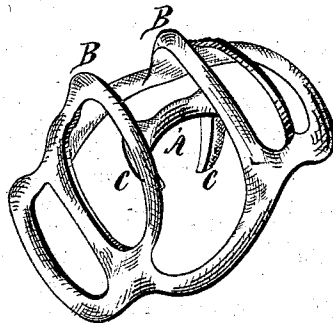


R. H. WARRINER.

Trace-Carriers.

No. 135,951.

Patented Feb. 18, 1873.



Witnesses
W. D. Newman
M. R. Hopkins

Inventor
Reuben H. Warriner
Per Leggett and Leggett
Atty.

UNITED STATES PATENT OFFICE.

REUBEN H. WARRINER, OF TOLEDO, OHIO.

IMPROVEMENT IN TRACE-CARRIERS.

Specification forming part of Letters Patent No. **135,951**, dated February 18, 1873.

To all whom it may concern:

Be it known that I, REUBEN H. WARRINER, of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Trace-Carriers; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in trace-carriers. It consists in an upper connection of the two lateral portions by means of a cross-bar, or other suitable contrivance, by which the reins of the harness are prevented from entanglement.

In the drawing, Figure 1 is a view in perspective of a trace-carrier embracing my invention.

A is a bar or cross-piece connecting the upper portions of the two lateral parts B B. Heretofore trace-carriers have been constructed without this cross-piece A, and have,

therefore, been defective on account of the reins or lines of the harness falling between the lateral portions B B and becoming entangled at the hooks C C. It is clearly to be seen that this defect will be completely obviated by bridging over between the lateral portions B B, as I have done.

I do not limit myself to a single connecting-bar, or to any particular design, in thus connecting the upper portions B B.

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

In a trace-carrier, the connection A uniting the lateral portions of said trace-carrier, and forming a continuous upper surface to the same, substantially as and for the purpose shown.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of December, 1872.

REUBEN H. WARRINER.

Witnesses:

DAVID EMERICK,
H. A. WEEMAN.