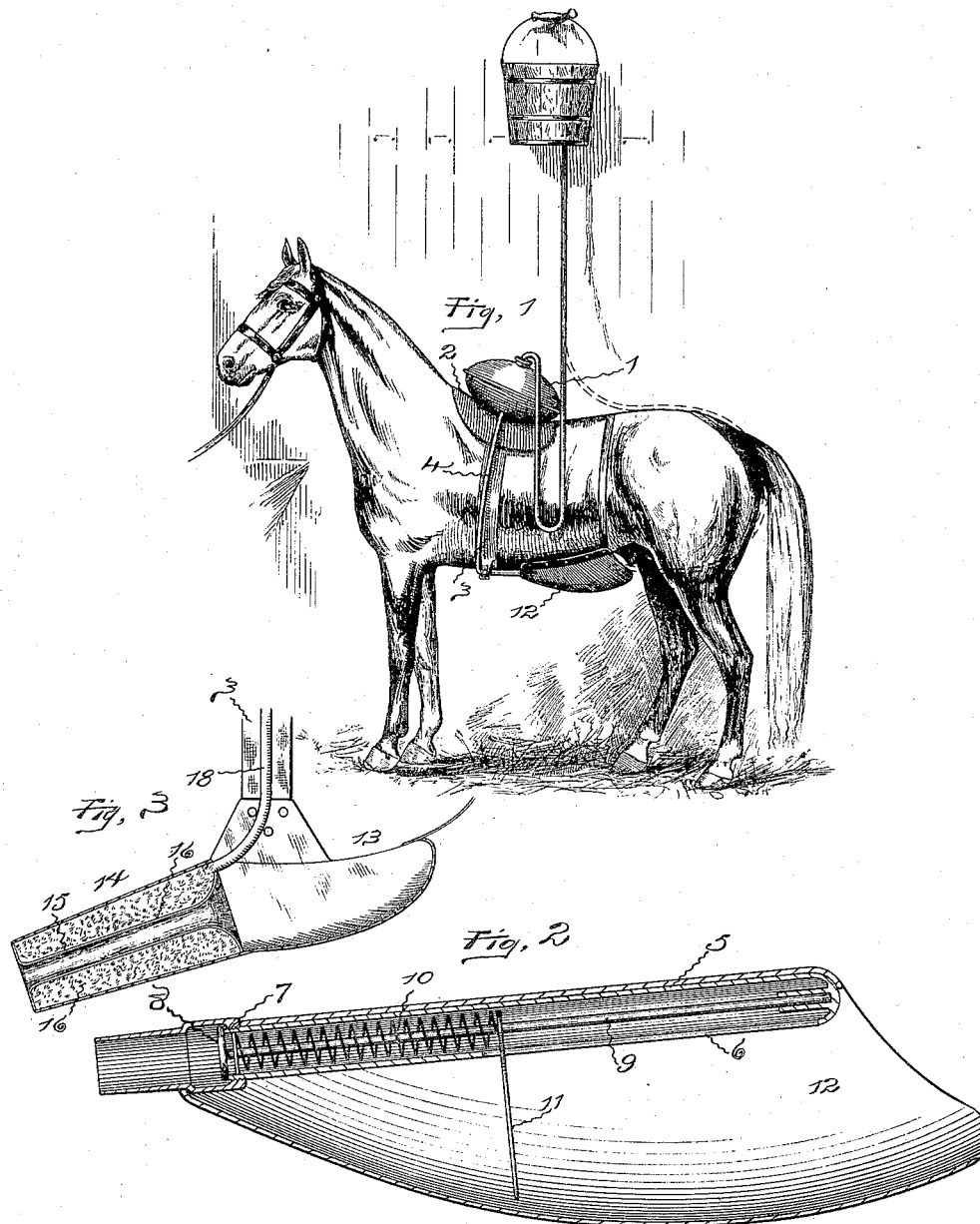


(No Model.)

W. BRYDEN.
VETERINARY APPLIANCE.

No. 492,268.

Patented Feb. 21, 1893.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAMSON BRYDEN, OF BOSTON, MASSACHUSETTS.

VETERINARY APPLIANCE.

SPECIFICATION forming part of Letters Patent No. 492,268, dated February 21, 1893.

Application filed November 22, 1892. Serial No. 452,798. (No model.)

To all whom it may concern:

Be it known that I, WILLIAMSON BRYDEN, a subject of the Queen of Great Britain, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Veterinary Appliances, of which the following is a full, clear, and exact specification.

The invention relates to the class of appliances provided to prevent male horses from impairing their strength, and the object is to produce a simple and cheap device of this class which can be readily applied to a horse so that it will easily operate automatically and accomplish the desired effect in a very humane manner.

Referring to the accompanying drawings: Figure 1 is a view illustrating the apparatus applied to a horse. Fig. 2 is an enlarged section of the shield and valve shown in Fig. 1, at the fountain outlet attached to the under side of the barrel of the horse; and Fig. 3 is a view of a modified form of shield.

In the views 1 indicates a fountain or reservoir for holding liquid, which may be attached to the back of a horse by means of a small saddle 2, or a circingle 3, and from this fountain a flexible tube leads to an outlet beneath the barrel of the horse. This outlet is provided with a valve, which in the form shown in Fig. 2 consists of a tube 5 having a slit 6 along one side and seat 7 at one end, and a disk 8 secured to a rod 9 supported loosely by the tube normally held against the seat by the pressure of liquid in the fountain assisted by a spring 10. This disk may be moved away from the seat to open the valve and permit the escape of liquid, by pressure on the button 11 attached to a finger that projects from the rod through the slit 6. A shield 12 of stiff leather or sheet metal surrounding the valve and button so they cannot become bent or broken, is held by means of a back strap to the underside of the barrel of the horse, and when any pressure is exerted upon the button 11 in the shield the valve is opened so that the liquid from the fountain will escape past the disk and flow out through the slit 6 into the shield upon whatever pushed the button.

The reservoir or fountain which can be a water-holding pail, bag, or hollow circingle may be placed upon the back of the horse and filled directly with liquid, or it may be filled from a pail hung to the wall or suspended from the ceiling of the stall above the horse. If desired a tube may lead directly from a suspended fountain to the outlet down the side of the horse, or, as shown in dotted outlines in Fig. 1, so that it will not be liable to get damaged, broken or displaced when the horse lies down, the tube from the reservoir may lead along the back of the horse and down between the hind legs to the valve, which of course if convenient may be opened by means of a current of electricity established by pressure upon the button in the shield in any common manner.

The shield 13 shown in Fig. 3 is formed of rubber, leather, or metal in a different shape from the one described, and has a sleeve 14 with a central tube or tunnel 15 that is lined with chamois, sponge or any absorbent material which will readily retain moisture for a number of hours. As shown, the tube is lined with chamois 16, between which and the outside is a layer of sponge 17. This may be filled with liquid or moistened so as to be always damp or wet by a feeding tube 18 leading from a suitable source of supply. The bottom of the tunnel 15 may or may not be closed as desired, to hold or permit the escape of liquid that permeates the somewhat water-tight chamois or is expressed from the sponge. Any pressure exerted upon this lining to the sleeve 14 expresses the water from the sponge so as to produce the desired effect without a large douche or a waste of liquid.

Valuable trotting stallions when highly fed and regularly trained to put them in condition to enable them to exert their utmost energy, are nerry, full of vitality, high strung and easily excited, and oftentimes when thus excited they impair their strength and destroy the vitality which makes them valuable for trotting or breeding purposes. By the use of this invention when in such a state of excitement the valve at the outlet of the fountain is automatically opened or moisture expressed by the action of the horse and the animal

douched with liquid in a simple, harmless and humane manner so as to effectually allay the excitement.

I claim as my invention—

5 1. An appliance consisting of an elevated reservoir for containing liquid, a receptacle for a male organ, a tube connecting the reservoir and receptacle, and an automatically operated valve to admit the liquid to the shield
10 and organ, substantially as specified.

2. An appliance consisting of a reservoir for containing liquid, adapted to be secured to the body of an animal, a receptacle for a male organ, a flexible tube connecting the reservoir

and receptacle, and a valve operated by the 15 action of the animal, substantially as specified.

3. An appliance consisting of a reservoir for containing liquid, a receptacle for a male organ, a tube connecting the reservoir and receptacle, a valve in said tube, a button in the 20 receptacle and connected with the valve, and a spring for thrusting the button toward the male organ, substantially as specified.

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Witnesses:

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