(No Model.) 3 Sheets—Sheet 1.

R. H. & J. MORROW.

HARNESS PAD.

No. 424,893. Patented Apr. 1, 1890.

Fig. I.

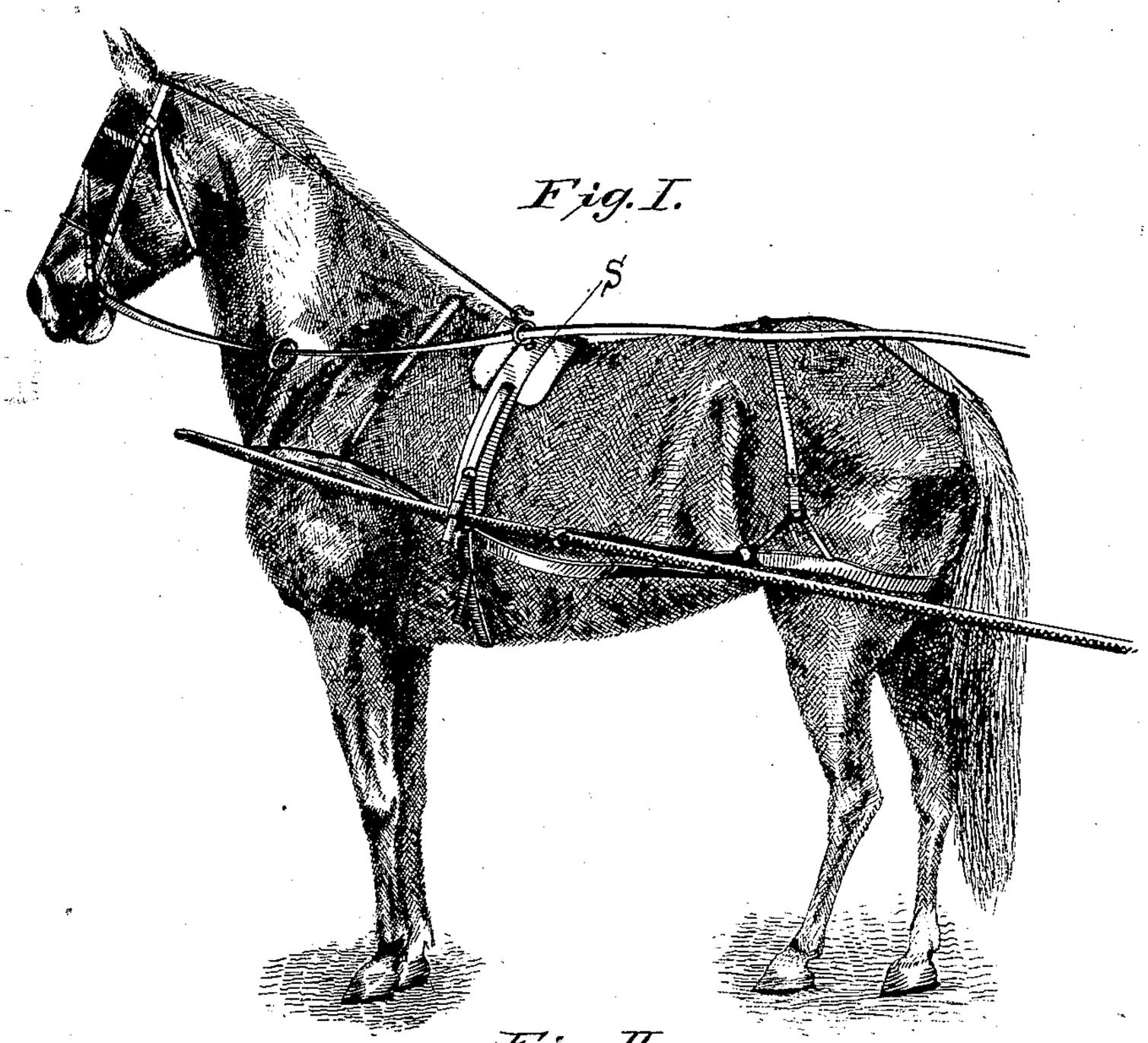
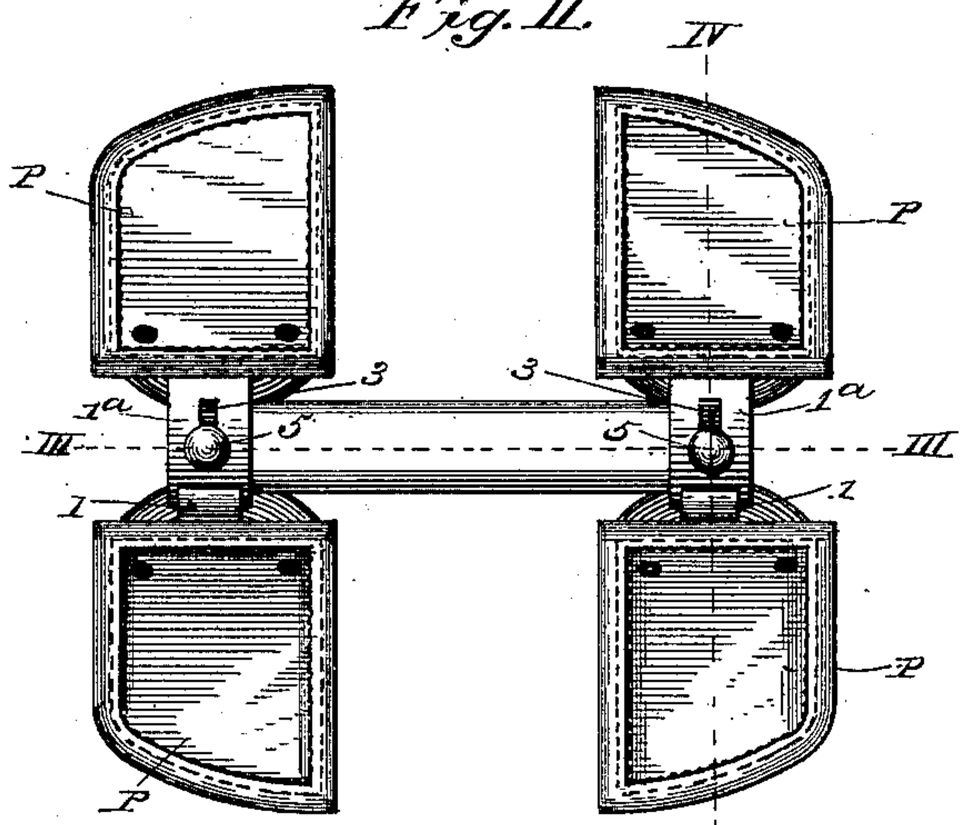


Fig. II.



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By their Attorneys
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HARNESS PAD.

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Fig. III.

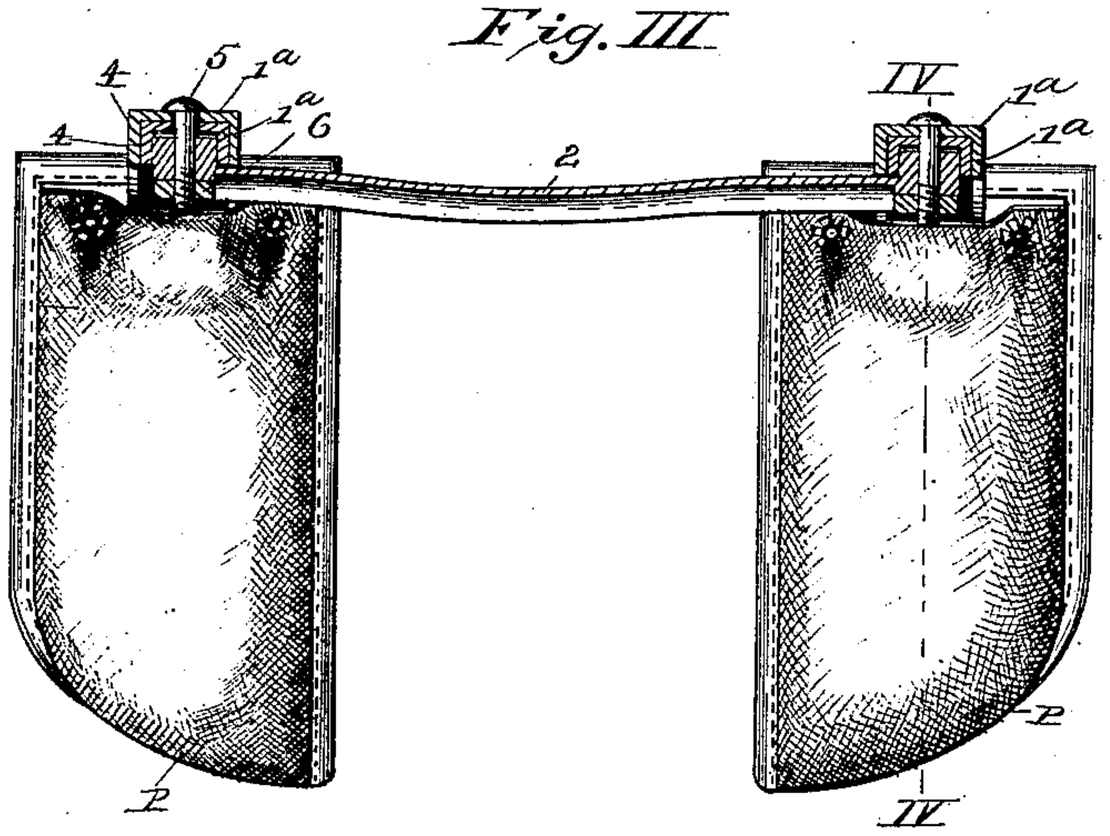
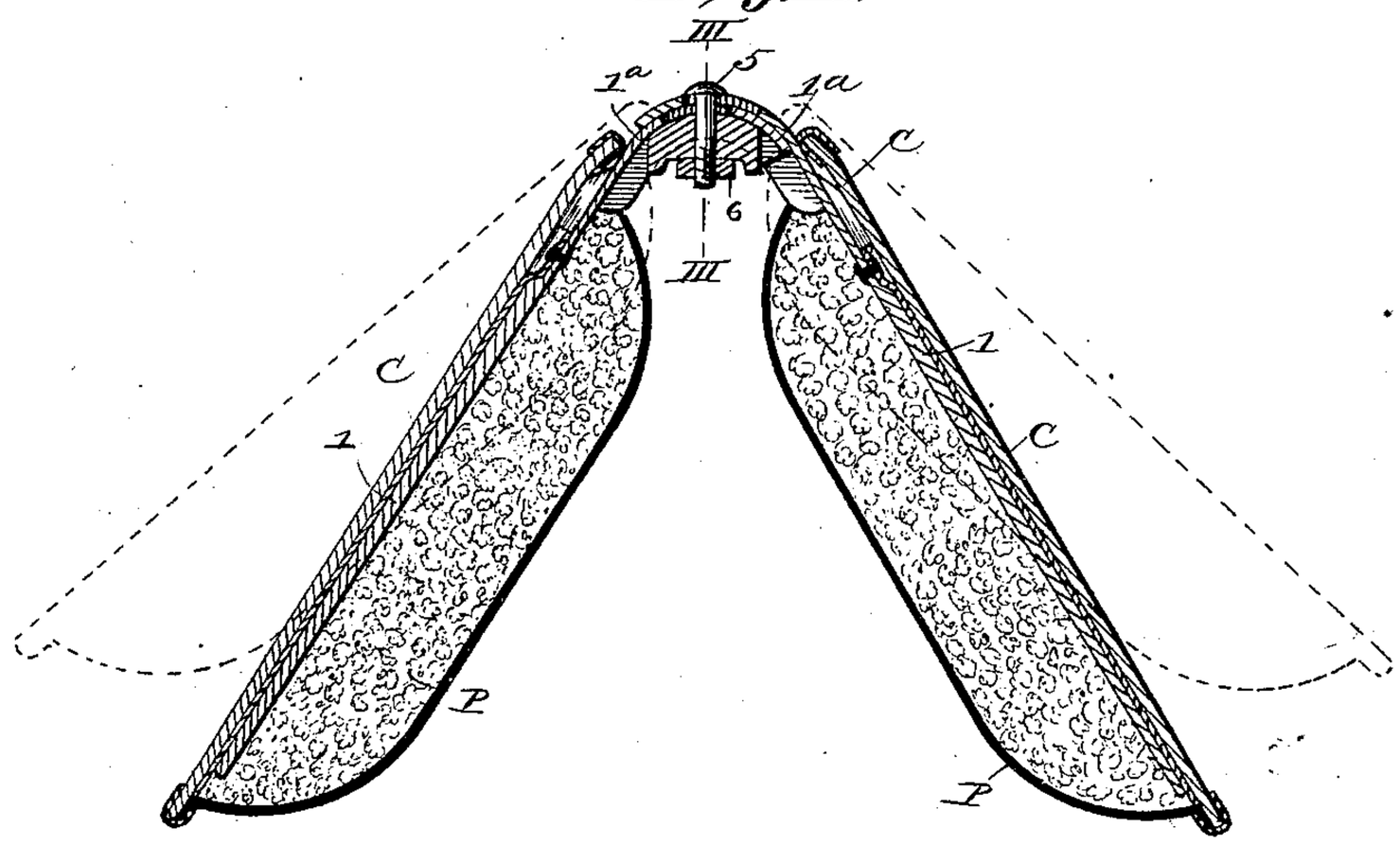


Fig. IV.



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(No Model.) 3 Sheets—Sheet 3.

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HARNESS PAD.

No. 424,893. Patented Apr. 1, 1890.

Fig. V.

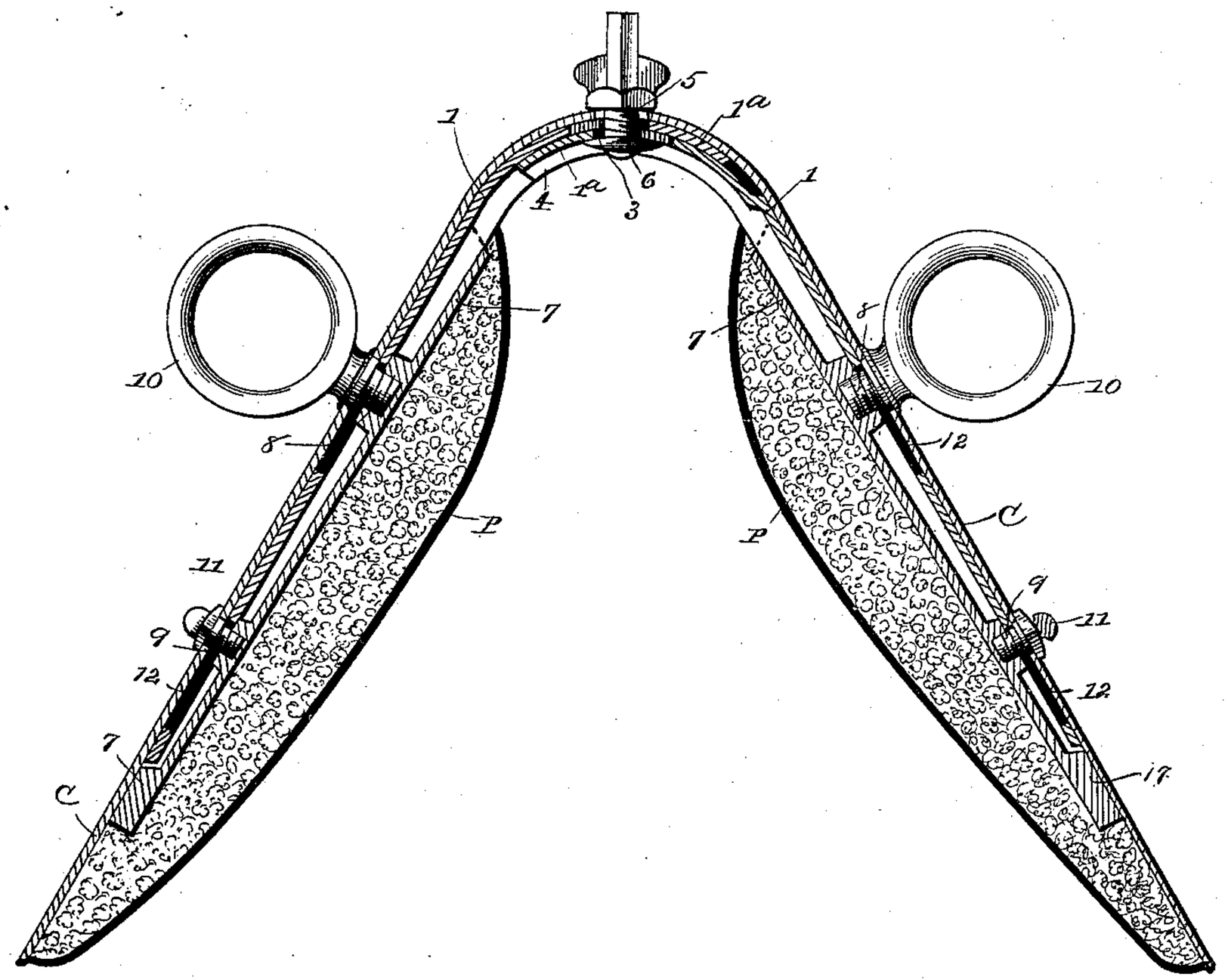
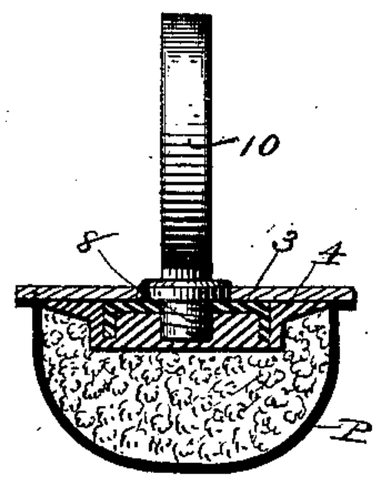


Fig. VI.



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UNITED STATES PATENT OFFICE.

RICHARD H. MORROW AND JAMES MORROW, OF WASHINGTON COURT-HOUSE, OHIO.

HARNESS-PAD.

SPECIFICATION forming part of Letters Patent No. 424,893, dated April 1, 1890.

Application filed July 9, 1889. Serial No. 316,926. (No model.)

To all whom it may concern:

Be it known that we, RICHARD H. MORROW and JAMES MORROW, both citizens of the United States, residing at Washington Court-House, in the county of Fayette and State of Ohio, have invented certain new and useful Improvements in Harness-Pads, of which the following is a specification.

The subject of our invention is an adjustable harness-pad adapted to support a coach-saddle or other part of the harness out of contact with a sore or chafed back, or in its application to gig-saddles and the like, to provide adjustability in the arch and arms which carry the pads, so as to vary the spread or straddle of the pads as may be desired, to fit the back of the horse. To this end we construct a harness-pad with paired adjustable arms meeting at the top or over the bridge in concentric arcs slotted for the passage of a screw-bolt, by which they are connected together, the slots permitting the movement of the concentric arms upon each other when the bolt is relaxed to vary the angle or spread of the pad-arms, and the tightening of the bolts securing the arms immovably at any angle or spread to which they have been adjusted.

In order that our invention may be fully understood, we will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is a perspective view of our improved adjustable pad in position upon a horse. Fig. II is a plan view of the pad. Fig. III is a longitudinal section thereof on the line III III, Figs. II and IV. Fig. IV is a transverse section on the line IV IV, Figs. II and III. Fig. V is a vertical section of a gig-saddle embodying our improvement. Fig. VI is a horizontal section of one arm of the same at the line-ring.

In Figs. II, III, and IV, 1 1 represent the pad-arms, to which the cover C and padding P are applied in the customary manner. The said arms are made separately, meeting at top in concentric segments 1^a 1^a, provided with slots 3, to permit the sliding of the segments one on the other, with the effect of varying the angle or spread of the pad-arms, as illustrated by dotted lines in Fig. IV. The segments 1^a are furthermore provided with flanges 4, which brace them in proper relative position, while permitting them to slide one on the other, as described, and are clamped together by the bolts 5 and nuts 6, also serving to attach the pad-arms to the longitudinal bridge piece or bar 2, which connects the pair of pads in the front and rear of the saddle S and supports the saddle out of contact with the back of the horse.

Referring to Figs. V and VI, which represent the invention applied to a gig-saddle, 1 1 represent the relatively-adjustable arms of the pad, meeting by concentric segments 1^a, having slots 3 and guiding-flanges 4, and clamped by a bolt and nut in any position in which the arms may be adjusted, so as to set them at any desired spread or straddle.

7 7 represent flanged bars fastened underneath the arms 1. To the bars 7 the cover C and padding P are attached, and they are provided with screw-sockets 8 9, for the reception of the line-rings 10 and screws 11, which pass through slots 12 in the arms 1, clamping the bars 7 to the said arms, or when loosened permitting the arms 1 to slide freely between the cover C and bars 7, as may be required in adjusting the said arms 1 1 to vary the set or spread of the saddle. When the arms are set in the required position, the tightening of the line-rings 10 and screws 11 clamps the arms 1 1 and bars 7 securely together, while the clamp-bolt 5 and nut 6 serve to fix the meeting segments 1^a of the arms, as in the first illustration of the invention.

Having thus described our invention, the following is what we claim as new therein and desire to secure by Letters Patent:

1. An adjustable harness pad or saddle constructed with pad-arms curved at their ends in the arc of a circle, sliding one within the other, and having flanges on each side to brace them in relative position and prevent them from moving laterally, and pads carried by said arms, in combination with a screw-bolt or equivalent clamping device, by means of which the said pad-arms are retained at any desired spread or straddle, substantially as set forth.

2. In an adjustable harness-pad, the combi-

nation of the two pairs of adjustable arms 1 1, curved at their ends in the arc of a circle, sliding one within the other, pads carried by said arms, and the longitudinal bridge-bar 2, connected to said pair of pad-arms 1 by means of the fastening that secures said arms and supporting the saddle out of contact with the back of the horse, substantially as described.

3. In a gig-saddle or the like, the relatively-adjustable pad-arms 1 1, curved at their ends in the arc of a circle, sliding one within the other, and clamping in any position to set the pad-arms at the desired spread or angle, and pads carried by said arms, in combination with the under bars 7, to which the cover and padding are attached, and suitable screws 10 11, passing through slots in the arms 1 and screwed in the under bars 7, to permit the required adjustment of the arms 1 relatively to the saddle-cover, as and for the purposes set forth.

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