

(No Model.)

H. ZEFFERTT.
HORSE HEAD PROTECTOR.

No. 378,858.

Patented Feb. 28, 1888.

fig. 1.

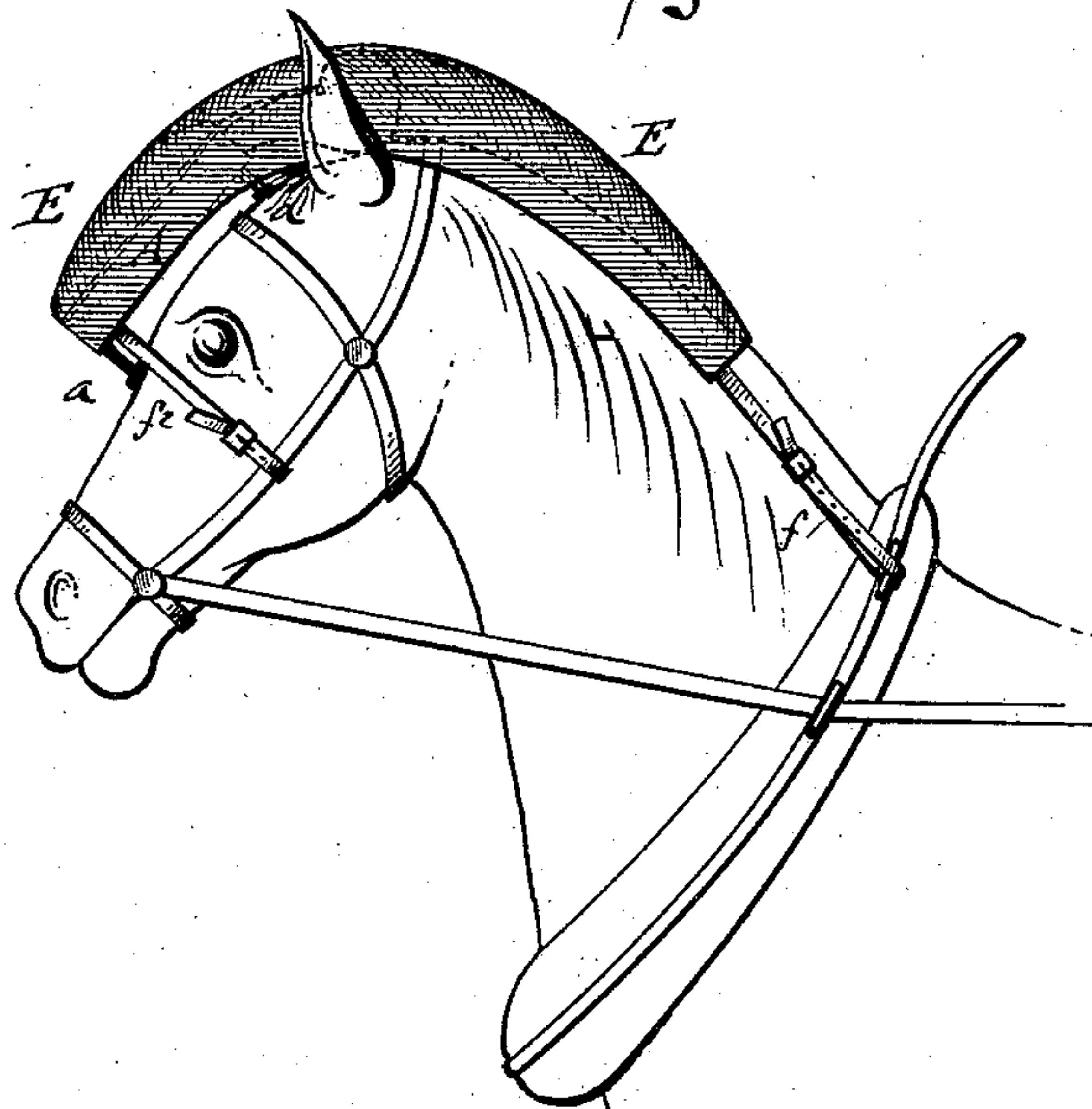


fig. 2.

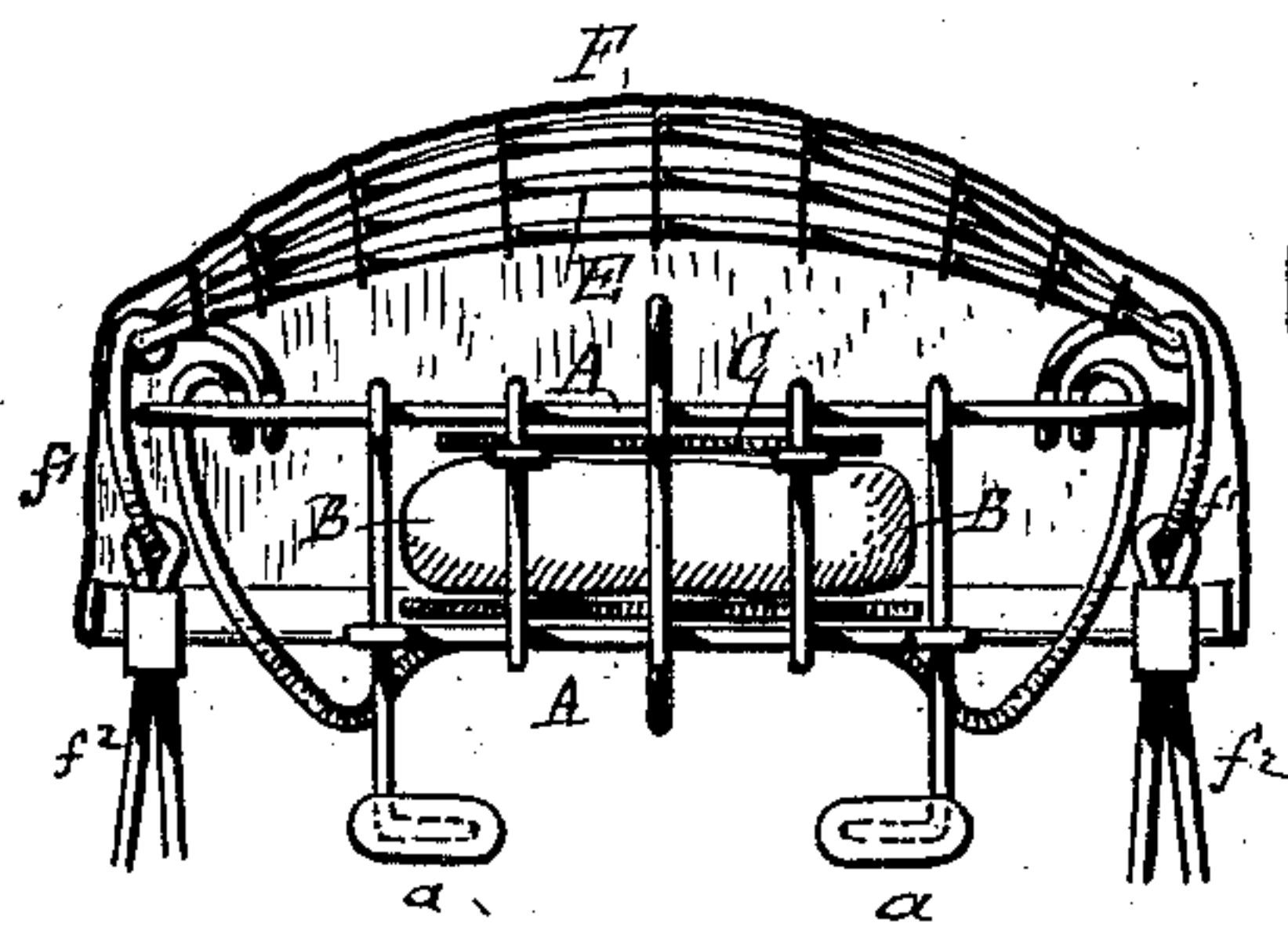


fig. 3.

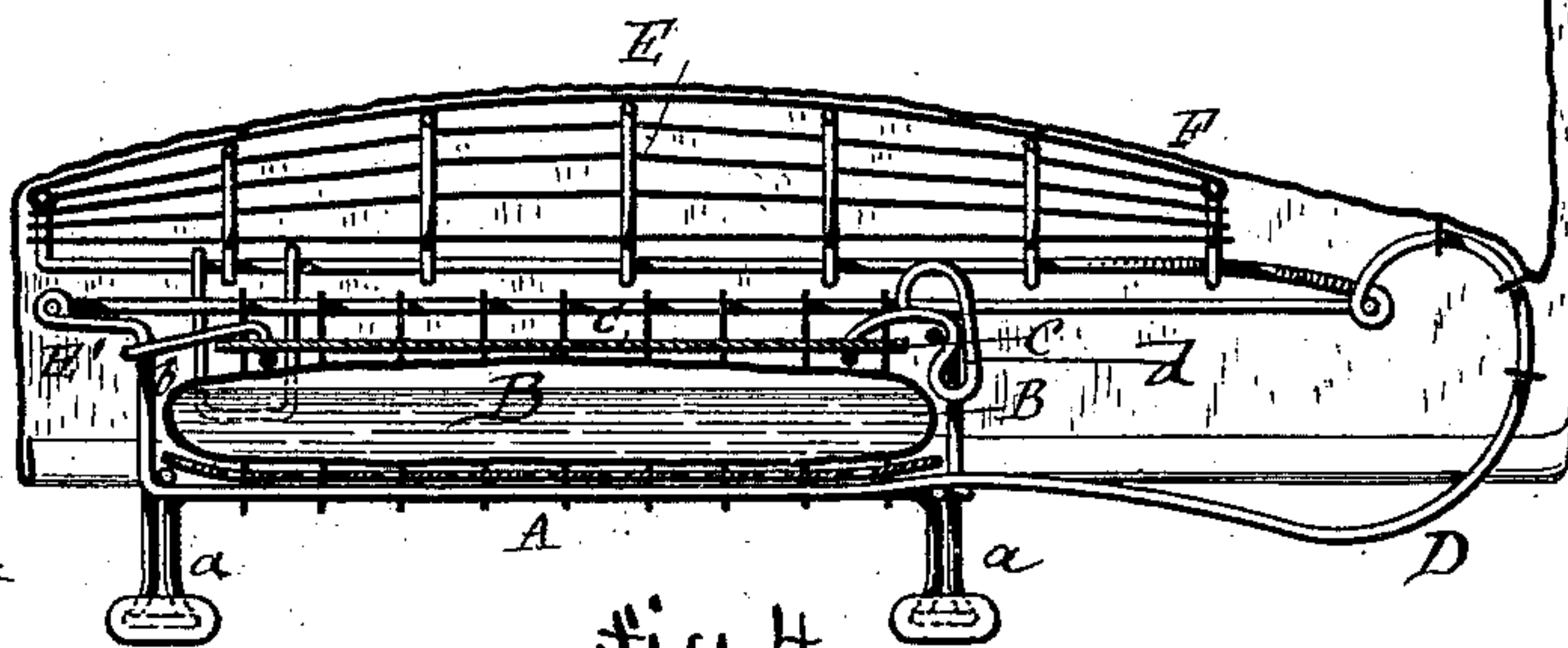
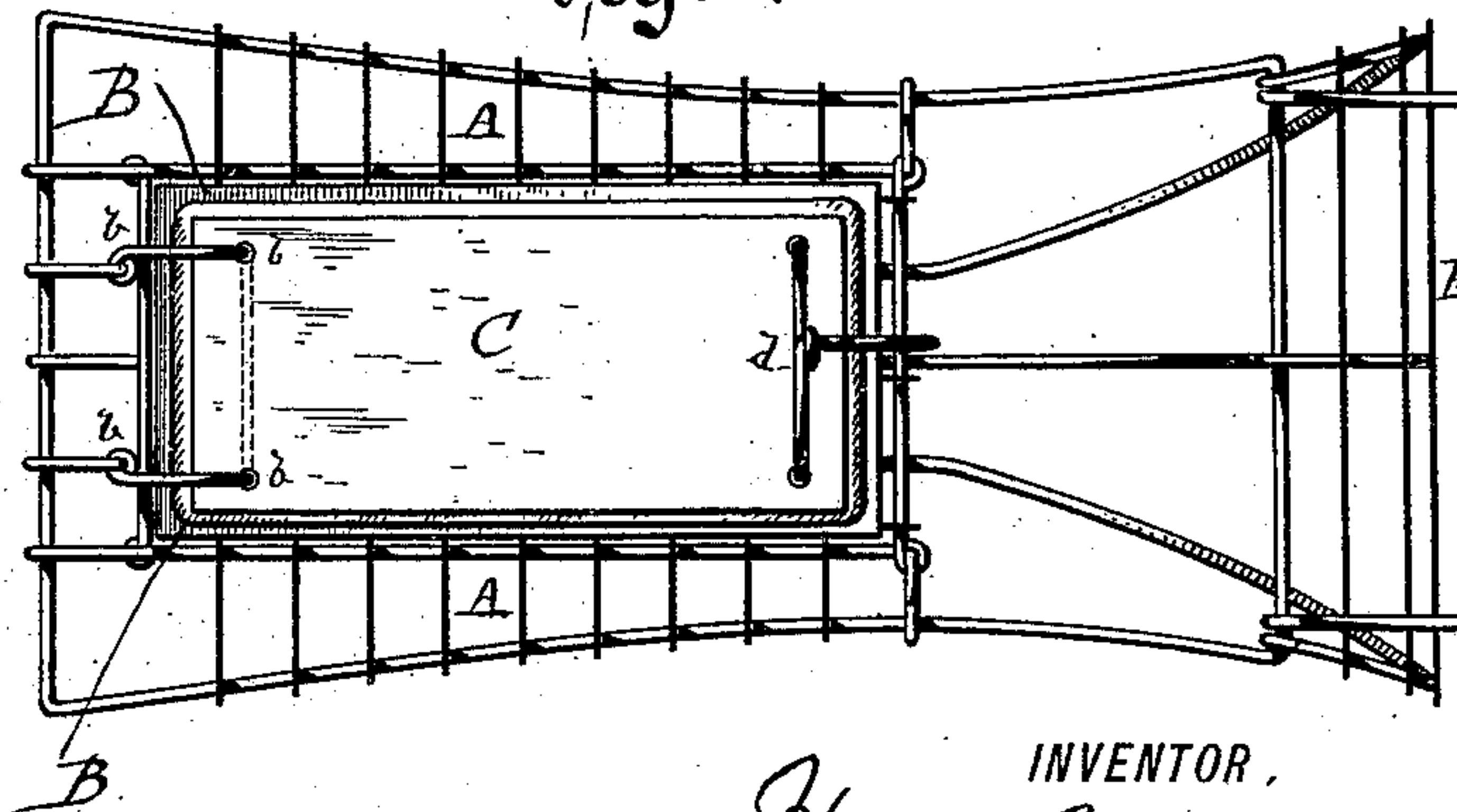


fig. 4.



WITNESSES:

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HARRY ZEFFERTT, OF NEW YORK, N. Y.

HORSE-HEAD PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 378,858, dated February 28, 1888.

Application filed January 3, 1888. Serial No. 259,547. (No model.)

To all whom it may concern:

Be it known that I, HARRY ZEFFERTT, of the city, county, and State of New York, have invented certain new and useful Improvements in Horse-Head Protectors, of which the following is a specification.

This invention relates to an improved device for protecting the heads and necks of horses against the heat of the sun and exerting a cooling influence on the heads, so as to enable the horses to better resist the injurious action of the heat in the summer season; and the invention consists of a head-protector for horses, which is preferably made of wire and composed of three main parts—a basket-shaped receptacle resting on the head and provided with a flexible cover for retaining a bag filled with water or broken ice, an arched frame that extends over the receptacle and is hinged to said frame, and a cover of textile fabric that extends over the wire frame and over the neck and is attached by straps to the head-gear and hame of the horse, so as to hold the protector in position on the head and neck.

In the accompanying drawings, Figure 1 represents a side elevation of my improved protecting device for the heads of horses, showing the same as applied for use on the head of a horse. Fig. 2 is an end view of the protecting device drawn on a larger scale; Fig. 3, a vertical longitudinal section; and Fig. 4 a top view of the same, showing the hinged frame in open position.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a basket-shaped receptacle, which is made of such a size as to extend on the forehead of a horse from the eyes to the ears of the same. The receptacle A is preferably made of open wire-work and provided with feet *a*, so that the body of the receptacle is supported at some distance from the forehead of the horse for permitting the air to circulate between the bottom of the receptacle and the forehead. The lower ends of the feet *a* are preferably incased with cloth, felt, or other suitable material, so that the same exert no injurious pressing action on the forehead.

In the receptacle A is placed a rubber or other tight bag, which is filled with cold water or small lumps of ice, said bag B being re-

tained in position in the receptacle A by a flexible cover, C, of suitable textile fabric, which is connected by wire eyes *b b* to the front end of the receptacle A, and retained in stretched position by means of a wire hook or other fastening device, *d*, as shown clearly in Figs. 2 and 3. The stretched cover C prevents the bag from shifting in the receptacle.

From the receptacle A extend in backward direction fixed arms D, to the curved ends of which is hinged an arched frame, E, which is made, like the receptacle, of bent wire, so as to permit the free circulation of air between the receptacle and the arched frame. The frame E rests on a laterally-extending flange, E', of the receptacle A, and can be readily swung into open position whenever it is desired to remove the cooling-bag B from the receptacle A and fill it with the cooling medium.

Over the arched frame E of the receptacle is placed a hood-shaped covering, F, of suitable textile fabric, which is fitted over the receptacle and extended backwardly between the ears over the neck of the horse and attached by straps *f* to the hame of the horse, while the front end of the arched frame E is attached by links *f'* and straps *f''* to the head-gear of the horse, as shown in Figs. 1 and 2.

The protecting device produces the free circulation of cool air on the forehead of the horse, so as to protect it against the injurious influence of the heat and enable it to work in the sun with less danger, the protecting device being especially designed for the use of draft-horses, which are exposed to the heat of the sun for a greater part or portion of the day.

By renewing the contents of the cooling-bag several times during the day an effective cooling action may be produced, and thereby the suffering of the horses in the hot summer months alleviated to a considerable extent and the same protected against being overcome by the heat.

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

1. The horse-head protector herein described, consisting of a receptacle, a cooling-bag in said receptacle, means for retaining the cooling-bag, and an arched frame and covering for said receptacle, substantially as set forth.

2. The horse-head protector, consisting of a basket-shaped receptacle adapted to rest on the forehead of the horse, a cooling-bag in said receptacle, a cover stretched over said cooling-bag, an arched frame hinged to said receptacle, a hood-shaped covering extending over the arched frame, and means for attaching the receptacle and covering to the head-gear and hame of the horse, substantially as set forth.

3. The combination herein described, of a receptacle provided with feet, and an exterior flange or seat, a cooling-bag in said receptacle, a cover stretched over the bag, an arched frame hinged to rear arms of the receptacle and resting on the flange of the same, a hood-shaped covering extending over the hinged frame and receptacle, and straps for connecting the receptacle and covering to the head-gear and hame, substantially as set forth.

4. The combination herein described, of a

wire receptacle provided with feet, a cooling-bag in said receptacle, a cover hinged to one end of the receptacle and attached by a fastening device to the opposite end of the receptacle, a flange extending around said receptacle, curved arms extending back of the receptacle, an arched frame hinged to said arms, a hood-shaped covering extending over the frame and receptacle and back over the neck of the horse, front straps attached to the arched frame, and back straps attached to the rear end of the covering, so as to attach the receptacle and covering, respectively, to the head-gear and hame, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HARRY ZEFFERTT.

Witnesses:

JOHN A. STRALEY,

SIDNEY MANN.