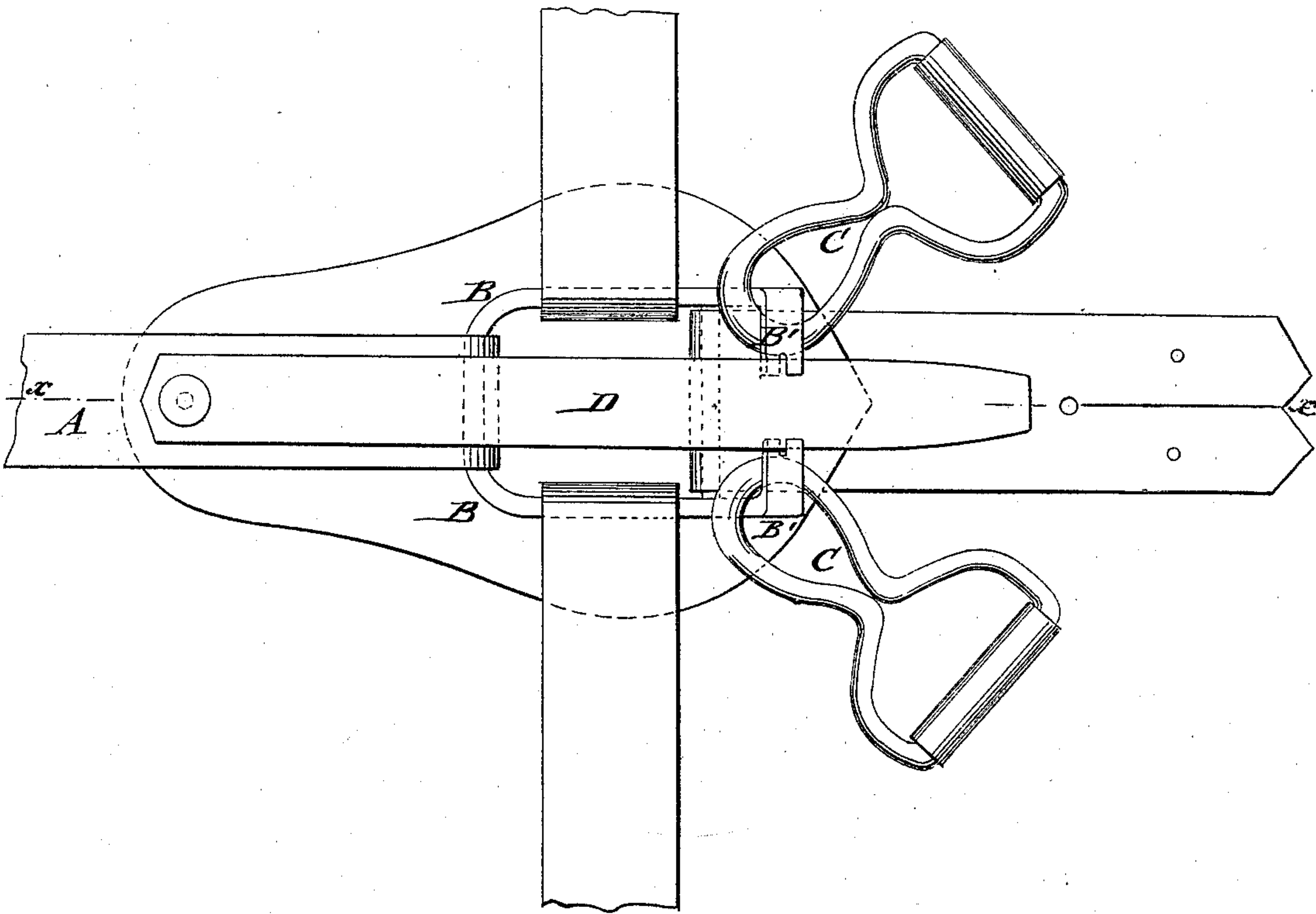


C. C. SCHWANER.  
Trace-Carriers.

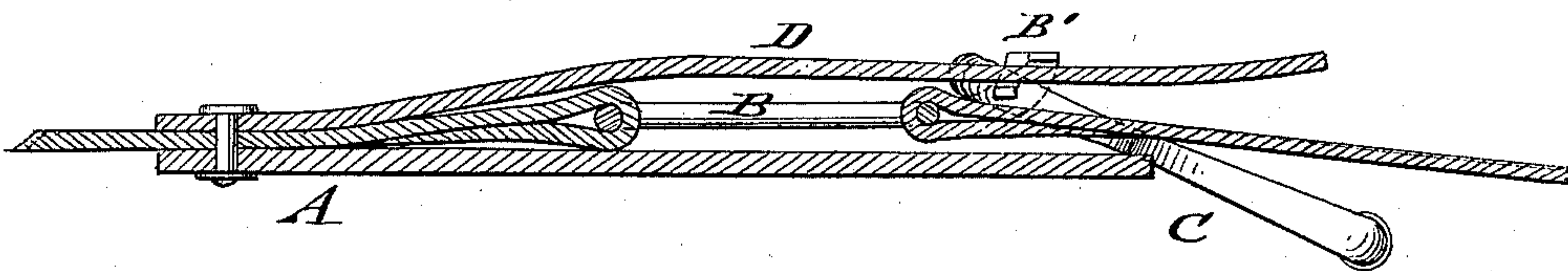
No. 199,748.

Patented Jan. 29, 1878.

*Fig. 1*



*Fig. 2*



WITNESSES:

*C. Neveu*  
*J. H. Scarborough.*

INVENTOR:

*C. C. Schwaner.*

BY

*Mumford*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHRISTIAN C. SCHWANER, OF WINTERSET, IOWA.

## IMPROVEMENT IN TRACE-CARRIERS.

Specification forming part of Letters Patent No. **199,748**, dated January 29, 1878; application filed November 20, 1877.

*To all whom it may concern:*

Be it known that I, CHRISTIAN C. SCHWANER, of Winterset, in the county of Madison and State of Iowa, have invented a new and Improved Trace-Carrier, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a top view, and Fig. 2 a vertical longitudinal section on line *x x*, Fig. 1, of my improved trace-carrier.

Similar letters of reference indicate corresponding parts.

This invention is intended to furnish a simple and reliable trace-carrier for harness that effectually prevents the cockeyes of the traces from getting detached, and is so arranged that the lines or tail cannot catch on it, while the traces may be quickly taken out of the carrier when they are to be applied to the whiffletrees.

The invention consists of a trace-carrier of the back-strap, made with a loop-shaped extension, into the open end of which the cockeyes are inserted and retained by a leather strap passed in so as to close the open end of the loop.

Referring to the drawing, A represents the back-strap; B, the loop-shaped trace-carrier, that is secured to the back-strap and arranged to carry the side straps and crupper-strap.

The trace-carrier is formed by extending the sides of the loop back of the cross-bar to which the crupper-strap is applied, or in front of the loop, and bending these extensions B' inwardly at right angles to the sides, so as to leave a center opening of sufficient width for inserting the cockeyes C of the traces.

The inner ends of the extensions B' are bent down, or the ends recessed, so as to bear

on a closing-strap, D, that is either passed through below the ends or through the recesses of the same. The bent-down or recessed ends allow the use of a thin strap that is easier handled than a thick heavy strap, that would fill up the entire space between the crupper-strap and loop ends.

The strap D serves to close the loop ends in a reliable manner, so as to prevent the detaching of the cockeyes until the strap is withdrawn. When the strap is withdrawn the cockeyes are readily unhooked from the carrier and the traces applied to the whiffletrees for use. The traces are thus, by the use of the loop ends and straps, secured and carried in reliable manner while being removed from the whiffletrees, without being shaken loose or otherwise detached, so as to form a convenient and useful attachment to the harness.

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

1. The combination, with the closed loop of the back-strap, having angular extensions and an opening to allow the cockeyes to be hooked upon them, of a closing-strap for retaining the cockeyes and forming a trace-carrier, substantially as and for the purpose set forth.

2. The combination of the closed back-strap loop, having angular rear extensions with bent down or recessed ends, with a closing-strap adapted to be inserted below the bent or into the recessed ends, substantially as described.

CHRISTIAN CASPAR SCHWANER.

Witnesses:

JAMES COLLIE,

JAMES SCOTT POLK.