

(Model.)

L. R. HYDE.

REIN HOLDER.

No. 261,719.

Patented July 25, 1882.

Fig. 1

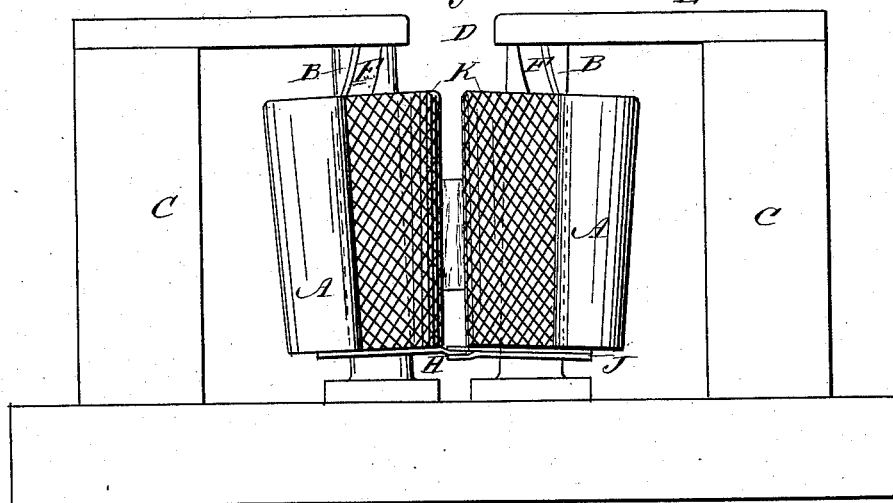


Fig. 2

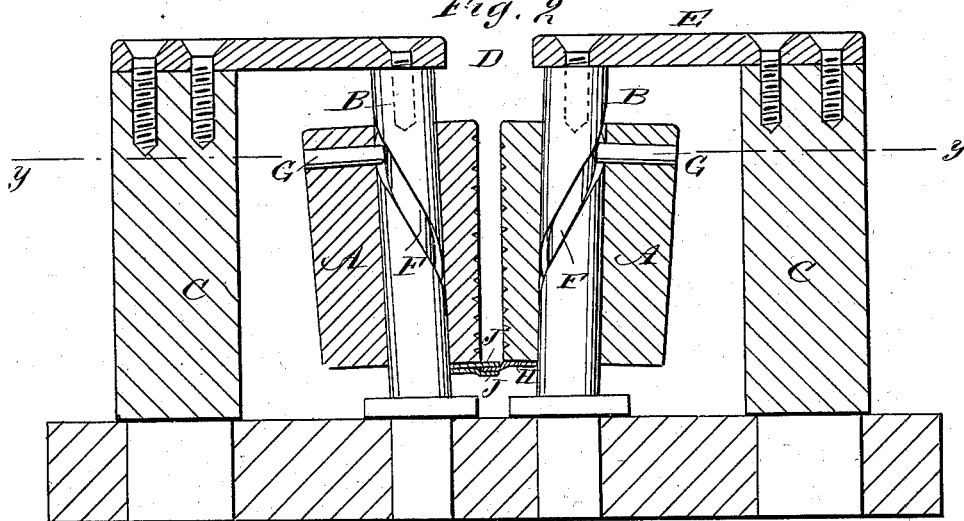
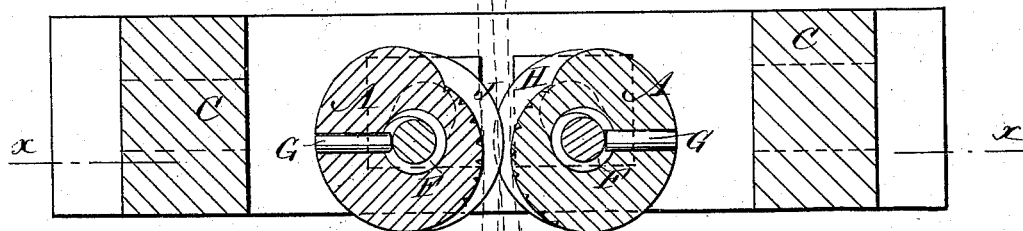


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

LESLIE R. HYDE, OF MONTAGUE, TEXAS.

REIN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 261,719, dated July 25, 1882.

Application filed December 15, 1881. (Model.)

To all whom it may concern:

Be it known that I, LESLIE RUSSELL HYDE, of Montague, of the county of Montague and State of Texas, have invented a new and improved Rein-Holder, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved simple device for holding the reins firmly and securely.

The invention consists of two cuneiform sleeves mounted loosely and eccentrically on two upright shafts inclined toward each other and provided with spiral grooves, into which pins in the sleeves pass, these sleeves being provided at the bottom with plates engaging with each other, so that both sleeves will move simultaneously, the reins being grasped between these sleeves.

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

Figure 1 is a front elevation of my improved rein-holder. Fig. 2 is a longitudinal sectional elevation of the same on the line *x x*, Fig. 3. Fig. 3 is a sectional plan view of the same on the line *y y*, Fig. 2.

Two cuneiform sleeves, A A, are eccentrically mounted on two upright shafts, B B, slightly inclined toward each other, and rigidly held in a frame, C, which is preferably fastened on the dash-board, and has a slot, D, for admitting the reins in its upper transverse bar, E. The shafts B are provided with appropriate and steep spiral grooves F F, into which studs or pins G of the sleeves A A pass. One of the sleeves A is provided at the bottom with an eccentric plate, H, fitting in between two like plates, J, at the bottom of the other sleeve, A. In place of two plates J, a single grooved plate may be used.

The parts K of the surfaces of the sleeves are roughened or serrated, so that they can hold the reins when the same are wet without letting them slip. The inclined shafts B are located so far apart that when the sleeves A are nearest each other the reins can be jammed between the sleeves.

The operation is as follows: If one sleeve A is raised, the other will be raised with it, as the plates H and J engage with each other, and if the sleeves are raised they are separated, so that the reins can be passed in be-

tween them, for when the sleeves are raised the pins G run up the grooves F, and the sleeves must turn outward. If the reins are pulled from the inside of the vehicle the sleeves will be raised and separated, and the reins can be withdrawn; but if the reins are pulled from outside of the vehicle the sleeves will be moved downward and toward each other and the reins be pressed tightly between them, and will be held firmly. The greater the draft on the reins the greater the grip of the roughened parts of the sleeves on the reins will be. All that is necessary to fasten the reins is to drop them through to the slot D, in between the sleeves A A. Their own weight draws them outward and causes the sleeves to be rotated toward each other, so that they can grasp and hold the reins. The eccentric plates or flanges, in combination with the spiral grooves, obviate the necessity of springs and consequent liability of the parts getting out of order.

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

1. In a rein-holder, the combination, with the upright shafts B, provided with spiral grooves F, of the sleeves A, mounted loosely and eccentrically on the shafts, and provided with pins G, passing into the grooves F, substantially as herein shown and described, and for the purposes set forth.

2. In a rein-holder, the combination, with the upright shafts B, provided with spiral grooves F, of the sleeves A, mounted loosely and eccentrically on the shafts B, and provided with the pins G, passing into the grooves F, the plate H, attached to the bottom of one sleeve, and the plates J J, attached to the bottom of the other sleeve, substantially as herein shown and described, and for the purpose set forth.

3. In a rein-holder, the combination, with the frame C, provided with a slot, D, in its upper transverse bar, E, of the shafts B, provided with spiral grooves F, the sleeves A, mounted loosely and eccentrically on these shafts, and provided with pins G, passing into the grooves F, substantially as herein shown and described, and for the purpose set forth.

LESLIE RUSSELL HYDE.

Witnesses:

EDWIN W. DAVIDS,
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