

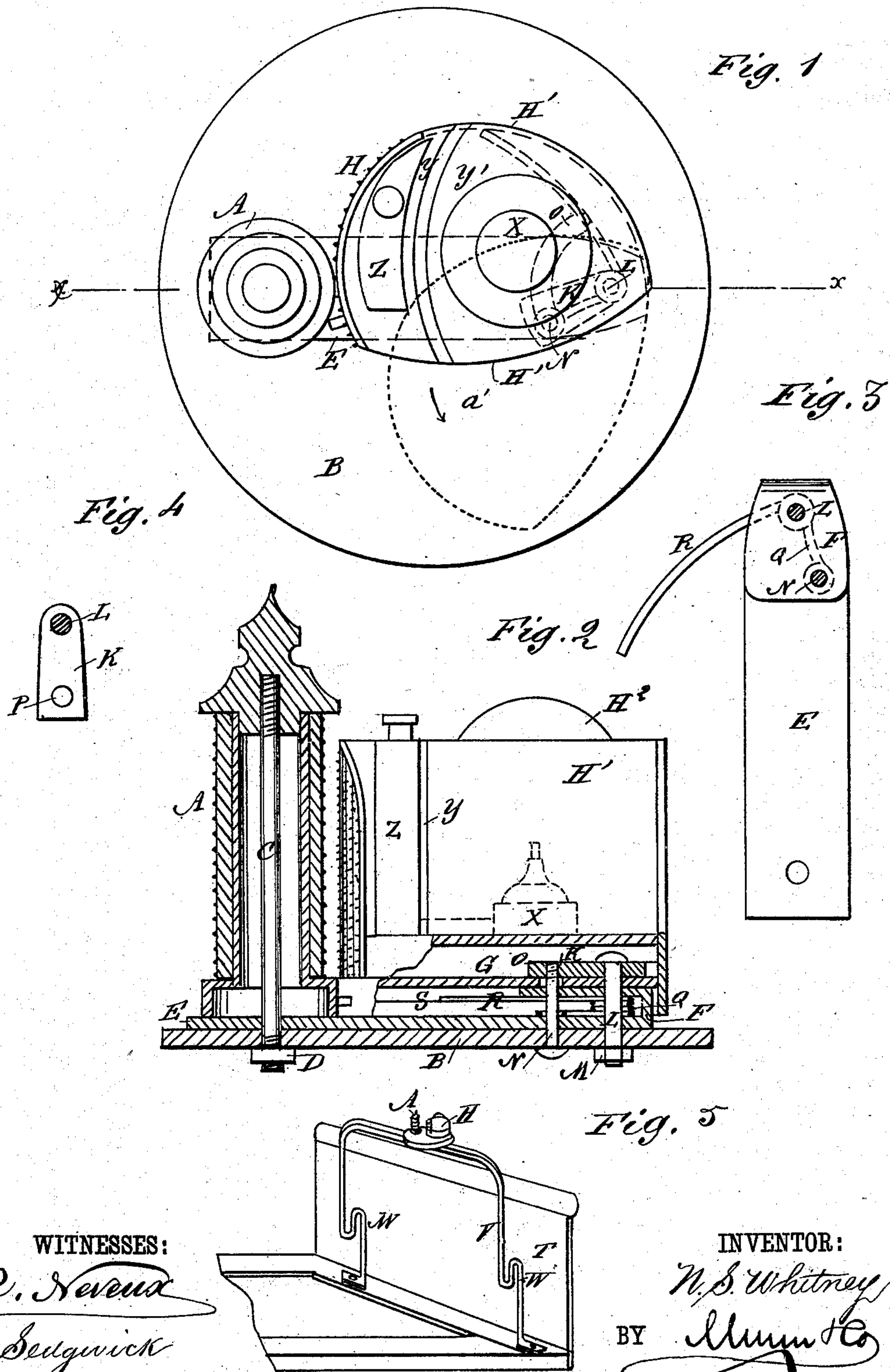
(Model.)

N. S. WHITNEY.

REIN HOLDER.

No. 251,665.

Patented Dec. 27, 1881.



WITNESSES:

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UNITED STATES PATENT OFFICE.

NATHAN S. WHITNEY, OF NORTH ALTON, ILLINOIS.

REIN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 251,665, dated December 27, 1881.

Application filed June 9, 1881. (Model.)

To all whom it may concern:

Be it known that I, NATHAN S. WHITNEY, of North Alton, in the county of Madison and State of Illinois, have invented certain useful
5 Improvements in Rein-Holders, of which the following is a specification.

The object of my invention is to provide a new and improved device to be attached to the dash-board of a vehicle or to a frame behind
10 or in front of the dash-board, or to any other suitable part of a vehicle, for the purpose of holding the reins.

In the accompanying drawings, Figure 1 is a plan view of my improved rein-holder. Fig.
15 2 is a longitudinal elevation of the same on the line *x x*, Fig. 1. Fig. 3 is a plan view of a longitudinal base-strip holding the spring for operating the swinging frame of my improved rein-holder. Fig. 4 is a plan view of a cam-
20 plate for holding the swinging frame to the base-plate. Fig. 5 is a perspective view of the spring-standard, to which my improved rein-holder is attached.

Similar letters of reference indicate corre-
25 sponding parts.

A cylinder, A, preferably made of metal, with a roughened or serrated outer surface, is attached vertically on a base-plate, B, by a screw, C, and a nut, D, as shown in Fig. 2. This
30 screw-bolt C also passes through an aperture or slot in one end of a strip of metal, E, resting on top of the base-plate B, and below the bottom of the roughened cylinder A. The opposite end of this strip E is bent over to
35 form a pocket or recess, F, the upper part of this pocket supporting one end of the bottom G of a casing, H, provided with curved sides, roughened or serrated on the outer surface. A cam-plate, K, is loosely held flat on
40 this bottom G of the casing H by a bolt or pin, L, passing through the bent end of the strip of metal E and through the base-plate B, on which it is secured by a nut, M. A pin or screw, N, passes through the base-plate A,
45 through the bent end of the metal strip E, through a segmental slot, O, in the bottom G of the casing H, and into a threaded aperture, P, in the outer end of the cam-plate K, as shown in Fig. 2. A spiral spring, Q, is coiled around
50 the pin L, and one end of this spring is attached to the screw N, whereas the other longer end, R, rests against a flange, S, of the bottom G of the casing H. The casing H may be provided with a pane of glass and with

a lantern, X, as shown. This lantern X, con- 55
tained in the casing H, may be provided with an oil-reservoir, Z, separated from the lamp by a partition, Y. The casing may be provided with glass sides H' on the front and rear, and with a ventilating-roof, H². The base-plate A 60
is attached to the top of the dash-board T, or, preferably, to a metal standard, V, attached to the vehicle, behind or in front of the dash-board and extending across the front of the vehicle, the legs of which standard are bent in 65
the middle like a letter S, to give this standard elasticity, as shown at W W, Fig. 5.

The operation is as follows: The casing H swings on the pin L, as indicated by dotted lines in Fig. 1. If the reins are to be held, the
70 casing H is first moved in the direction of the arrow *a'*, whereby the distance between the casing H and the cylinder A is increased sufficiently to admit the reins. If the casing H is then released, the spring R will press it in 75
the inverse direction of the arrow *a'*, whereby the reins will be pressed between the casing H and the cylinder A. If the horse pulls on the reins, the surfaces of the cylinder and the casing H will approach still nearer to each other 80
and the reins will be held still more firmly between them, the apparatus being so arranged that the casing swings toward the seat when the rein-holder is opened.

Having thus fully described my invention, I 85
claim as new and desire to secure by Letters Patent—

1. The combination, with the cylinder A, of the casing H, having slotted bottom G, cam-plate K, pins L and N, and spring Q, substan- 90
tially as shown and described.

2. In a rein-holder, the combination, with the base-plate B, of the casing H, the pins L and N, the cam-plate K, the spring Q, and the segmentally-slotted bottom G of the casing H, 95
substantially as herein shown and described, and for the purpose set forth.

3. The combination, with a rein-holder, of the springing supporting standard or frame V, having S-shaped curves in its legs, and fast- 100
ened to the vehicle adjoining the dash-board T, substantially as herein shown and described, and for the purpose set forth.

NATHAN STILSON WHITNEY.

Witnesses:

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