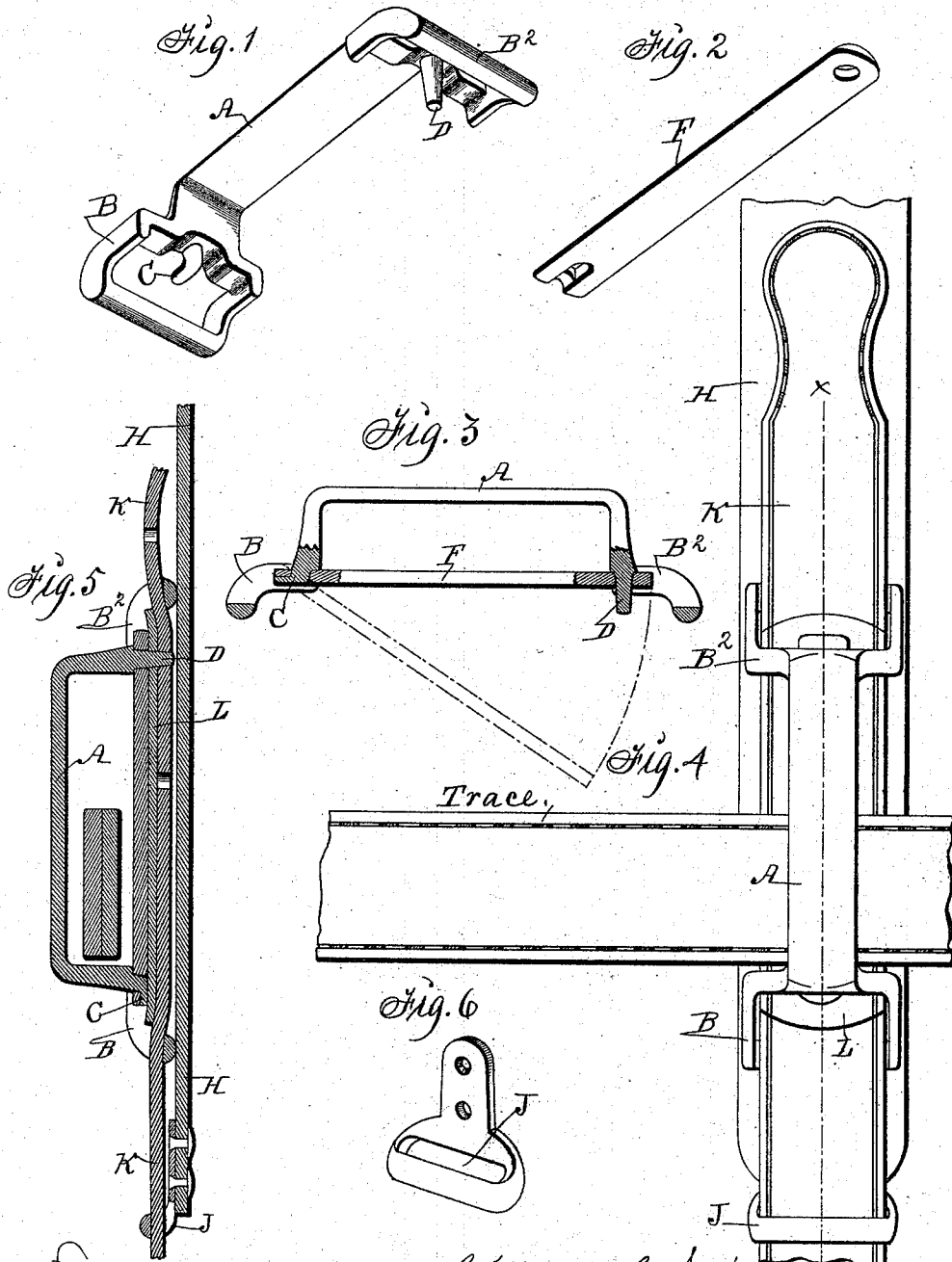


(No Model.)

C. C. SCHWANER.
TRACE CARRIER.

No. 530,356.

Patented Dec. 4, 1894.



Witnesses:
W. J. Sankey,
R. H. Orwig.

Inventor: Christian C. Schwaner,
By Thomas C. Orwig, Attorney.

UNITED STATES PATENT OFFICE.

CHRISTIAN CASPER SCHWANER, OF WINTERSSET, IOWA.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 530,356, dated December 4, 1894.

Application filed May 14, 1894. Serial No. 511,250. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN CASPER SCHWANER, a citizen of the United States of America, residing at Winterset, in the county of Madison and State of Iowa, have invented a new and useful Trace-Carrier and Harness Attachment, of which the following is a specification.

My object is to facilitate attaching and improving the efficiency of a metal loop adapted to be detachably and adjustably connected with the saddle or backband of a harness to support a trace at a suitable elevation relative to a horse.

My invention consists in the metal loop formed in parts and combined with a harness as hereinafter set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing the main part of my device adapted for detachably connecting the minor part therewith, as required for practical use, without the use of any extraneous fastening device. Fig. 2 is a perspective view of the minor part in the form of a straight flat-faced bar adapted to be connected with the main part. Fig. 3 is a side view showing the two parts connected and portions of each part broken away to show their connection. Fig. 4 is a face view of a portion of a harness showing my metal trace-support connected therewith and a portion of a trace extended therethrough as required in practical use. Fig. 5 is a longitudinal sectional view through the line $x-x$ of Fig. 4. Fig. 6 is a perspective view of a metal loop adapted to be riveted fast to the end of a leather strap, as shown in Fig. 5, to receive the end of an overlying strap that is fixed to the harness at its top and to which my metal trace support is connected.

In the drawings the part marked A is the main portion of the metal loop adapted to admit and support a trace.

B and B² are auxiliary integral loops at its ends adapted to admit a leather strap to be extended therethrough.

C is an integral hook at the center and base of the loop B, and D is a straight tongue at the base of the loop B², and jointly these projections are adapted for detachably connecting the minor part of my complete device which consists of a metal bar F that has a cavity in one end and a perforation inter-

secting the cavity in such a manner as to admit the hook C to extend even with the surface of the bar F, as clearly shown in Fig. 3. A perforation at the other end of the bar F admits the tongue D as shown.

H represents a leather strap depending from a backband or saddle of a harness to which a metal loop J is fixed at its bottom.

K is a leather strap fixed at its top end portion to the strap H to depend and overlie that strap and to project through the loop J as clearly shown in Fig. 5.

To attach my complete device to the harness I pass the free end of the strap K through the loops B and B² and the tongue D through one of a series of perforations therein and then pass its free end through the loop J fixed to the lower end of the strap H.

L, shown in Fig. 5, represents a short leather strap placed on the tongue D and between the metal bar F and the leather K to protect the edge portion of said strap from friction and wear of the trace extended through the metal trace-supporting loop.

Having thus described my invention and the manner of its application and practical use and advantages, what I claim, and desire to secure by Letters Patent therefor, is—

1. A metal loop and trace carrier comprising two parts detachably connected and consisting of a main part that has integral auxiliary loops at its end portions, in right angled position thereto, and an integral hook at the base of the one loop and a straight tongue at the base of the other of said auxiliary loops, and a bar having a cavity and perforation at one end of the bar to admit the said hook and a perforation at the other end to admit the said tongue, in the manner set forth, for the purposes stated.

2. A metal trace support consisting of a main part A having a loop B and hook C at one end and a loop B² and tongue D at the other end, and a metal bar F having perforations at its ends to admit said hook and tongue, in combination with a harness strap H having a fixed loop J at its lower end, and a leather strap K having perforations to admit the said tongue D for the purposes specified.

CHRISTIAN CASPER SCHWANER.

Witnesses:

PETER TURNER,
F. B. HORTON.