

M. V. LONGSWORTH.
HARNESS PADS.

No. 179,930.

Patented July 18, 1876.

Fig. 1.

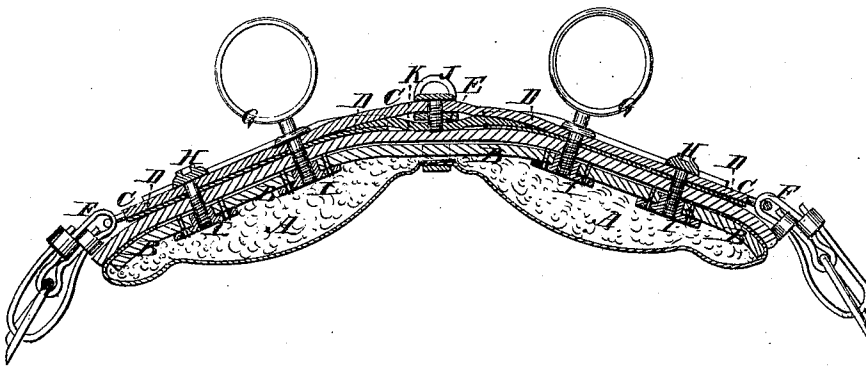
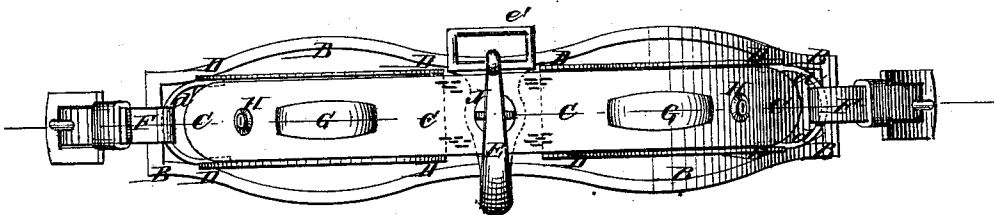


Fig. 2.



WITNESSES:

Francis M. Smith,
John Goethals

INVENTOR:

M. V. Longworth

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

MIROM V. LOMGSWORTH, OF DELPHOS, OHIO.

IMPROVEMENT IN HARNESS-PADS.

Specification forming part of Letters Patent No. **179,930**, dated July 18, 1876; application filed May 27, 1876.

To all whom it may concern:

Be it known that I, MIROM V. LOMGSWORTH, of Delphos, in the county of Allen and State of Ohio, have invented a new and useful Improvement in Pad-Plates for Harness, of which the following is a specification:

Figure 1 is a longitudinal section of a harness-pad to which my improvement has been applied. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to save labor and lessen cost in making harness-pads, while at the same time producing neat, strong, and durable pads.

The invention will first be described in connection with drawing, and then pointed out in the claim.

A represents the cushion of the pad, the upper side of which is covered with a leather plate, B. C is the upper or saddle strap. D are two metal plates, interposed between the saddle-strap C and the leather plate B, and extending from the lower end of said leather plate, or from near said lower end, nearly to the water-hook E. The side edges of the plates D may be bent upward at the side edges of the strap C, to keep the said strap from being drawn out of place. To the lower ends of the plates D are attached, or upon them are

formed, loops or rings *d'*, to which are attached the straps F, with which the belly-band straps and the straps that support the traces are connected, so that the movements of the traces cannot cause the pad to work upon and chafe the horse's back. The metal plates D are secured in place by the terrets G and the screws H, which pass through the strap C, the metal plates D, the leather plate B, and the back of the pad A, and screw into nuts I, placed beneath and secured to the back of said pad. The water-hook E is secured by a screw, J, to the center of the strap C, which is strengthened by a short strap, K, placed beneath the base of the water-hook E, and the end parts of which are secured to the said strap C by a few stitches. Upon the rear end of the base of the water-hook E is formed the loop *e'*, to receive the back-strap.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with terrets G and screws H, of the upwardly-flanged plates, having end loops forming a part thereof, substantially as and for the purpose specified.

MIROM V. LOMGSWORTH.

In presence of—

PHILIP WALSH,
B. J. BROTHERTON.