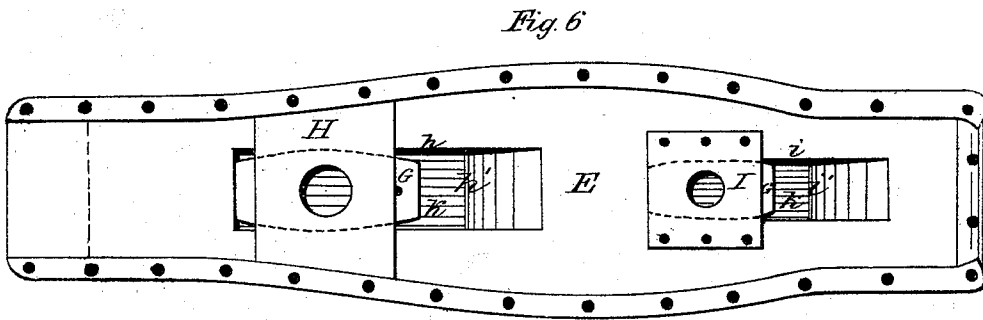
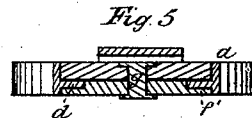
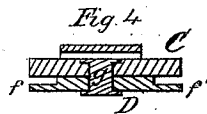
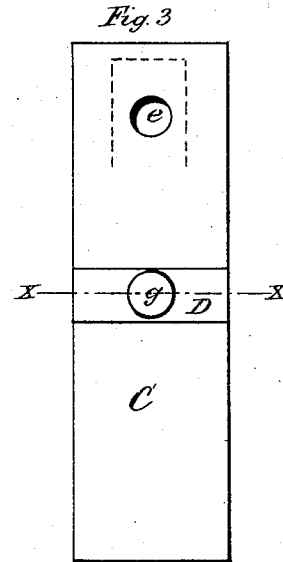
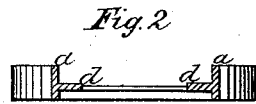
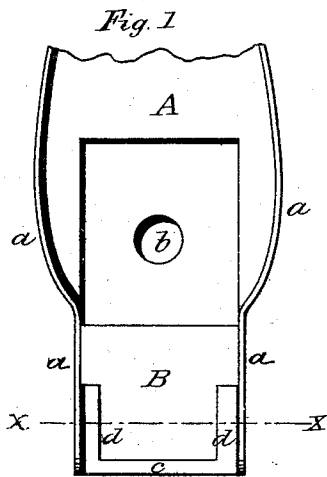


S. A. MARKER.
COACH-PAD.

No. 171,150.

Patented Dec. 14, 1875.



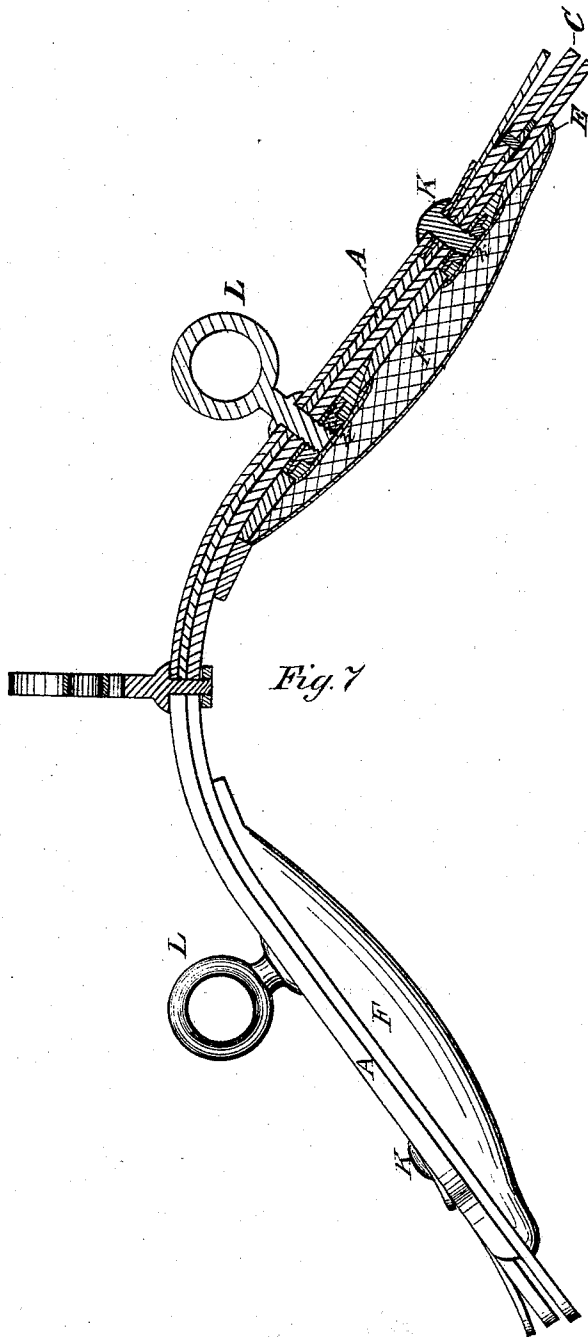
Attest:
Wm Bagger
C. A. Snow

Inventor:
Stephen A. Marker,
by Louis Bagger
his atty.

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UNITED STATES PATENT OFFICE.

STEPHEN A. MARKER, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN COACH-PADS.

Specification forming part of Letters Patent No. **171,150**, dated December 14, 1875; application filed October 22, 1875.

To all whom it may concern:

Be it known that I, STEPHEN A. MARKER, of Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Coach-Pads; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates, first, to an improved method of fastening the skirt of a coach-pad to the plate of such saddle or pad; and, second, to certain improvements in the construction of the harness-pad, so that mountings or trimmings differing in size and design may be substituted for each other without ripping the pad open, all as hereinafter more fully explained, and pointed out in the claims.

In the drawing, Figure 1 is a plan of a portion of that part of the harness or pad plate to which the skirt is attached. Fig. 2 is a transverse section of the same, after the line *xx* in Fig. 1. Fig. 3 is a view of a portion of the under side of the skirt, showing the slide or fastening device. Fig. 4 is a transverse section after the line indicated by *xx* in Fig. 3. Fig. 5 is a transverse section of the skirt and plate, after the lines *xx* in Figs. 1 and 3. Fig. 6 is a top plan of the pad, detached from the plate; and Fig. 7 is a longitudinal section of a pad-plate, with pad attached.

Similar letters of reference indicate corresponding parts in all the figures.

A is the harness or pad plate, which has a raised flange, *a*, running its entire length on both sides. Each end of this plate is provided with holes *b* for the insertion of the pad-screws and terrets, and has a square opening, B, formed by the flanges *a* projecting beyond the body of the plate, and united by the cross-bar *c*. Two flanges or shoulders (denoted by *d*) project from said cross-bar about half-way up in the opening B, one on each interior side of the flanges *a*, so as to form projecting brackets or shoulders, as shown in Fig. 2. The skirt C, Fig. 3, has a hole, *e*, for the insertion of the pad-screw. Below this hole, and riveted onto the under side of the skirt, is a me-

tallic slide, D, consisting of a solid central part and two projecting flanges, *f f'*, on a line with the under side of the solid body. The configuration of this slide is shown plainly in Fig. 4. Instead of making it of one piece of metal, it may be made of two or more pieces, held together by the rivet *g*, by which it is secured to the skirt.

The manner of using this fastening device will be readily understood from the foregoing description and by reference to Fig. 5, which is a transverse section of the skirt attached to the plate. The slide D is dropped through the opening B above the flanges *d*, and the skirt is then pulled or slid down until the flanges *f f'* of the slide D will come under the flanges or brackets *d d* of the plate, the sides of which will then abut upon the raised solid part of the slide D, thus preventing lateral motion of this and of the skirt. The cross-piece *c* prevents the slide and skirt from being pulled out in a downward direction, even if the pad-screw should come out, besides bracing and strengthening the lower part of the plate.

The second part of my invention is represented in Figs. 6 and 7 of the drawings. This part of my invention relates to that class of pads that are separate and distinct from the pad-plate, from which they may be detached, and again attached, at will.

E is the top part or pad-piece of the pad F; and consists of a piece of stiff sole-leather, or other similar stiff but flexible material, cut into such shape or outline as the pad is to have. Two oblong openings, *h* and *i*, are cut in this piece, with one end sloped off gradually from the bottom of the opening to the top surface of the pad-piece E, as indicated at *h'* and *i'*. The openings *h* and *i* are partially covered by plates H I, riveted onto the top piece E on each side of the openings, as shown in Fig. 6, and having perforations, as represented. To the under side of the pad-piece E, below each opening *h i*, is glued or otherwise secured a piece of thin leather, *k*, to prevent the stuffing in the pad from filling up the openings *h* and *i*. In this manner recesses are formed for the insertion of the nuts G, which engage with the screw-tenons of the terrets and with the pad-screw K. These nuts are

easily removed or reinserted, on account of the sloping entrances to the recesses for their reception, and may be changed at will, with little trouble, to correspond to the mountings it is desired to use. The plates H and I serve the double purpose of retaining the nuts in their position when inserted, and brace or strengthen the pad-piece E.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The herein-described device for securing the skirt to the pad-plate of a coach-pad, consisting of the flanges *a*, projecting from the body of the plate and united by the cross-piece *c*, so as to form an opening, B, having the interior shoulders or brackets *d*, in combination with the skirt C, having the slide D secured thereto, all arranged and operating substantially as and for the purpose hereinbefore set forth.

2. The combination of the pad-piece E, constructed as described, with the bottom pieces *k*, perforated top plates H I, and removable nuts G, substantially in the manner and for the purpose hereinbefore set forth.

3. The combination of the pad-plate A, having terrets L and pad-screw K, with the pad F, having the pad-piece E, recessed at *h* and *i*, plates H I, bottom pieces *k*, and removable nuts G, all constructed and arranged for operation substantially in the manner and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

STEPHEN A. MARKER.

Witnesses:

DAVID H. STEVENSON,
MARTIN IGOE.