

(No Model.)

A. C. JUDSON.
TRACE CARRIER.

No. 322,380.

Patented July 14, 1885.

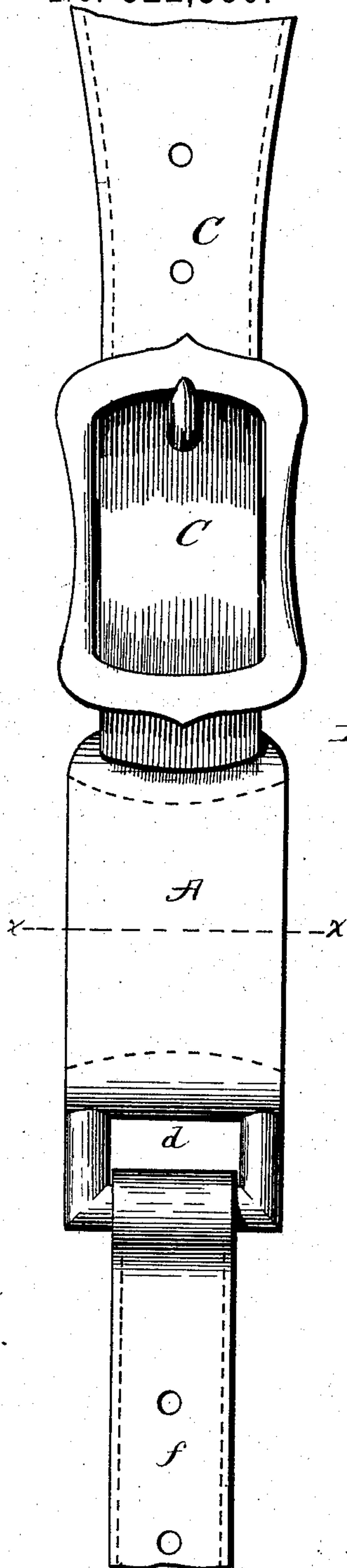


Fig. 1.

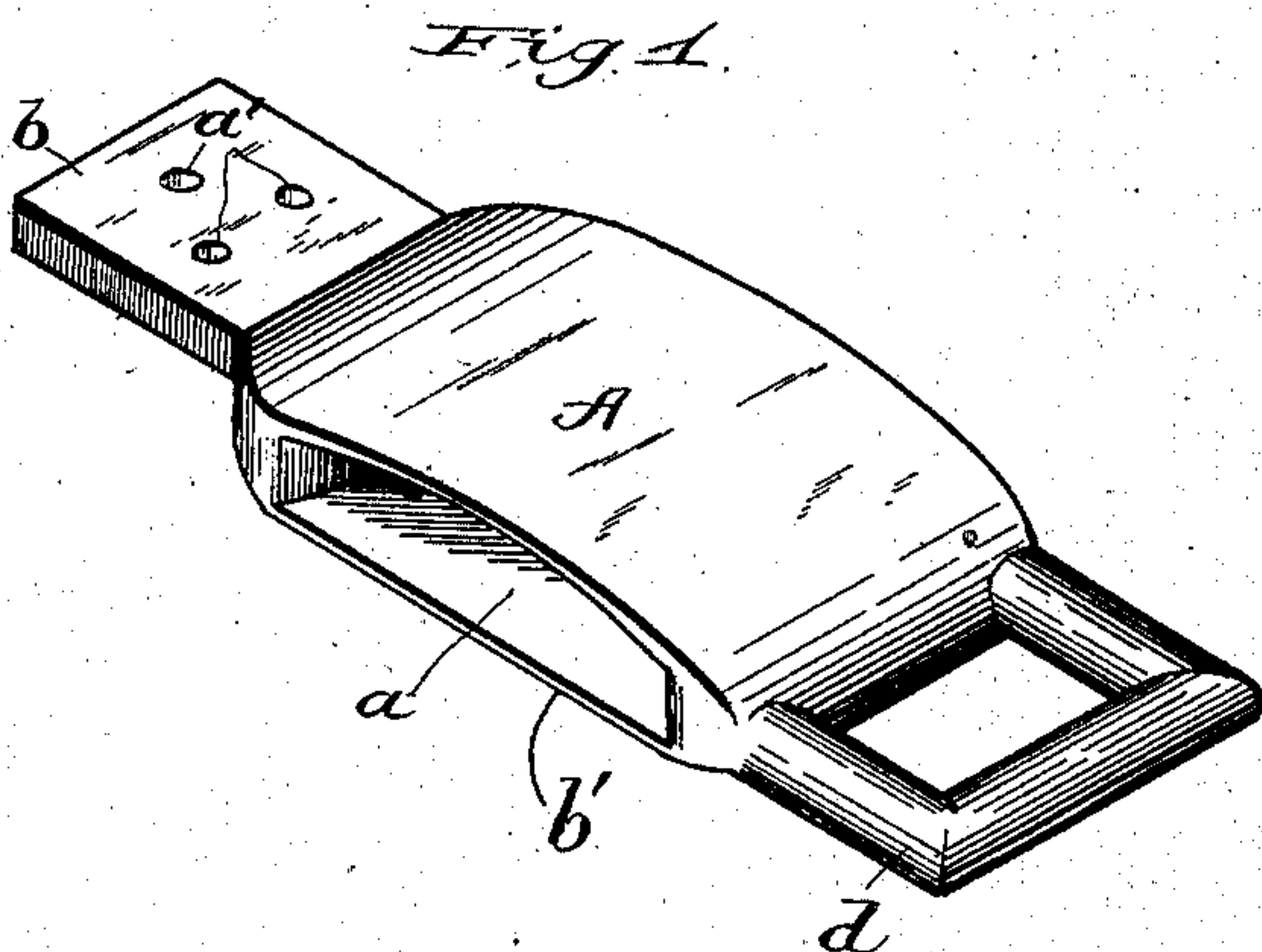


Fig. 2.

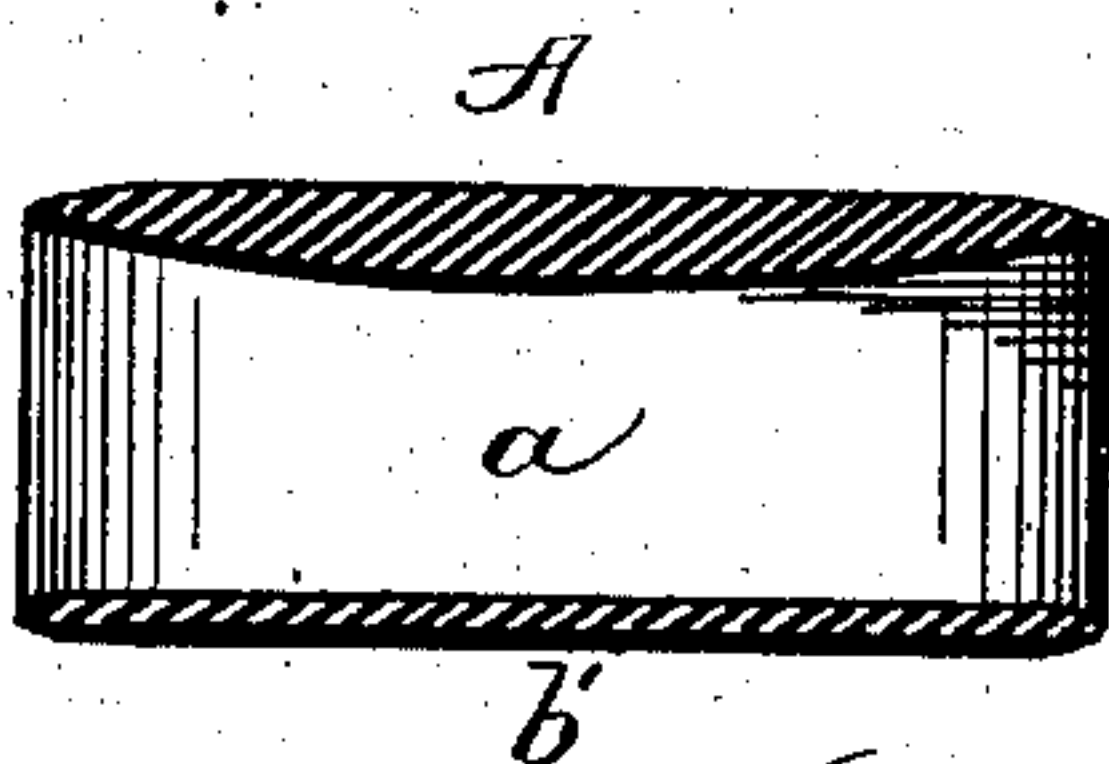


Fig. 3.

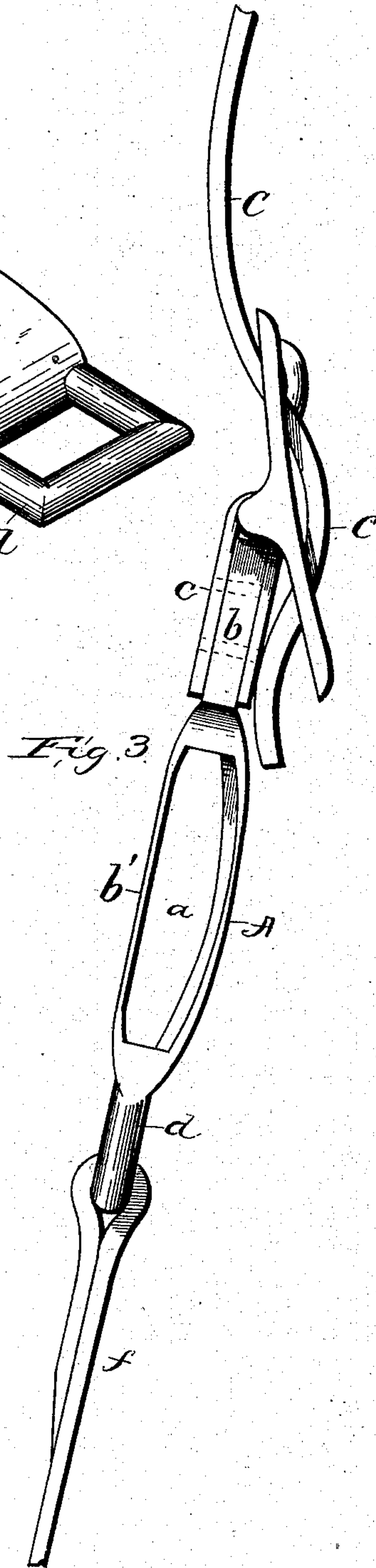


Fig. 4.

Witnesses:

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UNITED STATES PATENT OFFICE.

ALFRED C. JUDSON, OF FLOYD, IOWA.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 322,380, dated July 14, 1885.

Application filed April 17, 1885. (No model.)

To all whom it may concern:

Be it known that I, ALFRED C. JUDSON, a citizen of the United States of America, residing at Floyd, in the county of Floyd and State of Iowa, have invented certain new and useful Improvements in Trace-Carriers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention consists of an adjustable trace-carrier having a central tapered opening to receive and carry a trace, and provided on its upper portion with a neck-piece having rivet-holes for attaching to the neck-piece a buckle-loop, and having on its lower portion an eye for attaching to the carrier an under strap.

The carrier, its neck-piece, and strap-eye are all formed of one piece of metal or other suitable material, as hereinafter fully set forth and as claimed.

In the drawings, Figure 1 is a perspective view of the trace-carrier detached. Fig. 2 is a front elevation of the trace-carrier and its connecting buckle and straps. Fig. 3 is a side elevation of the carrier and its connecting buckle and straps. Fig. 4 is a cross-section on line *xx* of Fig. 2.

A designates the body of the trace-carrier, provided with the central opening, *a*, constructed to receive loosely a trace. The upper portion of the carrier is provided with a neck-piece, *b*, having holes *a'* to receive the rivets by which the buckle-loop *c* is fastened to the neck-piece. The lower portion of the carrier is provided with an eye, *d*, to which is attached the under strap, *f*.

C designates the support buckle-strap provided with a series of holes for holding and adjusting the carrier vertically to suit a horse of any size.

My improved trace-carrier may be made of any suitable material, preferably of metal. The body, neck-piece, and strap-eye are all formed of one piece. The central opening is made large enough to receive loosely any size trace which may be used with the carrier; and this opening is flared from the center outward, as shown in dotted lines in Fig. 2 and in cross-section by Fig. 4. This flaring shape of the opening is for the purpose of avoiding friction and wear upon the trace. The under side, *b'*, of the carrier is made thin, smooth, and flat, and its under surface is extended beyond the surface of the neck-piece and strap-eye for the purpose of forming an easy bearing to the carrier and to prevent rubbing and friction upon the inner surfaces of the buckle-loop and the under-strap loop. This carrier allows free play to the trace with the least possible pressure upon the horse's side or friction upon the trace, and it is readily adjusted vertically to suit a horse of any size.

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

The trace-carrier having the opening *a* flared outward from the center, and provided on its upper portion with the perforated neck-piece *b*, adapted to be fastened to the buckle-loop *c*, and having the lower strap eye, *d*, and the inner thin flat side, *b'*, extended inwardly beyond the surface of the neck-piece and strap-eye, substantially as and for the purposes described.

In testimony whereof I affix my signature in presence of two witnesses.

ALFRED C. JUDSON.

Witnesses:

A. H. MERRIMAN,
N. J. LAMPHERE.