICE.

CHARLES C. MOORE AND RICHARD BLAIR, OF PHILADELPHIA, PA.

IMPROVEMENT IN APPARATUS FOR PREVENTING HORSES FROM RUNNING AWAY.

Specification forming part of Letters Patent No. 129,358, dated July 16, 1872.

Specification describing certain Improvements in Apparatus for Preventing Horses from Running Away, invented by CHARLES C. MOORE and RICHARD BLAIR, of Philadelphia, county of Philadelphia and State of Pennsylvania.

Our invention relates to the construction and operation of an apparatus to be fastened upon the face of a horse just between the eyes, which, when not in use, will not be materially in his way and not occupy much space, but which, when the horse is about to run away, can be suddenly or gradually opened out, like a lady's fan, before both his eyes, and will effectually blind him so that he will stop.

In the accompanying drawing, Figure 1 represents a perspective view of the head and neck of a horse with our apparatus fastened to a vertical strap attached to the bridle, and expanded or unfolded before the eyes of the horse. Fig. 2 represents a vertical longitudinal section made of the same in a plane parallel to the face of the horse, the material of the blind being folded together, as a lady's fan may be when not in use. Fig. 3 represents a like view of the same when the blind has been opened out. Fig. 4 shows an inner view of one of the jaws to which the two sides of the blind or screen are attached, and by means of which it is opened and closed.

B B is a plate of any suitable material, which may be attached to a strap, as shown in Fig. 1, and it may have head-pieces extending out perpendicularly from each end, as shown in Figs. 2 and 3; and a similar plate, without the head-pieces, may be fitted over and fastened upon such head-pieces and thus constitute a frame or box, within which the operative parts may act and be secured against exposure to the weather. This box is open upon each side, so as not to prevent the expansion of the blind, but the jaws E E close the sides of the box when it is folded up. Each of these jaws has two flanges extending inwardly from its lower end, one from its inner edge, the other from its outer edge, and each flange is pierced with

two holes. The upper holes in the flanges are for the pins H H, the lower ones for the pins I I. The pins H H are inserted into and fastened in the plate B B, and pass through the flanges, as shown in the drawing, and are the pivots upon which the jaws E E vibrate when opening out and closing the blind A. Upon and around these pivot-pins H H are mounted the coiled springs D D, which hold together the folds of the blind with an amount of force corresponding to their stiffness, location, &c. Now, in order to force the jaws E E outwardly and thus open out the screen A, the outer ends of the levers C C are pivoted upon the pins I I, which pass through them and the flanges before mentioned, but not through the plate B on the cap or cover, while their inner ends are pivoted together by a pin or hook, a, to which is attached the cord or strap F, which extends back to be within the control of the rider or driver, who may, by pulling it, cause the screen to expand either gradually or suddenly, at will, and then allow it to be folded up in a corresponding manner. The body of the blind or screen A may be made of any suitable material and in such a manner as to fold up like a lady's fan, or it may be made of some elastic substance, like India rubber and the compounds thereof, in which case it would simply contract and expand without folding upon itself.

The blind above described, operated by the mechanism above shown and described, is the best that we have invented.

What we claim as our invention is—

The fan A, jaws E E, levers C, and springs D D, all arranged within the metallic receptacle, as set forth, and operated by a single cord or strap, F, in the manner and for the purpose described.

CHARLES C. MOORE.
RICHARD BLAIR.

Witnesses:

LEON DUVAL,
ALEX. M. STOUT, Jr.