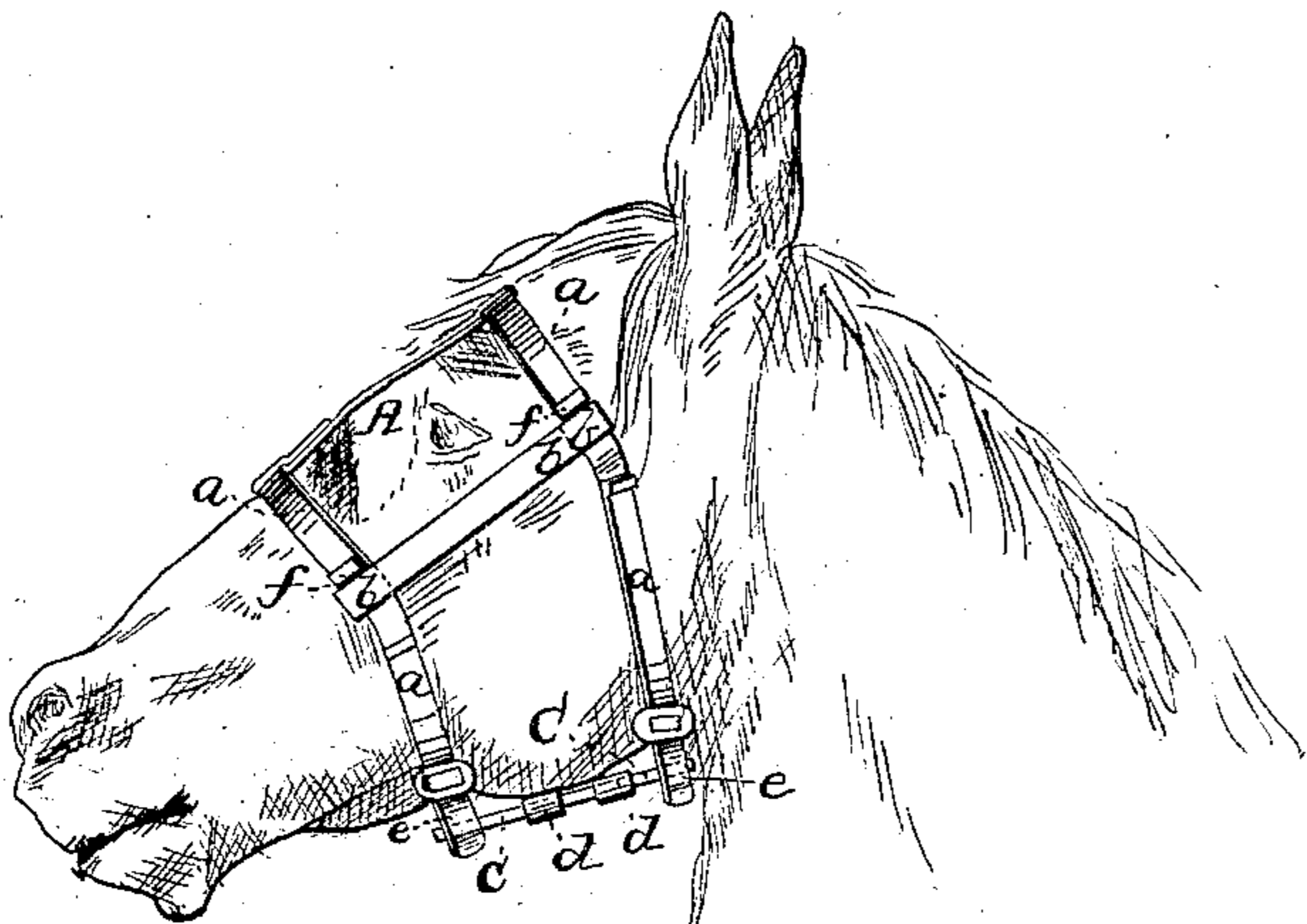
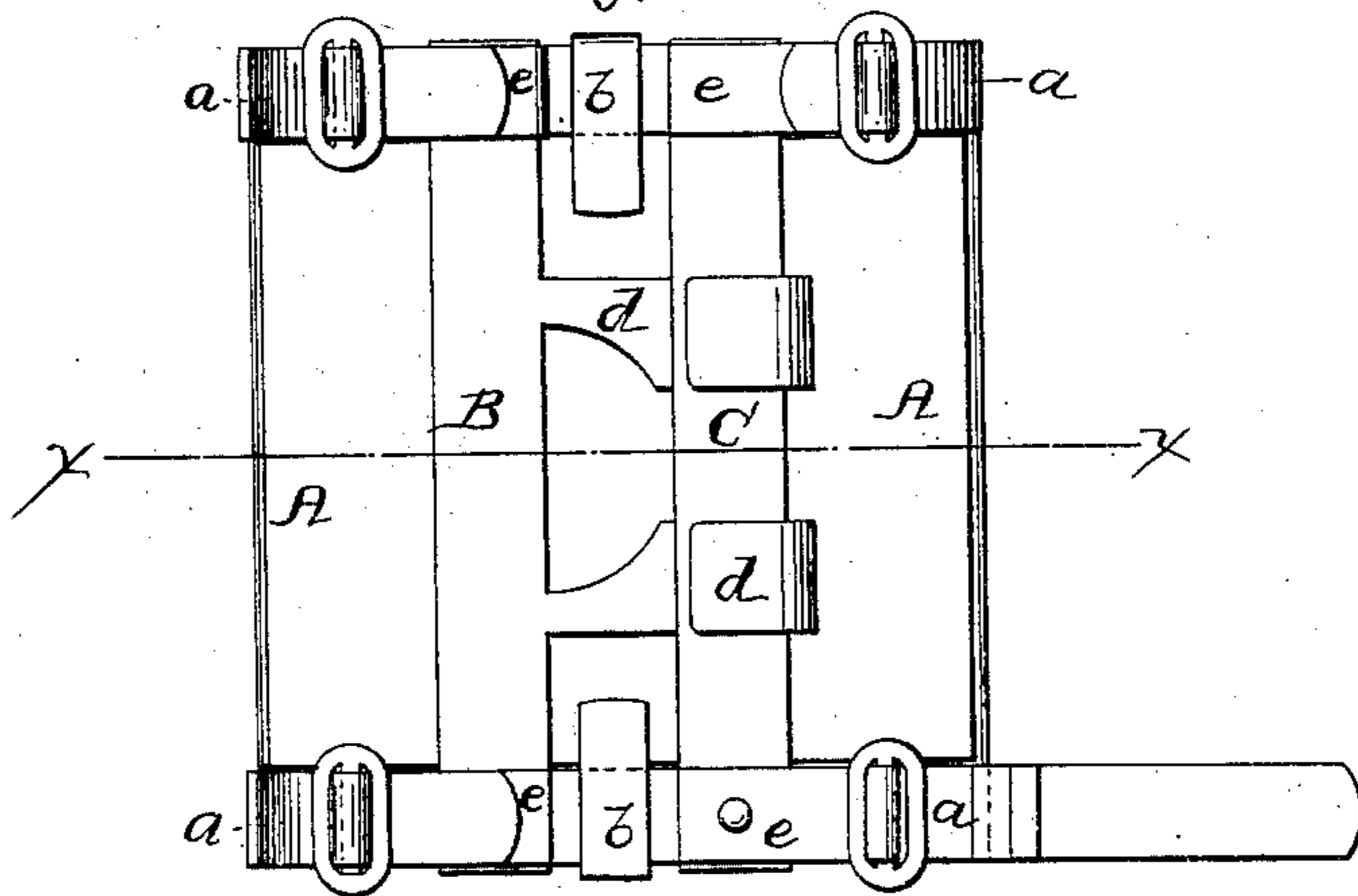


S. Ferris,
Horse and Cattle Blind,
No 69,199, Patented Sept. 24, 1867.

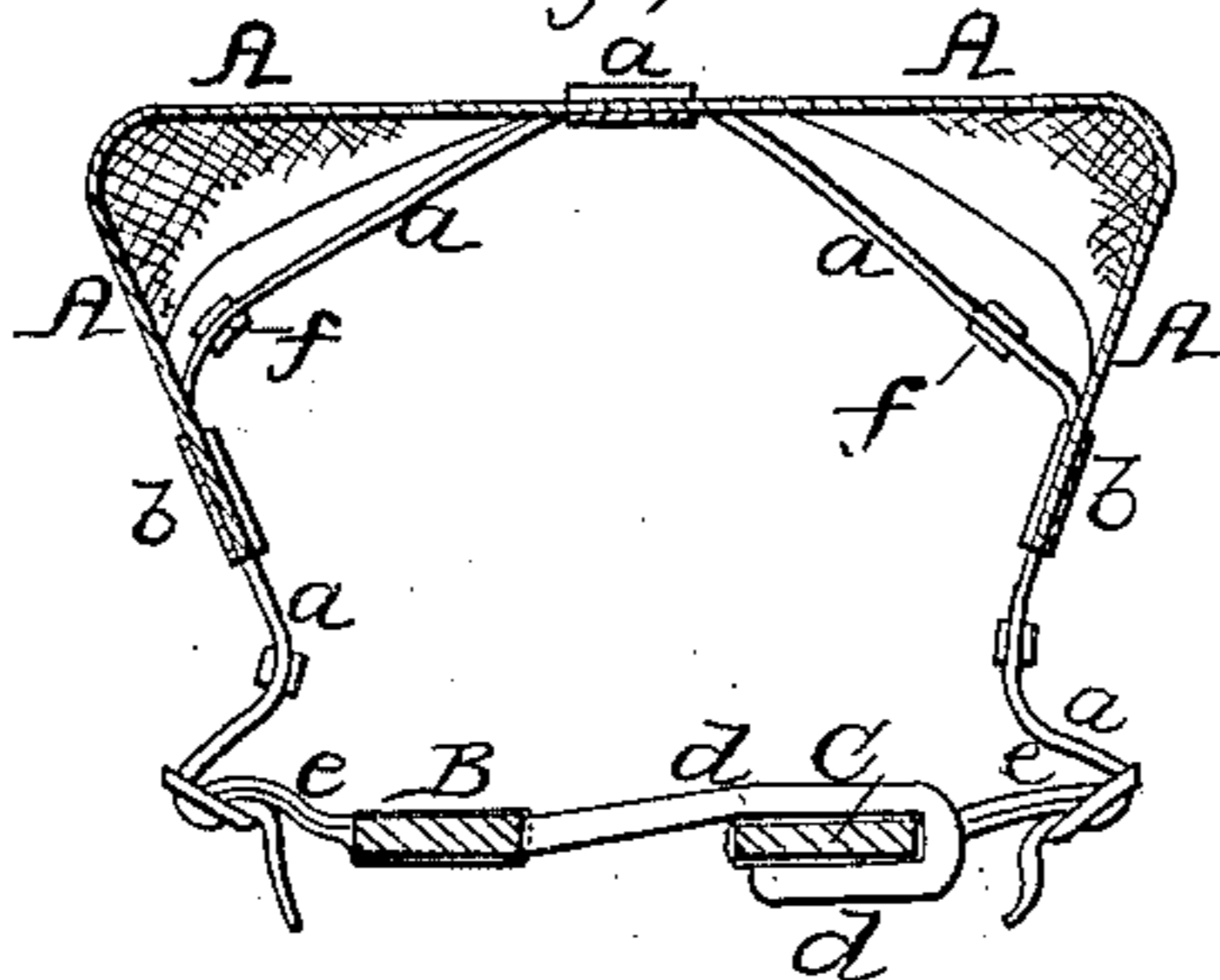
Fig; 1.



Fig; 2.



Fig; 3.



Witnesses;
Thos Truoché
Wm Truwin

Inventor;
S. Ferris
Per Munn & Co
Attorneys

United States Patent Office.

SMITH FERRIS, OF NEW YORK, N. Y.

Letters Patent No. 69,199, dated September 24, 1867.

IMPROVEMENT IN HORSE-BLINDER.

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, SMITH FERRIS, of the city, county, and State of New York, have invented a new and improved Fire-Escape Blinder for Horses and Cattle; 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 drawings, forming part of this specification, in which—

Figure 1 represents a side elevation of my improved blinder, showing it attached to a horse's head.

Figure 2 is a rear elevation of the fastening thereof; and

Figure 3 is a horizontal sectional view of the whole apparatus, the plane of sections being indicated by the line *x x*, fig. 2.

Similar letters of reference indicate corresponding parts.

This invention relates to a device which is to be used to blind horses and cattle, in case of fire, to facilitate their removal to a place of safety.

The invention consists in the use of a cap, which, when laid on the horse's head, covers the eyes, and thus permits that he be led out of danger in case of fire. This cap is so arranged that it can be placed at once on the animal's head, and be fastened thereto by means of hooks and straps, as will be hereinafter more fully described.

A represents a cap, made of leather or any other suitable material, and of such shape that it fits closely over the eyes of a horse or other animal. It is provided with India-rubber or other flexible straps *a a*, which pass through loops *b b*, arranged at the top and bottom of the cap, as shown. The ends of the straps *a a* may be buckled or otherwise attached to straps *e*, which are secured to metal bars B and C, of which the former is provided with hooks *d d*, which fit over the bar C, as shown in figs. 2 and 3. The rubber straps *a* are for the purpose of holding the cap firmly on the animal's head, and for allowing it to fit over heads of different sizes.

It will be noticed, from the drawing, that the upper and lower halves of this device are exactly alike, so that it does not make any difference which side is up; the cap will fit in either case. The quick application, in case of fire, of the blinder, is thus greatly facilitated, as it would require much valuable time to get the cap into the right position, if such were necessary.

Small projections *f f* are secured to the rubber straps *a*, inside of the leather loops *b*, so that when the straps *a* are drawn tight, the projections *f* also draw the cap A well against the animal's head, and serve to completely prevent the same from seeing the light.

I claim as new, and desire to secure by Letters Patent—

As a new article of manufacture, a fire-blinder for horses and cattle, constructed as described, consisting of the cap A, to be placed over the eyes and the space between the eyes, having the elastic strips *a a*, connected by loops *b b*, the metal bars B C, hooks *d d*, and strips *e*, substantially as described, for the purpose specified.

SMITH FERRIS.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.