

(No Model.)

E. W. LANGER & R. PETERSON.
HOLDBACK FOR VEHICLES.

No. 485,550.

Patented Nov. 1, 1892.

Fig. 1.

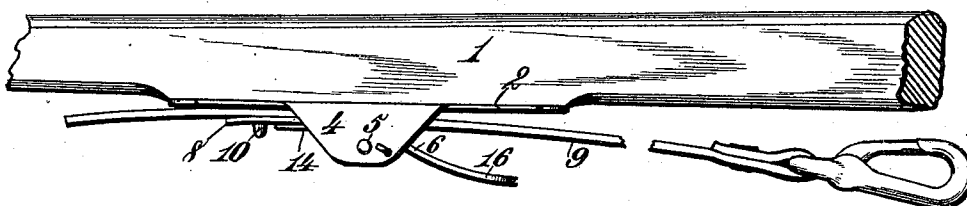


Fig. 2.

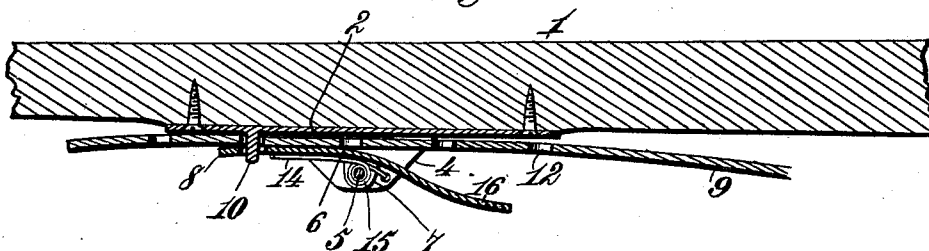


Fig. 3.

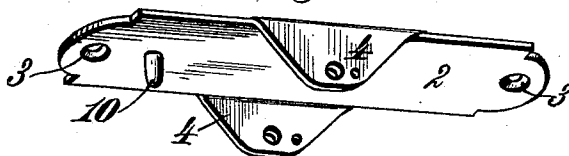


Fig. 4.

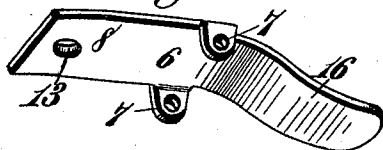
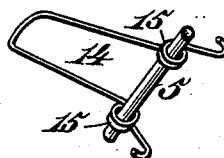


Fig. 5.



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UNITED STATES PATENT OFFICE.

EDWARD W. LANGER AND ROBERT PETERSON, OF DIAMOND BLUFF,
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HOLDBACK FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 485,550, dated November 1, 1892.

Application filed April 26, 1892. Serial No. 430,699. (No model.)

To all whom it may concern:

Be it known that we, EDWARD W. LANGER and ROBERT PETERSON, citizens of the United States, residing at Diamond Bluff, in the county of Pierce and State of Wisconsin, have invented new and useful Improvements in Holdback Attachments for Thills, of which the following is a specification.

This invention has for its object to provide a novel, simple, efficient, and economical holdback attachment for thills, which is susceptible of quick and convenient operation to engage or release the breech-strap and when engaged therewith effectually prevents disengagement of the strap until the latter is intentionally released from the locking-pin constituting a part of the attachment.

To accomplish this object our invention consists in a holdback attachment for thills, composed of a base-plate having screw-holes for screwing it to a thill, a pendent pin and lateral ears provided with a pivot-pin, a jaw or lever having a pin-hole at one end, a handle portion at the opposite end and provided intermediate at its ends with pendent ears mounted on the pivot-pin, and a spring carried by the pivot-pin and acting upon the jaw or lever to press its pin-hole in engagement with the pin on the base-plate for holding a breeching-strap in engagement with such pin.

The invention is illustrated by the accompanying drawings, in which—

Figure 1 is a side elevation showing a portion of a thill with my improved holdback attachment applied thereto. Fig. 2 is a longitudinal central sectional view of the same. Fig. 3 is a detail perspective view of the base-plate. Fig. 4 is a detail perspective view of the oscillating jaw or lever, and Fig. 5 is a detail perspective view of the jaw or lever pivot and the spring for holding the jaw or lever in engagement with the pin on the base-plate.

In order to enable those skilled in the art to make and use our invention, we will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a thill, and 2 the base-plate, of the holdback attachment. This base-plate is provided at each extremity with a screw-hole 3 for the passage of a screw by which to rigidly secure the attachment to the

thill. The base plate is formed centrally between its extremities with a pair of pendent ears 4, through which extends a transverse pivot-pin 5, and the oscillating jaw or lever 6 is also formed centrally between its extremities with a pair of pendent ears 7, located between the ears 4 of the base-plate and mounted on the pivot-pin 5. By this construction of the jaw or lever we are enabled to mount it on the pivot-pin and at the same time place the clamping portion 8 of the jaw or lever in close proximity to and parallel with the base-plate of the attachment in such manner that a holdback-strap 9 can be passed lengthwise between the base-plate and the jaw or lever, as in Fig. 1, and the clamping portion 8 of the jaw or lever will lie squarely against the strap. The front portion of the base-plate 2 is provided with an attached pendent pin 10, adapted to pass through any one of a row of perforations 12 in the holdback-strap 9.

The forward extremity of the clamping portion 8 of the oscillating jaw or lever 6 is provided with a pin-hole 13 for receiving the pin 10 in such manner that after the holdback-strap 9 is engaged with the pin the latter can be caused to pass through a pin-hole in the clamping portion 8 of the jaw or lever, so that the latter retains the holdback-strap in positive engagement with the pin. The pivot-pin 5 of the jaw or lever is provided with a yoke or bow shaped spring 14, having its extremities turned round the pivot-pin in the form of spiral coils 15 and engaged with the ears 4, so that the yoke or bow shaped portion 14 of the spring will constantly bear against the clamping portion 8 of the jaw or lever and force it toward the base-plate for the purpose of effectually retaining the holdback-strap in engagement with the pin.

The particular construction of the jaw or lever with its pendent ears 7 and a base-plate having the pendent ears 4 and the pivot-pin 5 are features which render this attachment useful for retaining the breeching-strap, in that the main clamping portion of the jaw or lever is arranged relatively to the base-plate to provide for the passage of the strap and at the same time press the latter against the base-plate for holding it in engagement with the pin. The handle portion 16 of the

jaw or lever is curved downward away from the base-plate, and this handle portion constitutes one extremity of the jaw or lever, whereby the latter can be oscillated on the
5 pivot-pin, which is located about centrally between the extremities of the jaw or lever.

The holdback attachment constructed as described is simple, efficient, and economical, and by the oscillating character of the jaw or
10 lever it is possible to quickly and conveniently introduce the breeching-strap and hold it in positive engagement with the pin on the base-plate, while a slight pressure on the handle portion 16 of the jaw or lever will in-
15 stantly free its pin-hole from the pin and thereby enable the breeching-strap to be disengaged from such pin and removed from the holdback attachment.

Having thus described our invention, what
20 we claim is—

A holdback attachment for thills, composed

of a base-plate having screw-holes 3 for screwing it to a thill, a pendent pin 10, and lateral ears 4, provided with a pivot-pin 5, a jaw or lever 6, having a pin-hole 13 at one
25 end, a handle portion 16 at the opposite end and provided intermediate its ends with pendent ears 7, mounted on the pivot-pin, and a spring 14, carried by the pivot-pin and acting upon the jaw or lever to press its pin-
30 hole in engagement with the pin on the base-plate for holding a breeching-strap in engagement with such pin, substantially as described.

In testimony whereof we have hereunto set
35 our hands in presence of two subscribing witnesses.

EDWARD W. LANGER.

ROBERT PETERSON.

Witnesses:

E. B. OWEN,

W. B. KLINE.