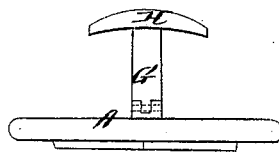
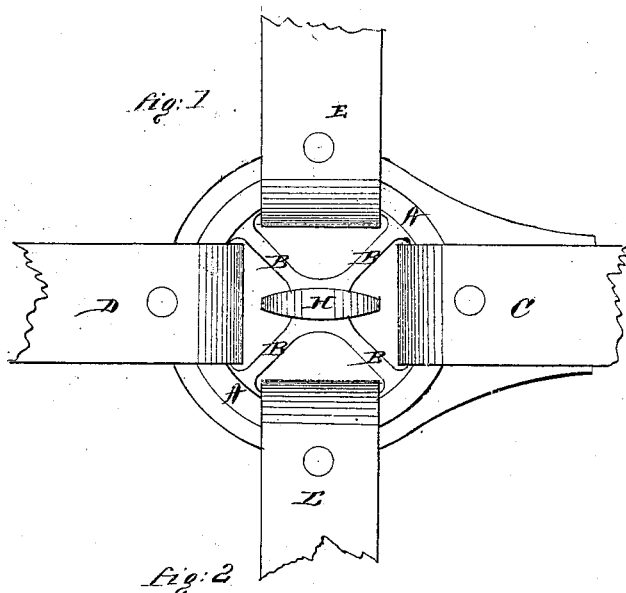


R. Porter,

Trace Carrier.

No. 111,473.

Patented Jan. 31. 1871.



Witnesses
Ed. Bunt
W. H. Marr

Inventor
Robert Porter
per Alexander Mason
Atty.

United States Patent Office.

ROBERT PORTER, OF OTTUMWA, IOWA.

Letters Patent No. 111,473, dated January 31, 1874.

IMPROVEMENT IN TRACE-CARRIERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, ROBERT PORTER, of Ottumwa, in the county of Wapello and in the State of Iowa, have invented certain new and useful Improvements in Trace-Carriers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "trace-carrier," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and

Figure 2 is a side view of my trace-carrier.

A represents a ring of suitable dimensions, provided with four arms, B B, radiating from the center at equal distances apart, forming four segments, or rather openings, in which the back-strap C, crupper D, and hip-straps E E are secured.

From the center of the ring A, where the arms B B join together, rises a post, G, provided with a head, H.

The cock-eye, which is always put on long-tug harness, will be slipped over this post when the horse or horses are loose from the wagon.

The post G may be either stationary or hinged, as shown in fig. 2. The hinged post would be preferable, as then, if the horse should roll with the harness on, there would be but little danger of breaking the post.

Having thus fully described my invention,

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

The ring A, provided with the radial arms B, from the center-plate of which is a hinged or stationary post, G, provided with the cross-bar H, all constructed as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of April, 1870.

ROBERT PORTER.

Witnesses:

R. J. REEVES,
JOHN B. ENNIS.