

No. 697,340.

Patented Apr. 8, 1902.

F. HENDRICKS & W. F. KOHL.  
WHIFFLETREE COUPLING.

(Application filed Feb. 6, 1902.)

(No Model.)

FIG. 1 -

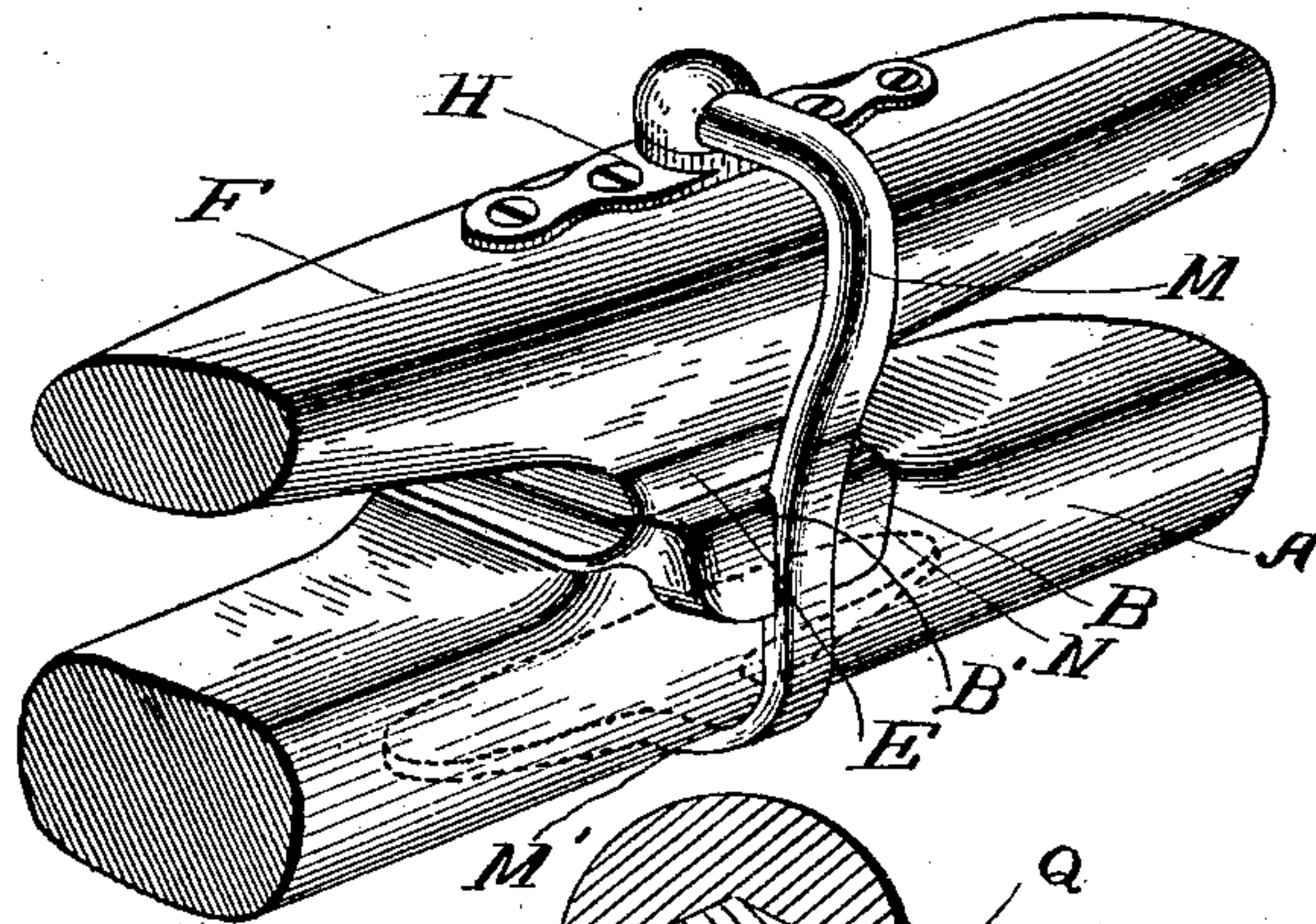
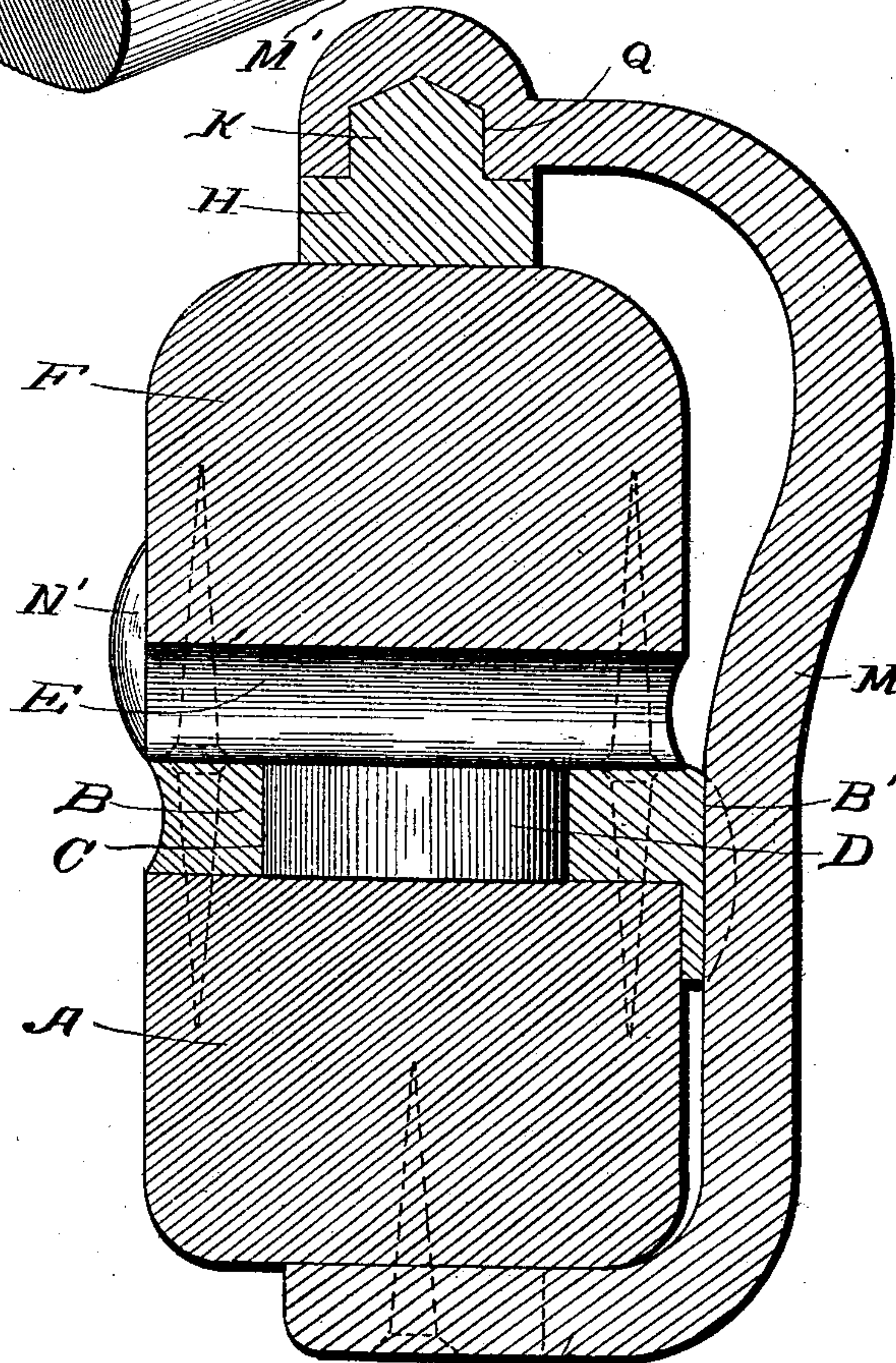


FIG. 2 -



Witnesses

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# UNITED STATES PATENT OFFICE.

FERDINAND HENDRICKS AND WILLIAM F. KOHL, OF MASON, OHIO.

## WHIFFLETREE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 697,340, dated April 8, 1902.

Application filed February 6, 1902. Serial No. 92,830. (No model.)

*To all whom it may concern:*

Be it known that we, FERDINAND HENDRICKS and WILLIAM F. KOHL, citizens of the United States, residing at Mason, in the county of Warren and State of Ohio, have invented certain new and useful Improvements in Whiffletree-Couplings; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in whiffletree-fastenings; and it consists in the provision of a spring-clevis which is adapted to hold the whiffletree to the pole or shaft of a vehicle without the use of a bolt passing through the shaft or whiffletree, means being provided to hold the spring-clevis from lateral movement by said clevis engaging a recess in the edge of one of the bearing-plates, which is interposed between the shaft and whiffletree and which plate is recessed to receive a lug carried by a plate which is fastened to the adjacent face of the whiffletree, a lug-bearing plate being provided on the outer face of the whiffletree, which is designed to be seated in the socket formed at the end of the clevis.

The invention relates, further, to various details, construction, and arrangement of parts, as will hereinafter be more fully described and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings similar letters of reference indicating like parts in the several views, in which—

Figure 1 is a perspective view of our invention; and Fig. 2 is a vertical cross-sectional view through the whiffletree and cross-bar, the clevis being shown in longitudinal section.

Reference now being had by details of letters, A designates a shaft, having a socket-plate B fastened to its upper face, which plate is centrally apertured, as at C, and forming a socket to receive the lug D, which is formed integral on the face of the plate E, which is

fastened in any suitable manner to the under face of the whiffletree F. On the rear edge of said plate B is a recess B', and on the upper edge of the whiffletree is a plate H, fastened thereto, which plate is provided in an integral lug K. The edges of said plate B and E are flanged, as at N and N', respectively, said flange adapted to engage over the opposite faces, respectively, of the shaft and whiffletree, as shown.

M designates a spring-clevis, which has a flanged portion M' at right angles to the length of the clevis, and which flanged portion is adapted to be fastened to the under surface of the shaft carrying the whiffletree. The upper end of the clevis, which is curved forwardly and adapted to overhang the whiffletree, is provided with a socket Q, which when said clevis is sprung over the whiffletree is adapted to receive the lug K on the plate secured to the upper face of the whiffletree. When the parts are thus secured together by means of a flexible clevis springing over said lug and held in the recess B' in the projecting portion N on the plate B, the whiffletree will be securely held in place and without the use of a bolt passed through the whiffletree, thus increasing the strength of the latter.

We are aware of the fact that it is common in the art to make clevises which are adapted to hold the singletree to the shaft or evenner without the use of a bolt which passes through an aperture in the singletree, and we do not make any claim for such a construction.

Having thus described our invention, what we do claim as new, and desire to secure by Letters Patent, is—

1. A whiffletree-fastening comprising a socket-plate fastened to the shaft or evenner of a vehicle and provided with a recess in its rear edge, a plate secured to the under face of a singletree and having a projected portion which is swiveled in said socket-plate, a lug-carrying plate secured to the upper surface of the singletree, and a spring-clevis fastened at its lower end to the shaft or evenner and having a socket member at its upper end adapted to spring over said lug on the upper surface of the singletree, said clevis adapted to engage in the recess in the edge of the socket-plate, as set forth.

2. A fastening for singletrees comprising in combination with the shaft or evenier, a socket-plate having a flange extending over one edge of the shaft, the outer face of said  
5 flange being recessed, a swiveled plate fastened to the under surface of the singletree and provided with a flanged edge extending about the edge of the singletree, a lug on said swiveled plate seated in said socket, a plate  
10 fastened to the upper face of the singletree and having a lug, a spring-clevis fastened at its lower end to the under face, the upper end of said clevis having a socket which is adapted to spring over the lug on the plate fastened to the upper face of the singletree, the  
15 shank of said clevis adapted to rest in said recessed flange to hold same from lateral movement, as set forth.

In testimony whereof we hereunto affix our signatures in presence of two witnesses.

FERDINAND HENDRICKS.  
WILLIAM F. KOHL.

Witnesses:

ALBERT FIBLE,  
CHARLES H. SPUHLER.