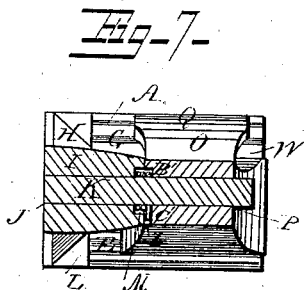
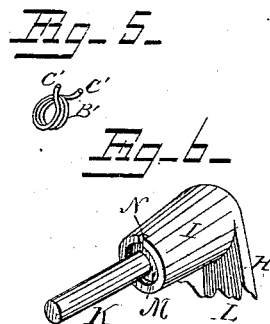
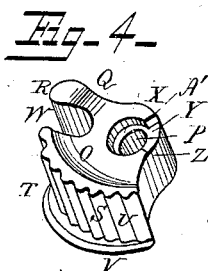
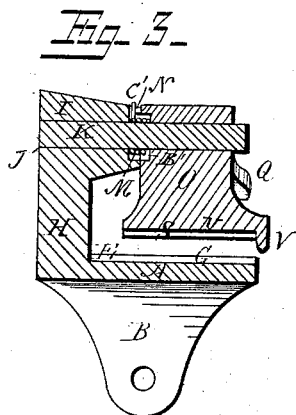
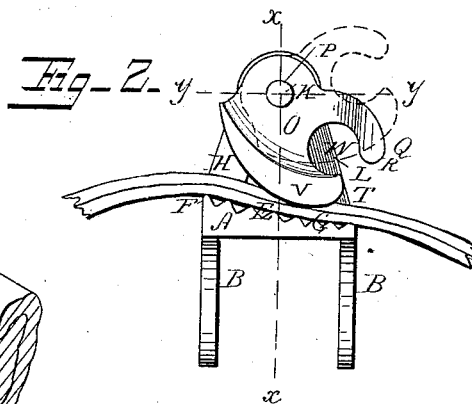
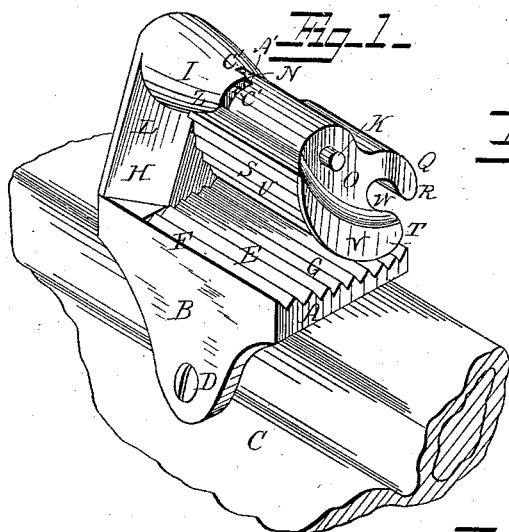


(No Model.)

G. LIVINGSTON.  
REIN HOLDER.

No. 267,093.

Patented Nov. 7, 1882.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

GEORGE LIVINGSTON, OF OSKALOOSA, IOWA.

## REIN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 267,093, dated November 7, 1882.

Application filed August 15, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE LIVINGSTON, of Oskaloosa, in the county of Mahaska and State of Iowa, have invented certain new and useful Improvements in Rein-Holders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to rein-holders, and has for its object to provide a simple, durable, inexpensive, and efficient device that will automatically return to its normal position.

In the drawings, Figure 1 is a perspective view of the device in position. Fig. 2 is a side view thereof; Fig. 3, a vertical sectional view on the line *x x*, Fig. 2; Fig. 4, a perspective detail view of the cam piece or lever; Fig. 5, a like view of the spring; Fig. 6, a like view of the spring-socket; and Fig. 7 a horizontal sectional view on the line *y y*, Fig. 2.

Referring to the drawings, A designates a base or bottom plate, which is provided at its front and rear edges with a downwardly-extending flange, B, these flanges being arranged to embrace the dash-board C and be secured thereto, preferably by screws D D, to retain the holder in position. The top surface or face, E, of plate A is inclined downwardly and rearwardly, and may be slightly concaved, as shown. By this construction the reins are held more securely from tension in front by the raised portion F. The face E is also provided with transverse parallel ridges or projections G, or is otherwise roughened, and has formed at one end a vertical side or flange, H, having at its top a horizontal extension, I, provided with a socket or perforation, J, for the lateral horizontal shaft or rod K. The edges LL of flange H are beveled to facilitate handling of the reins, and extension I is provided in its end, around shaft K, with an annular groove or socket, M, having an auxiliary groove or recess, N, at the top, the purpose of which will be presently described.

O designates a cam piece or lever, which is formed with a hub having perforation P for shaft K, and with a rearwardly-extending thumb-operating handle, Q, having a beveled or curved edge, R, to facilitate manipulation. The bottom surface, S, of lever O is convexly curved, preferably semi-oval, as shown, with

the greater curve at the rear end, T, where its surface is most in contact with the reins. The surface S is also provided with transverse ridges U, or is otherwise roughened, and is provided at its outer edge with a downwardly-extending side flange, V, gradually increasing in depth toward the rear end. This flange serves to retain the reins from lateral displacement when in the holder.

Between the rear edge of portion S and handle Q is formed a recess, W, to receive the end of the thumb for greater purchase in operating the handle. The inner face of cam O is formed with an annular groove or recess, X, around perforation P, having an auxiliary groove or open space, Y, forming shoulders Z and A'.

On shaft K and in grooves M and X is fitted a coiled spring, B', having an arm, C', at each end, one of which is received in groove N, while the other plays in groove Y. Thus, when the cam is turned up rearwardly to the position shown in dotted lines, Fig. 2, to receive the reins, the spring operates against shoulder Z to throw it back and clamp the reins between plate A and surface S when the hold on the cam is released.

The operation and advantages of my invention will be readily understood. The reins are securely clamped in place, but can be readily released by simply elevating the cam.

I claim as new—

1. The combination, with the base-plate A, having a roughened face, E, and vertical side flange, H, carrying shaft K, and provided with a stop-recess, N, and the coiled spring B', having an arm, C', at each end, of a cam-lever, O, having corresponding recess or groove Y, as set forth.

2. The combination of the base-plate A, having a rearwardly-inclined roughened face, E, and side flange, H, carrying shaft K, and provided with socket M and groove N, the coiled spring B', having an arm, C', at each end, and cam-lever O, having an operating-handle, Q, convexly-curved roughened surface S, recess X, and groove Y, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE LIVINGSTON.

Witnesses:

JOHN F. LACEY,  
HARRY S. PORTER.