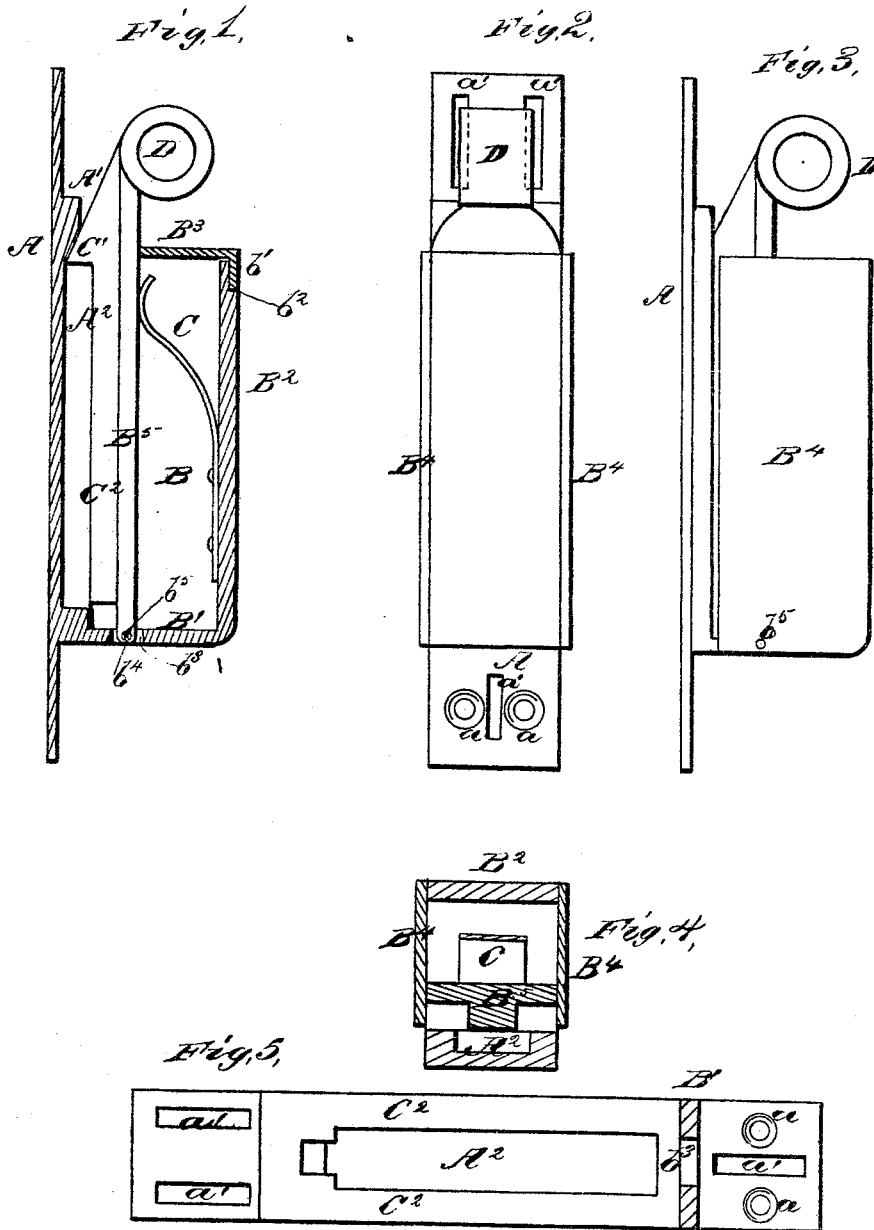


J. E. BRYAN.
 REIN-HOLDER.

No. 183,120.

Patented Oct. 10, 1876.



WITNESSES
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UNITED STATES PATENT OFFICE.

JAMES E. BRYAN, OF HUMBOLDT, KANSAS.

IMPROVEMENT IN REIN-HOLDERS.

Specification forming part of Letters Patent No. 183,120, dated October 10, 1876; application filed July 15, 1876.

To all whom it may concern:

Be it known that I, JAMES E. BRYAN, of Humboldt, in the county of Allen and State of Kansas, have invented a new and valuable Improvement in Rein-Holder; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a central vertical section, and Fig. 2 is a plan view thereof. Fig. 3 is a side view, and Fig. 4 is a transverse vertical sectional view. Fig. 5 is a horizontal sectional view of the same.

This invention relates to rein-holders; and it consists in the devices and combinations hereinafter particularly described.

In the annexed drawings, A designates a bed-plate, perforated at one end at *a a*, and slotted at one or both ends longitudinally at *a' a'*. This bed-plate may be attached to the front of the dash-board, either vertically or horizontally, and the slots *a' a'* enable it to be adjusted either way in the direction of its length without removing the fastening bolts or screws from that end. On the upper or outer face of plate A is cast, or otherwise rigidly secured, an offset or auxiliary plate, A¹, which is recessed longitudinally at A², as shown, to receive a clamping-arm, hereinafter described. On the rear of said offset or auxiliary plate A¹ is rigidly secured a vertical back plate, B¹, bent at right angles to itself, so as to form not only the back, but also the top B² of the casing B. To the under side of top plate B² is secured one end of a flat spring, C, which operates to force down (by its free end) the forward part of the pivoted portion of said casing, which consists of the front B³, the sides B⁴ B⁴, and the bottom B⁵, all of which are cast in one piece, or otherwise rigidly connected.

The sides B⁴ B⁴ are provided with extensions below the bottom B⁵, which inclose and protect the sides of offset or auxiliary bed-plate A¹. They are also connected in front by a cross-piece, b¹, which sets into recesses b² in the forward end of top plate B².

Back plate B¹ is provided with a square perforation, b³, which receives a tenon, b⁴, on the rear end of bottom plate B⁵, and allows play thereto. The rear ends of side plates B⁴ B⁴ extend sufficiently to embrace the sides of the back plate B¹, and are pivoted thereto by a pivot-bolt, b⁵, which passes through all three of said plates, as also through the tenon b⁴. Underneath bottom plate B⁵ is rigidly attached a longitudinal clamp-bar, C², provided with a rigid front tooth, C¹. To said bar and to front plate B³ is rigidly attached a handle, D. The recess A² in auxiliary bed-plate A¹ is deeper than suffices to receive clamp-arm C², and deep enough to receive tooth C¹.

The operation is as follows: The clamp-arm C², with the attached pivoted portion of the casing B, is raised by means of handle D, so as to allow the reins to be slipped in transversely. The handle then being released, the spring C operates to force the clamp-arm C² tightly down upon said reins, which are thereby forced into recess A², and there securely held, while the tooth C¹ prevents their lateral displacement.

Various slight modifications may be made without departing from the spirit of my invention. For instance, both ends of the bed-plate may be provided with perforations for attachment to wood, or both slotted, so as to receive straps for attachment to leather. Again, the pivoting may be through lugs cast on or otherwise attached to the casing, or by means of trunnions, or in any other known manner.

The bottom of the bed-plate may be made convex instead of flat, or may be given any other configuration desired.

Both ends of the bed-plate should be provided with slots, so as to make the device adaptable to attachment to either leather or wood.

The device as a whole may be employed not only as a rein-holder, but wherever it is desirable to clamp or tightly hold a line of any sort, or, indeed, any thin substance.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the recessed plate A¹ with the hinged clamp C¹ C², pivoted plates

B³ B⁴, rigid plates B¹ B², and spring C, substantially as described, and for the purpose set forth.

2. The combination of rigid back plate B¹ and top plate B² with pivoted sides B⁴, bottom B³, and front B³, all constituting a spring-protecting casing, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAS. E. BRYAN.

Witnesses:

JOHN F. ACKEE, Jr.,
GEORGE E. UPHAM.