(No Model.)

M. L. SCHOCH.

LINE OR REIN GRIP.

No. 458,344. Patented Aug. 25, 1891.

Fig 1

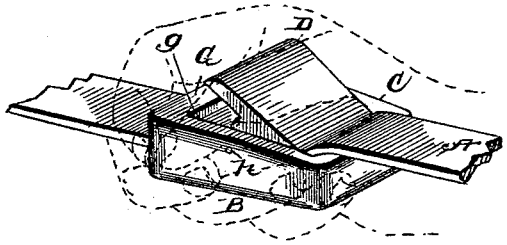


Fig 2

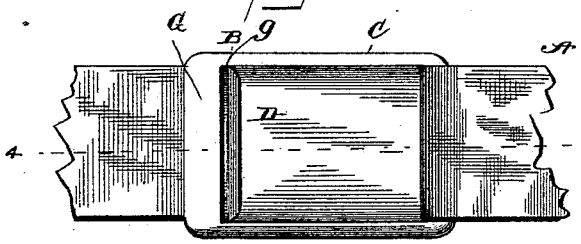


Fig 3

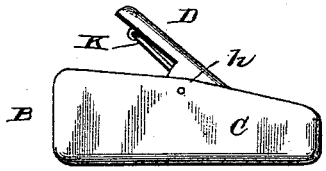
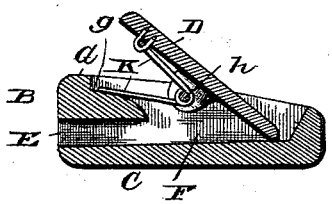


Fig 4



Witnesses
John Shirie
Thos. J. Littell,

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By his Attorney
J. R. Littell

UNITED STATES PATENT OFFICE.

MARTIN L. SCHOCH, OF NEW BERLIN, PENNSYLVANIA.

LINE OR REIN GRIP.

SPECIFICATION forming part of Letters Patent No. 458,344, dated August 25, 1891.

Application filed December 27, 1890. Serial No. 375,987. (No model.)

To all whom it may concern:

Be it known that I, MARTIN L. SCHOCH, a citizen of the United States, residing at New Berlin, in the county of Union and State of Pennsylvania, have invented certain new and useful Improvements in Line or Rein Grips; 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.

This invention relates to an improved rein-button which can be adjusted upon the reins while the same are in use for driving, said adjustment being either in a forward or rearward direction.

The object of my invention is to construct a button of the character described which will be very simple, cheap, easily applied, and thoroughly efficient; and with these objects in view my invention consists in the peculiar construction of the various parts and their combination or arrangement, as will be more fully hereinafter described, and designated in the appended claim.

In the drawings forming a part of this specification, Figure 1 is a perspective view showing the manner in which my improved button is applied and used. Fig. 2 is a top plan view of the button with the rein passed therethrough. Fig. 3 is a side view of the same. Fig. 4 is a vertical longitudinal section taken on the plane of the line 4 4 of Fig. 2.

Referring to the drawings, A indicates the rein, and B my improved button, which is adjustable thereon. This button may be formed of wood, metal, or other suitable material, and consists, essentially, of a body portion C, through which the rein passes, and a binding-tongue D, which bears upon the rein and holds it within the body portion. This body portion C is essentially rectangular in shape and made tapering in vertical cross-section, the broad end being arranged foremost, and in said forward end is produced a slot E, said slot communicating with a longitudinal recess F, formed in the body portion B. The bottom of the slot E is a continuation of the bottom of the recess F. The inner face of the rear side of the body portion is inclined downwardly and forwardly, thus making an obtuse angle with the bottom of the recess, which also slopes downwardly toward the slot E. The sides of the recess are perpendicular, and at its forward end the recess is terminated by the cross-bar G, integral with the sides of the body and which forms the top of the slot E. A binding-tongue D is pivoted within the recess upon the shaft *h*, passing through the perpendicular sides of the same, the rear end of said tongue being adapted to rest normally in the obtuse angle formed by the rear side and bottom of recess, and to hold the tongue in such position I employ a spring K, said spring bearing upon the under side of the forward end of tongue and the upper side of the cross-bar G, said bar having a depressed or beveled portion *g*, adapted to receive the spring and forward end of the tongue. The spring K may be of any preferred form, that in the drawings being wound upon the shaft *h*, the free ends of the said spring bearing upon the tongue and cross-bar, as shown.

In operation the rear end of the rein is inserted in the slot E at the forward end of the body portion and passed into the recessed portion F, and the tongue D being raised by pressing the forward end down the rear end of the rein will be guided out of the recess by the inclined rear side of the same. The button is then slid along upon the rein until the desired point is reached, when the tongue is released, and it bears upon the rein at the obtuse angle in the rear of the recess, thus securely locking said button upon the rein. In driving the button is held in the palm of the hand, the rein passing through the fingers and the thumb resting over the tongue D, by which the button may be adjusted at pleasure. In order to slide the button back the tongue is pressed by the thumb and the body pulled back by the fingers until the desired point is reached, when the tongue is released and the button bound upon the rein. In sliding backward both buttons may be slid simultaneously. In sliding the button forward the tongue is raised and the line is pulled rearward through the button by the other hand.

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

The rein-button herein shown and described, consisting of a wedge-shaped body slotted at its broader end and formed with a recess which communicates with the said slot, a tongue pivoted in the said recess, and a spring adapted to rest between the solid part of the broad end and the adjacent end of said tongue, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

MARTIN L. SCHOCH.

Witnesses:
J. D. WINTER,
J. M. SCHOCH.