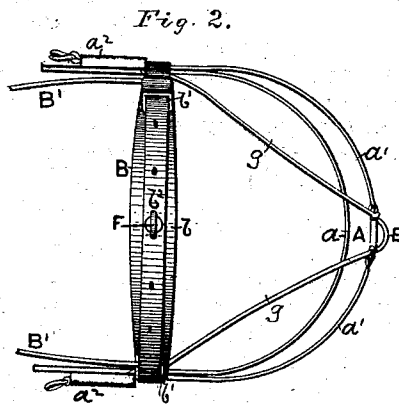
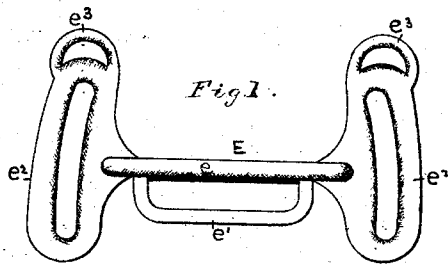


A. McCRAKEN.
Harness.

No. 154,266.

Patented Aug. 18, 1874.



WITNESSES.

W. G. Stuart

INVENTOR.

Asa McBraken
by a. McCallum
Atty

UNITED STATES PATENT OFFICE

ASA McCRAKEN, OF MANSFIELD, OHIO.

IMPROVEMENT IN HARNESS.

Specification forming part of Letters Patent No. **154,266**, dated August 18, 1874; application filed February 10, 1874.

To all whom it may concern:

Be it known that I, ASA McCRAKEN, of Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Harness; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in harness; and the invention consists in certain improvements in the breast-iron and its connections with the other parts of the harness, all as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is an elevation of my improved breast-iron. Fig. 2 is a plan view, showing the breast-iron connected with other parts of the harness.

A represents the breast-strap, composed of a folded piece, *a*, and two pieces or loose layers, *a'* *a'*. B is the neck-strap. E represents the breast-iron. It is formed with six loops. The forward loop, *e*, receives the pole-strap; the under loop, *e'*, receives the martingale that extends to the belly-band; the side loops, *e''*, receive the forward ends of the loose layers *a'* *a'* of the breast-strap, and the upper loops, *e'''*, receive the forward ends of stays *g*, connected

with the straps B', which latter extend back and connect with the coach-pad.

By this arrangement and construction of the loops of the breast-iron it is made to form a connecting-link between the belly-band, the pole, the collar, and neck-strap, and (through the strap B' and coach-pad) with the back-strap and crupper, thereby bringing the strain of the back draft to bear on all these parts without undue pressure on any one part of the harness.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The breast-iron E, having the loops *e* *e'*, *e''* *e''*, and *e'''* *e'''*, substantially as and for the purpose specified.

2. The combination of the breast-iron E, constructed as described, with the straps *a'* *a'*, *g* *g*, and B', and with breast-strap A and neck-strap B, substantially as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 2d day of February, 1874.

ASA McCRAKEN.

Witnesses:

DAVID F. MAINE,
MICHAEL R. DOLL.