

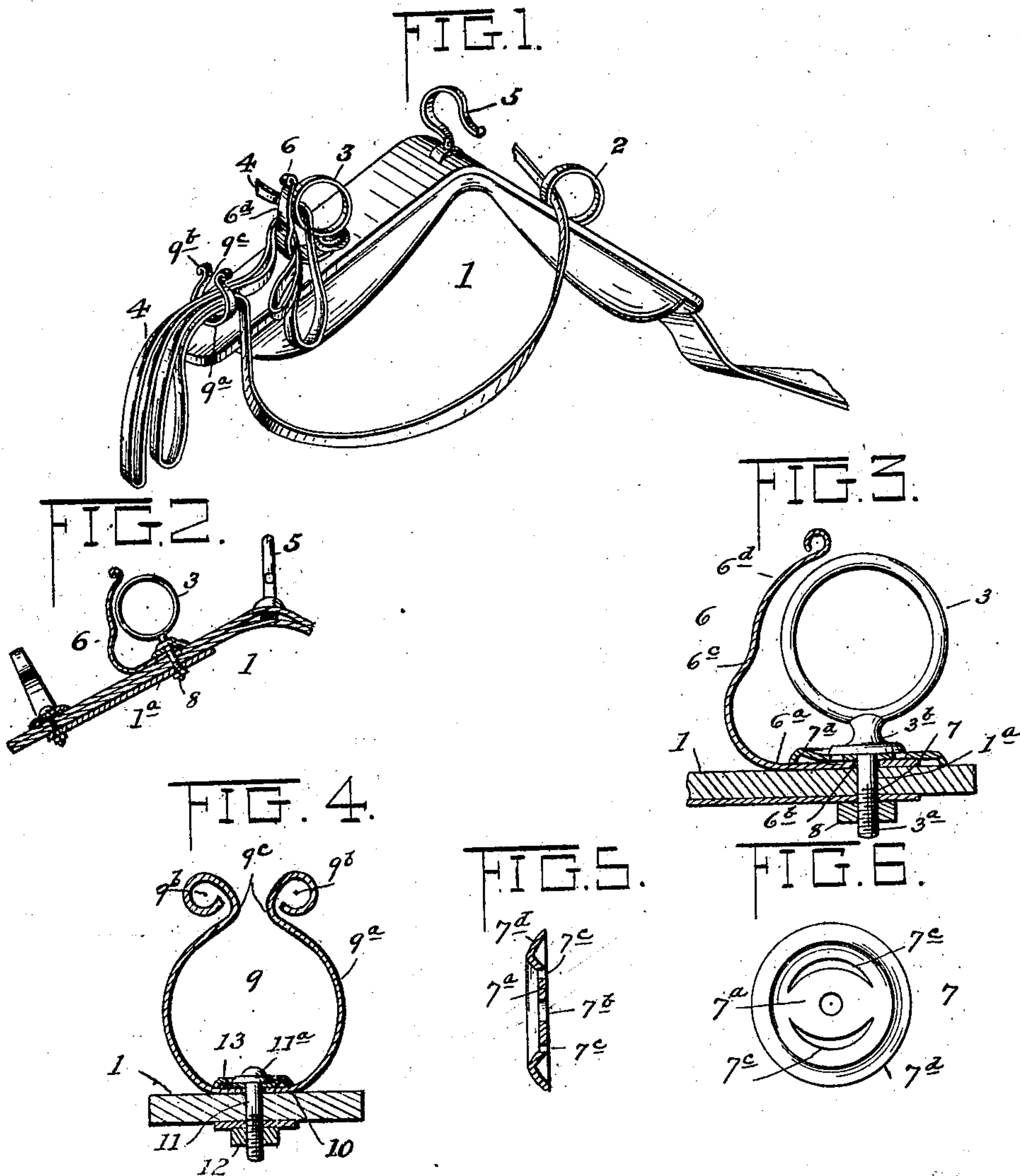
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Patented Jan. 17. 1899.

J. W. HARSHMAN.
REIN HOLDING ATTACHMENT FOR HARNESS SADDLES.

(Application filed Sept. 2, 1897.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN W. HARSHMAN, OF GLOBE, KANSAS.

REIN-HOLDING ATTACHMENT FOR HARNESS-SADDLES.

SPECIFICATION forming part of Letters Patent No. 617,960, dated January 17, 1899.

Application filed September 2, 1897. Serial No. 650,366. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. HARSHMAN, a citizen of the United States, residing at Globe, in the county of Douglas and State of Kansas, have invented certain new and useful Improvements in Line-Holding Attachments for Harness-Saddles; and I do hereby 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.

This invention relates to improvements in line-holding attachments for harness-saddles for supporting harness reins or lines when they are not in use, and has for its object to provide a device of this character which will support the lines in such a manner as to obviate the necessity of tying them and which may be used in connection with the form of terret in common use without altering the construction thereof.

With this and other objects in view the invention consists in the construction, arrangement, and combination of parts hereinafter more clearly described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of a harness-saddle embodying my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is an enlarged detail view of the terret and rein-hook. Fig. 4 is a similar view of the loop or ring. Fig. 5 is a detail sectional view of the resilient washer, and Fig. 6 is a plan view of the same. Referring now more particularly to the drawings, the numeral 1 represents a harness-saddle of ordinary construction provided with the terrets or guide-rings 2 and 3, through which the reins or lines 4 when in use pass, and with the intermediate check-hook 5, to which the check-rein (not shown) is connected.

The terrets are of the usual construction and are not changed or altered in any way for the application of my invention thereto, the terret 3, for instance, being provided with the ordinary screw-shank 3^a for the reception of a retaining-nut 8 and above said shank with a base flange or collar 3^b.

Arranged alongside the terret 3 is a rein-hook 6, comprising an arm having a base-piece

6^a, projecting under the flange of the terret and provided with an opening 6^b for passage of the screw-shank thereof. The arm extends inwardly toward the terret at the point 6^c and has its upper portion 6^d curved to conform to the contour of the terret, so as to confine the reins, as hereinafter described.

In order to retain the hook in position and hold the same from slipping, a resilient washer 7 is interposed between the base-flange 3^b of the terret and base-plate 6^a of said hook. This washer is concavo-convex in form, having a depressed center and a downturned rim, the former being arranged to bear upon the base of the rein-hook and provided with an opening 7^a for passage of the screw-shank of the terret, and segment-shaped slots 7^c on opposite sides thereof. By this construction the central portion of the depressed part of the washer is adapted to move independently of the body thereof and bend at the diametrically opposite points between the ends of the slots. The base-flange of the terret bears upon this movable portion of the depressed center of the washer, which yields readily under the pressure, and thereby clamps the rein-hook firmly in place. By this means I am enabled to employ the hook in connection with the usual form of terret, herein described.

Mounted upon the saddle in close proximity to the terret 3 and at right angles thereto is a rein-holder 9, consisting of a single piece of spring metal bent into the form of a U-shaped loop and having its ends 9^b approximating and bent in reverse directions to form a flaring guide-entrance thereto. The loop is provided in its base portion with an opening 10, and a bolt 11 is passed through the same and into the saddle and provided with a retaining-nut.

Interposed between the head 11^a of the nut and base of the loop is a resilient washer 13, of substantially the same construction as the washer 7.

In operation the free ends of the reins or lines 4 are folded back and forth upon themselves until they are of convenient length. The folded intermediate portions are then inserted in the loop 9, and the loose or free ends thereof passed between the hook and adjoining side of the terret 3. The lines are thus

held in a simple and convenient manner and prevented from spreading or becoming disconnected.

Having thus described the invention, what is claimed as new is—

A harness-saddle provided with a terret having the usual screw-shank and base flange or collar, a line-holding hook comprising a base portion provided with an opening through which said screw-shank extends and a spring-arm formed integrally with said base portion and arising therefrom alongside the terret, a concavo-convex clamping-washer interposed between the base portion of the hook and terret-flange and having a downturned supporting-rim and a depressed center provided with a central opening for passage of the terret-shank and segment-shaped slots at opposite

sides thereof forming an independently-movable clamping portion which yields readily under pressure from the terret flange or collar and thereby holds the base portion of said hook firmly in place, and a loop on the saddle arranged alongside of and at a right angle to the terret and detachable independently of the latter, whereby the lines may be folded upon one another, placed in the loop and the free ends thereof confined between the hook and terret, substantially as described.

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

JOHN W. HARSHMAN.

Witnesses:

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