

(No Model.)

C. R. FUREY.

BREAST STRAP SLIDE AND HOOK.

No. 264,685.

Patented Sept. 19, 1882.

fig 1.

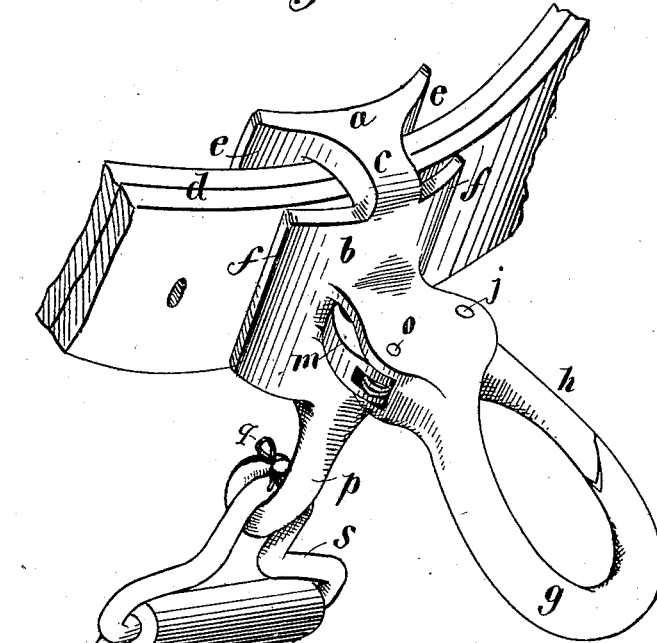
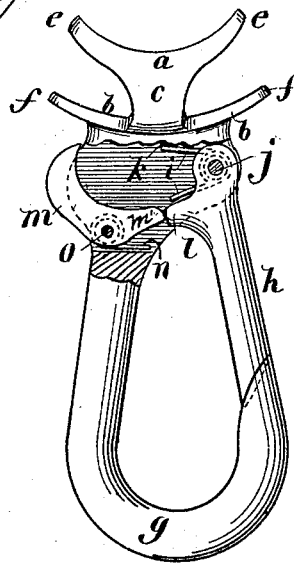


fig 2



WITNESSES:

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CYRUS R. FUREY, OF LOGANSFORT, INDIANA, ASSIGNOR TO HIMSELF AND
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BREAST-STRAP SLIDE AND HOOK.

SPECIFICATION forming part of Letters Patent No. 264,685, dated September 19, 1882.

Application filed July 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, CYRUS R. FUREY, of Logansport, Cass county, Indiana, have invented a new and Improved Breast-Strap Slide and Hook, of which the following is a full, clear, and exact description.

My invention relates to the device for connecting the pole-strap to the breast-strap; and it consists of a contrivance of the slide by which the connection is fitted on the breast-strap, calculated to render it more durable of itself and less wearing to the strap, also to retain it better in its proper position on the breast-strap when hanging by one hook, also to facilitate the connection of the martingale; and the invention also consists of improvements in the hook for the connection of the pole-strap to the slide, all as hereinafter fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a section of a breast-strap with my improved slide and pole-strap hook applied to it, and also showing the martingale attached. Fig. 2 is a side elevation of my improved breast-strap and pole-strap hook with a part broken out to show the latch contrivance of the hook.

The pole-strap slide consists of the inner plate, *a*, outer plate, *b*, and connecting-bars *c*, through which the breast-strap *d* is arranged, as in other slides, for allowing the requisite play of the slide on the strap. To prevent the plate *a* from chafing the strap by its corners, I widen the plate considerably more than the bars *c* and curve the side of it next to the strap, as shown at *e*, so as to prevent the contact of the corners of the edges of said plate with the strap, the curvatures being such that the strap will be protected from the corners of the plate in the most oblique strains the slide is subjected to in practice. I also widen the plate *b* outside of the strap, extending the sides *f* on the same curvature as the rest of the plate, the object of this extension being to cause the slide to cramp and bind on the strap by the unbalanced or overhanging parts attached when the breast-strap hangs by one end only, and thus

prevent the slide from falling from its place at the middle position of the strap.

To the hook *g* for the connection of the pole-strap to the breast-strap, and having a snap-latch, *h*, for securely retaining the pole-strap, I arrange the spring *i* in a simple and efficient way by coiling it around the pivot *j* in a notch in the end of the snap, lodging one end against the shoulder *k* and the other end against the arm *l*, which I provide on the latch *h* for the purpose, and also for a means of locking latch *h*, by means of curved latch *m* acting by gravitation, and also by means of a spring, *n*, coiled around the pivot *o* of said latch, and bearing on the bottom of the slot in which the latch is pivoted and on said latch, so as to throw up the short end *m* and maintain the contact of said end with the end of arm *l*, as shown in Fig. 2. It will be seen that by pressing latch *m* into the slot of the base of the hook in which it is pivoted the latch *h* will be released, and it will also be seen that said latch *m* is so far inclosed in the slot that no part of it is exposed, so as to catch on anything likely to injure it or be injured by it.

Another improvement of the strap-slide which I propose is the hook attachment *p*, which I make to it for the purpose of connecting the martingale *q* by its eye *s*, which is retained in place by a spring-key, *r*, passed through the hook after the eye of the martingale has been placed thereon.

I do not limit myself to the arrangement of springs herein shown by me, for coiled springs may be used instead, the one for the arm *l* being lodged in a socket in the upper side of said arm and in a socket in the upper wall of the slot, and the spring for latch *m* being similarly lodged in slots in said latch and the wall of the slot under the latch.

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

1. The herein-described breast-strap slide, consisting of the inner plate, *a*, having the inwardly-curved side extensions, *e*, the connecting-bars *c*, and the outer plate, *b*, having curved side extensions, *f*, and provided with the pole-strap hook *g* and a martingale-hook, *p*, as set forth.

2. The combination, with the outer plate, *b*, of a breast-strap slide, provided with the recessed hook *g*, of the latch *h*, provided with the projection *l* and pivoted in the recess of the said hook, the spring *i*, coiled around the pivot *j* of the said latch, the curved latch *m*, pivoted in the opposite side of the recess of the hook, and having an inwardly-projecting end, *m'*, abutting against the projection *l* of the latch *h*, and the spring *n*, coiled around the pivot *o* of the said latch, substantially as and for the purpose set forth.

CYRUS R. FUREY.

Witnesses:

G. A. YOKST,

Q. A. MYERS.