No. 713,929. Patented Nov. 18, 1902.

D. G. WEBSTER.

COMBINED REIN HOLDER AND GUIDE.

(Application filed Mar. 15, 1900.)

(No Model.)

Fig. 1

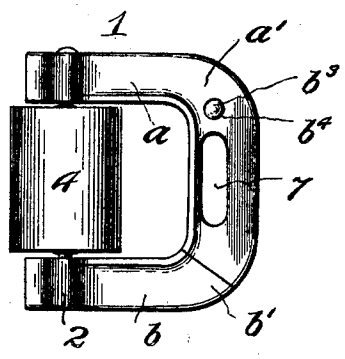


Fig. 2

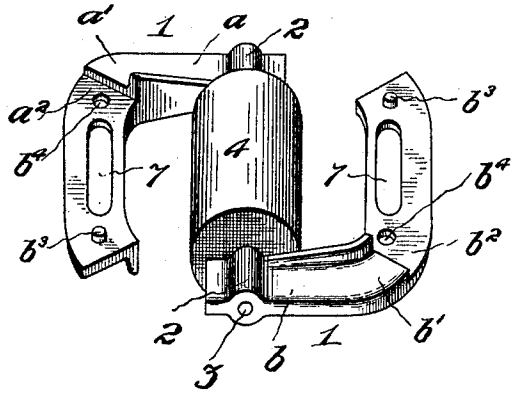
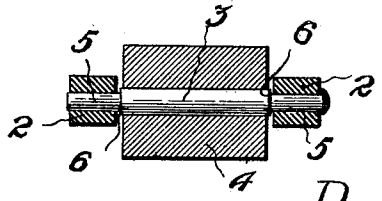


Fig. 3



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID G. WEBSTER, OF CAPRON, ILLINOIS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO HIMSELF, LEWIS G. ADAMS, AND SAMUEL J. HALL, OF WATERLOO, IOWA, AND T. M. MATHIAS, A COPARTNERSHIP.

COMBINED REIN HOLDER AND GUIDE.

SPECIFICATION forming part of Letters Patent No. 713,929, dated November 18, 1902.

Application filed March 15, 1900. Serial No. 8,834. (No model.)

To all whom it may concern:

Be it known that I, DAVID G. WEBSTER, a citizen of the United States, residing at Capron, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in Rein-Guides; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to a rein-guide.

The object of the invention is to improve the construction shown in Patent No. 579,247, issued to me March 23, 1897, by omitting the spring and providing a device which will be as efficient, if not more so, in operation and less expensive to manufacture.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a plan view of my improved rein-guide, showing the parts closed. Fig. 2 is a detail perspective view showing the parts open, and Fig. 3 is a longitudinal sectional view taken through the axes of the roller and the ends of the frame of the device.

In the drawings the same reference characters indicate the same parts of the invention.

1 denotes the frame, which consists of two angular pieces a and b, the portions a' and b' of which are recessed on opposite sides, as shown at a^2 and b^2, to form a flush joint. These pieces are formed with coacting pins and pin-seats b^3 and b^4, respectively, which serve to prevent the spreading of the pieces when the members b' and b^2 are brought together. The forward ends of the pieces are formed with bearings 2, which receive the axle 3 of a roller 4. This axle has reduced outer ends 5, which form shoulders 6, which serve to prevent the forward ends of the pieces binding the roller.

7 denotes registering strap-apertures formed in the ends a' and b' and through which a strap is adapted to pass to prevent the parts spreading.

The device as constructed may be placed upon the market at small cost and performs its function in an efficient manner and has no parts to get out of order.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A spreader and guide for a line or strap, consisting of side bars or members pivoted together, and each side bar or member having the extremity of its non-pivoted end provided with a slotted extension projecting inwardly at an angle therefrom, the said pivot connection between the bars adapting one bar to swing toward or from the other, the swinging of one bar toward the other causing the extensions to approach each other and the respective slots to register, the said registering slots adapted to receive a strap or other securing means therethrough for the purpose of releasably holding the extensions together, and a roller mounted between the side bars, substantially as set forth.

2. A spreader and guide for a line or strap, consisting of side bars or members pivoted together, and each side bar or member having the extremity of its non-pivoted end provided with an extension projecting inwardly at an angle therefrom, the said pivot connection between the bars adapting one bar to be swung toward or from the other, the swinging of one bar toward the other causing the extensions to meet and overlap each other, and the swinging of one bar away from the other causing the extensions to separate, and means constructed to releasably engage the extensions, when the said extensions are brought together, in order to hold said extensions in overlapping engagement, and a roller located at the pivotal point of the bars.

3. A spreader and guide for a line or strap, consisting of side bars or members pivoted together, and each side bar or member having the extremity of its non-pivoted end provided with a slotted extension projecting inwardly

at an angle therefrom, the said pivot connection between the bars adapting one bar to swing toward or from the other, the swinging of one bar toward the other causing the extensions to meet and overlap each other and the respective slots to register, the said registering slots adapted to receive a strap or other securing means therethrough for the purpose of releasably holding the extensions together, and a roller mounted between the side bars.

4. A spreader and guide for a line or strap consisting of side bars or members pivoted together, and each side bar or member having the extremity of its non-pivoted end provided with a slotted extension projecting inwardly at an angle therefrom, the said pivot connection between the bars adapting one bar to swing toward or from the other, the swinging of one bar toward the other causing the extensions to meet and overlap each other and the respective slots to register, the said registering slots adapted to receive a strap or other securing means therethrough for the purpose of releasably holding the extensions together, and a roller located at the pivotal point of the bars.

5. In a rein-guide, the combination with two pieces provided with bearings, of a roller having an axle journaled in said bearings, said pieces being provided with a coacting pin and pin-seat and with registering strap-apertures, substantially as set forth.

6. In a rein-guide, the combination with two pieces provided with a coacting pin and pin-seat and with registering strap-apertures, of a roller journaled in the opposite ends of said pieces, substantially as set forth.

7. A spreader and guide for a line or strap consisting of side bars or members, one of said bars provided with a projecting axial pin or stud, and the other of said bars pivotally mounted on the axial pin or stud, and each of said bars or members having its non-pivoted end provided with a slotted extension projecting inwardly at an angle therefrom, the said pivot connection between the bars adapting one bar to be swung toward or from the other, the swinging of one bar toward the other causing the extensions to meet and overlap each other and the respective slots to register, the said registering slots adapted to receive a strap or other securing means therethrough for the purpose of releasably holding the extensions together, and a roller mounted on the axial pin or stud.

8. A spreader and guide for a line or strap consisting of the plates a^2 and b^2 provided with apertures 7 through their flattened portions for the reception of a hanger-strap, the plate b^2 bearing a stud b^3 on its inner flattened surface adapted to engage with the sides of a hole b^4 in the flattened part of the plate a^2, and the plate a^2 bearing a stud b^3 on its inner flattened surface adapted to engage with the sides of a hole b^4 in the flattened part of the plate b^2, each plate being flanged along its outer edge, the flange of one plate engaging the inner edge of the other plate, and each of said plates having an arm pivoted at its extremity to a pivot-bolt 3 and being revoluble about said pivot-bolt, in combination with the pivot-bolt 3 and the roller 4.

9. A spreader and guide for a line or strap consisting of two separate plates each having an arm, said arms being pivoted at the opposite ends of the pivot-bolt, a roller revoluble on said pivot-bolt between the ends of the arms of said plates, said plates having flanges along their respective arms, apertures in the flattened parts of the plates for the reception of a hanger-strap, and a stud on the inner side of each of said plates adapted to enter and engage with the sides of a hole in each of the other of said plates.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DAVID G. WEBSTER.

Witnesses:
EDWIN M. LIVINGSTON,
H. B. STEVENSON.