(No Model.)

A. GILLIAM.

HARNESS SADDLE.

No. 332,340. Patented Dec. 15, 1885.

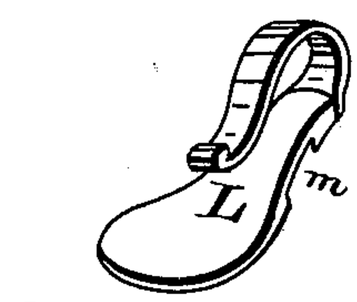


Fig. 5.

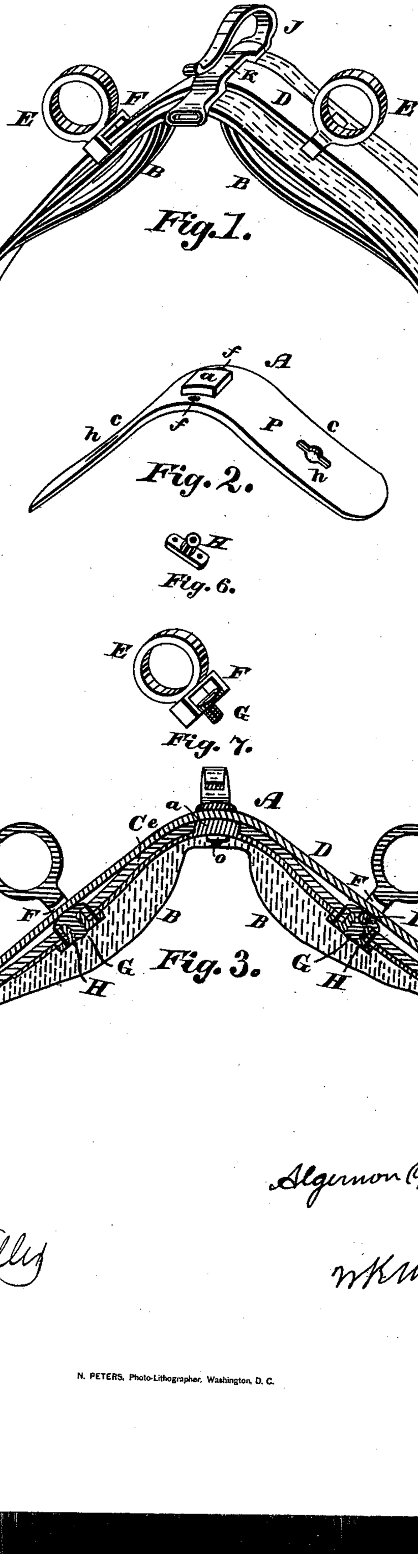
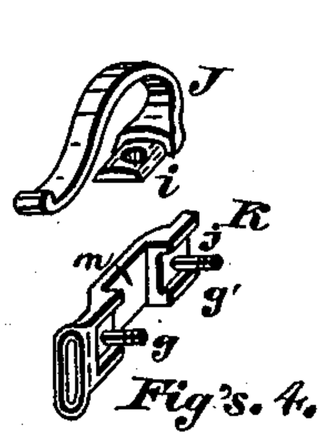


Fig. 1.



Fig's. 4.

Fig. 2.

Fig. 6.

Fig. 7.

Fig. 3.

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HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 332,340, dated December 15, 1885.

Application filed July 27, 1885. Serial No. 172,707. (No model.)

To all whom it may concern:

Be it known that I, ALGERNON GILLIAM, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Harness-Saddles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in harness-saddles, or so-called "hansom" or "gig" saddles, the object being to form a metal tree of suitable width to cover the pad and provided with an upward projection forming a seat for a back-strap or thill-support.

A further object is to provide in a terret a loop or passage-way for a back-strap or thill-support.

A further object is to provide in the seat of a check-hook a loop or passage-way for a back-strap or thill-support.

A further object is to provide an improved check-hook.

My invention also relates to the details of construction and combination of parts hereinafter described, and set forth in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improved harness-saddle. Fig. 2 is a view in perspective of the saddle-tree. Fig. 3 is an elevation in longitudinal section. Fig. 4 is a view in perspective of the check-hook and seat. Fig. 5 is a perspective check-hook and seat, differing only in form of seat. Fig. 6 is a perspective of terret-nut. Fig. 7 is a view in perspective of the terret, showing the ring for the driving-rein, the loop for the back-strap, and threaded shank.

A represents the tree; B, the pad; C, the skirt; D, the back-strap; E, the terret-ring; F, the terret-loop; G, the threaded shank; H, the threaded nut; I, the terret-loop roller; J, the check-hook; K, the check-hook seat; L, the check-hook and seat.

The tree A is preferably made of malleable iron, and is provided at its top section with an upward projection or raised seat, *a*, forming a seat or bearing for the back-strap D, and is adapted to the recess *m* on the under side of the check-hook seat. There is a slight depression, *c*, in the middle section of the leg P, for the purpose of bringing the bottom of the terret-loop F on a line with the skirt at *d* and *e*. (See Fig. 3.) The tree is also provided with perforations *f f*, adapted to the threaded pins *g g'* of the check-hook seat, and is further provided with perforations *h h*, for the reception of the threaded shanks of the terrets. The terret E is provided with a quadrilateral loop constructed in the shank of the terret, and in position between the terret-ring and the threaded shank, and on a line at right angles with the plane of the terret-ring, which will be hereinafter explained. The check-hook is composed of two parts—the hook J, formed with a neck, *i*, which is perforated and adapted to the socket *j* and pin *g'* of the seat K. These pins may be integral with the seat, which is provided with a recess or socket, *m*, which will be hereinafter explained. On the lower side of the loop F in the terret there may be adapted a roller, I, as shown in terret *m*, Fig. 3, for the purpose of easing or reducing the friction on the back-strap. A similar roller may be adapted to the seat *a* of the saddle-tree for the same purpose.

The skirt G may be made of one continuous piece with perforations adapting it to the tree, the rectangular opening placed over the raised seat *a*. The neck *i* of the check-hook J is placed in the socket *j*, the pins *g g'* passed through the perforations in the skirt and saddle-tree, and the threaded nuts O turned on, thus firmly securing the parts in position, leaving an open way or loop (see Fig. 3) between the elevated seat *a* and check-hook seat K for the passage of the back-strap. The threaded winged nuts H, provided for the shanks of the terrets, are placed on the under side of the tree and secured in position by rivets passed through the perforations provided for them, securing the nut in position on the under side of the tree and the skirt on the top. The pad B may be made in the usual way and stitched to the edge of the skirt, and extended a little below the ends of the legs of the tree and made flexible, so as to conform to the sides of the animal. The balance of the skirt is preferably of one single piece of leather. The threaded shank of the terret passes through the skirt and into the nuts H on the under side of the tree, and when turned in firmly secures the skirts to the tree. The

back-strap D may now be passed through the loops F in the terret and the loop formed by the check-hook seat, and when in position may adjust itself longitudinally through the loops, thereby adapting it to any uneven burden on the thills, or to an uneven adjustment of the thills, so that the weight may be evenly distributed over the back and sides of the animal, and the upward movement of the thills' bearers attached to the back-strap will be arrested by the terrets, thus avoiding all liability of ripping the back-strap from the saddle, as would be the case if the strap were stitched to the saddle in the usual way.

Having thus fully described the nature and operation of my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with a tree having a raised seat, the skirt having an opening therein corresponding with said raised seat, and the nuts secured against the lower face of the tree, of the check-hook consisting of a hook and a seat, the latter having the depression in its lower face, forming a way or loop for the back-strap, and the terrets, constructed substantially as described and secured to the nuts.

2. The combination, with a tree having a raised seat for the back-strap and perforations on opposite sides of said tree, of the check-hook consisting, essentially, of a hook and a seat, the latter being provided on its lower face with a depression corresponding with the raised seat on the tree, and with pins for securing the hook to the tree, substantially as set forth.

3. In a harness-saddle, a check-hook composed of the followings parts: the hook J, having neck *i*, and the seat K, having socket *j* and recess *m*, substantially as set forth.

In testimony whereof I have hereunto set my hand this 22d day of July, A. D. 1885.

ALGERNON GILLIAM.

Witnesses:
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