

M. J. Palmer.

Coupling for Whiffle-Trees.

N^o 72888

Patented Dec. 31, 1867.

Fig. 3.

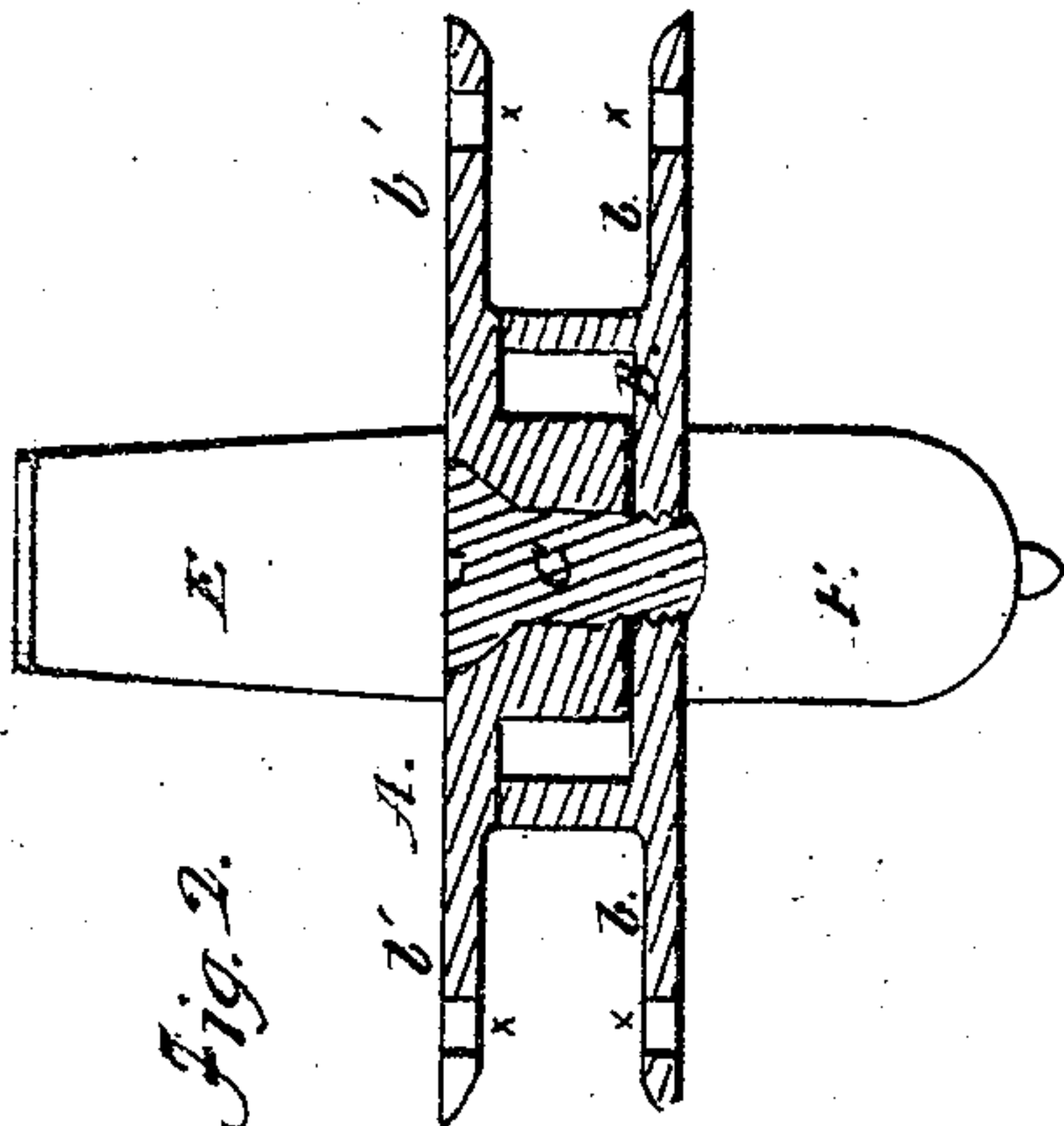
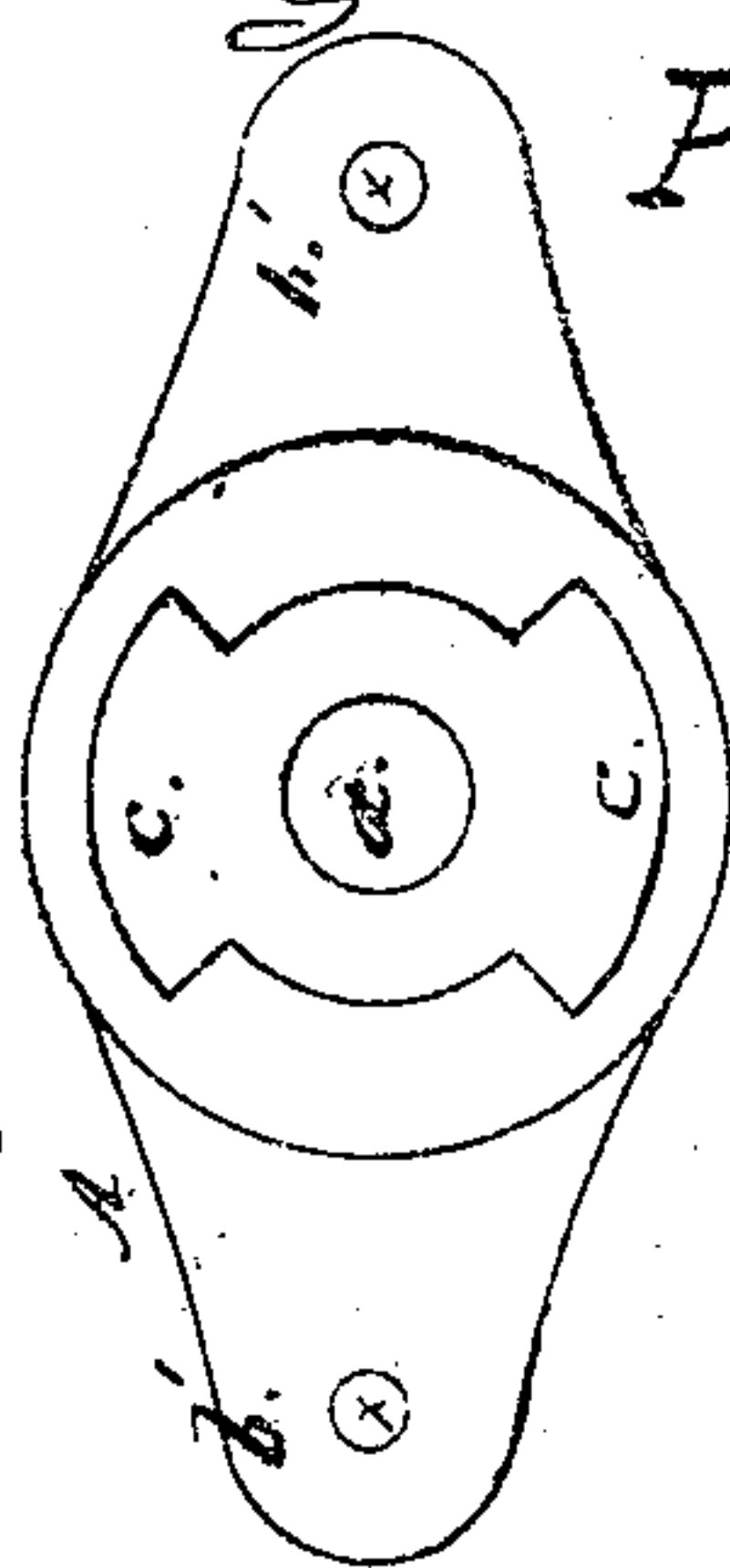


Fig. 2.

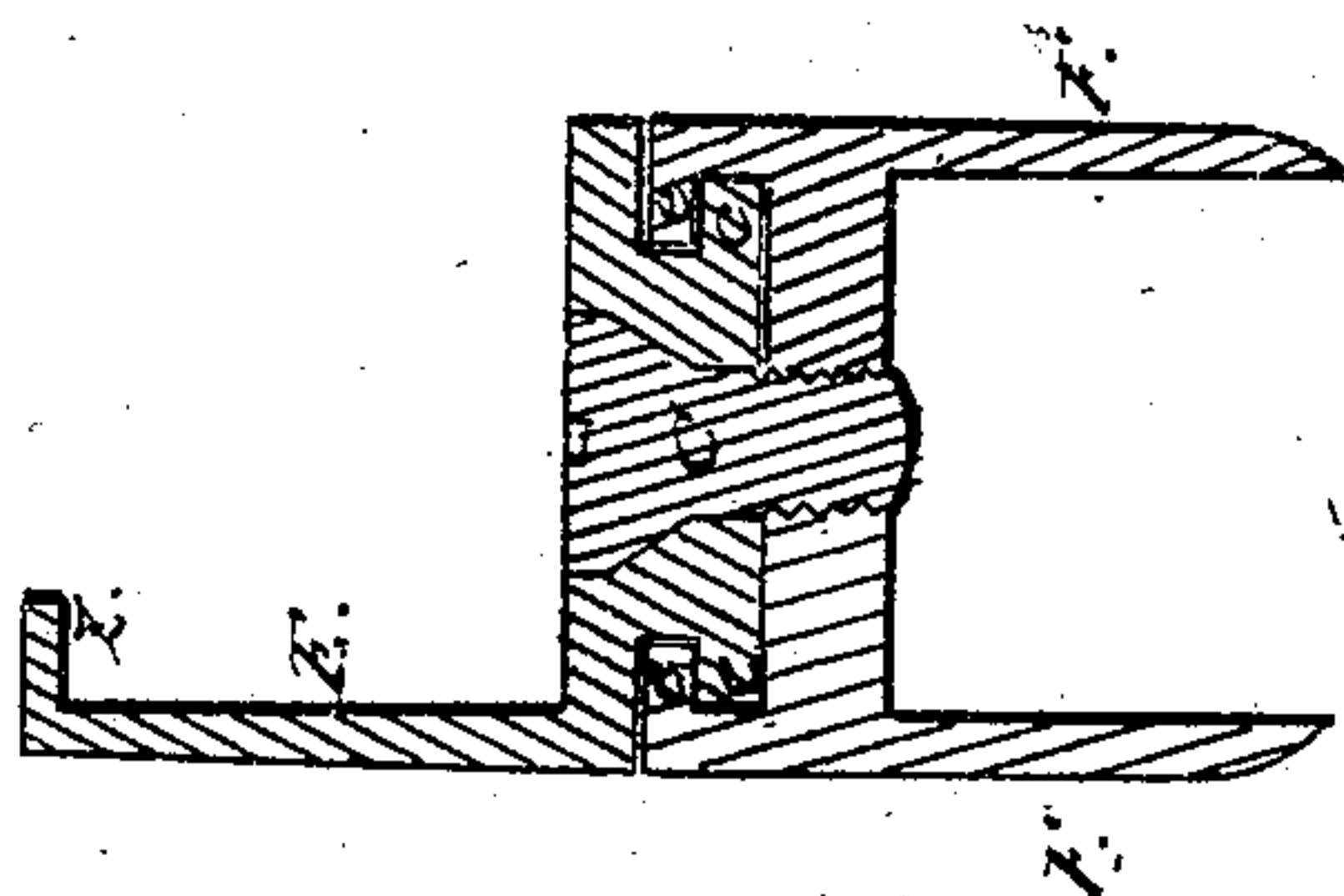
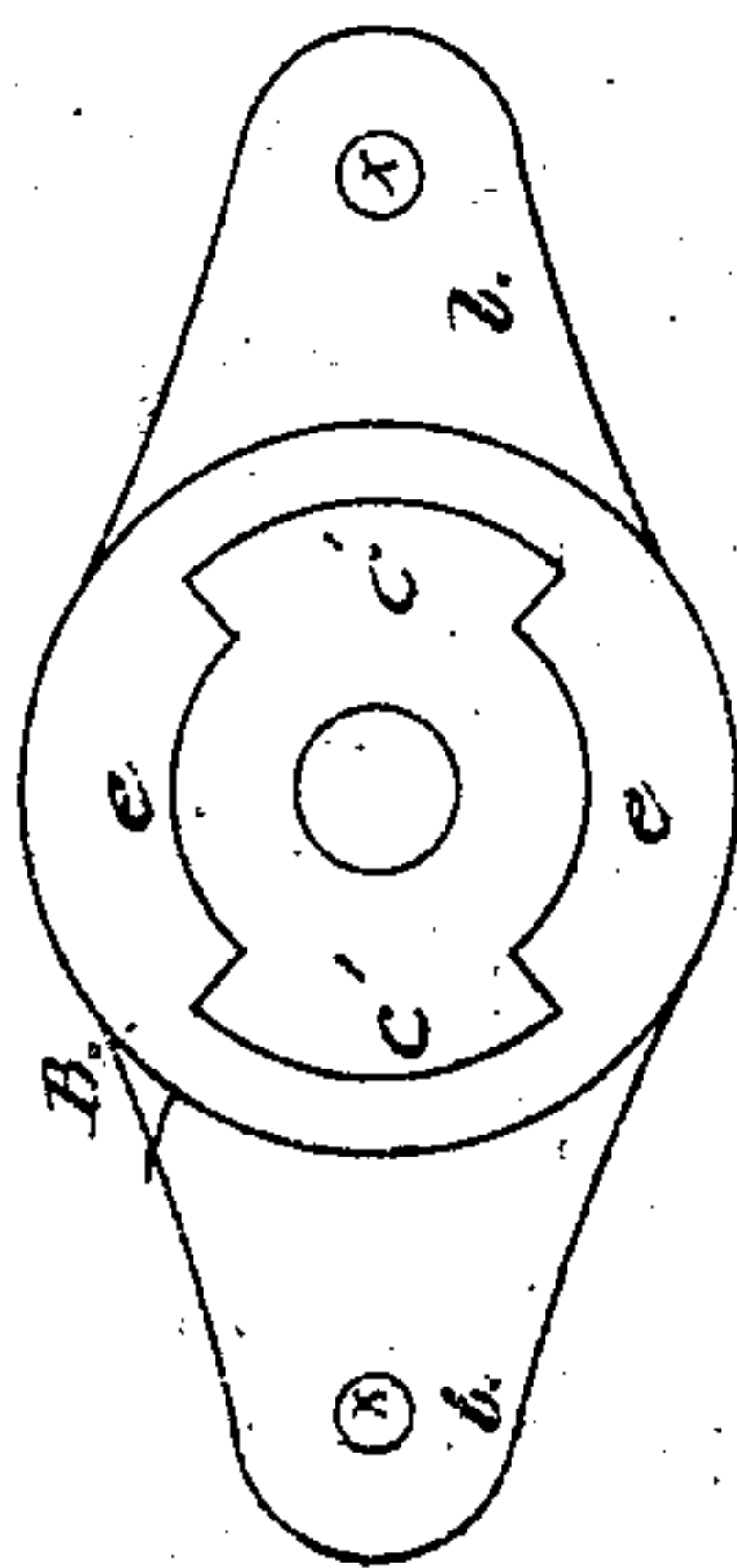


Fig. 4.

Fig. 1.



Witnesses

A. M. Marr
V. D. Stockbridge

Inventor;

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per

Alexander Mason
Atty.

United States Patent Office.

MILTON J. PALMER, OF SYRACUSE, NEW YORK.

Letters Patent No. 72,888, dated December 31, 1867; antedated December 24, 1867.

IMPROVEMENT IN COUPLING FOR WHIFFLE-TREES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, MILTON J. PALMER, of Syracuse, in the county of Onondaga, and in the State of New York, have invented certain new and useful Improvements in Coupling for Vehicles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention is intended to connect the whiffle-tree to the cross-piece of the vehicle-shaft, and is composed of two parts, A and B, connected by a screw, C, passing through an opening made in the centre of each. The casting A is so formed as to have a flange at each end *b' b'*, having openings *x x* for connecting it to the cross-piece, and an arm, E, at the front part, with a shoulder, *z*, formed upon its extremity. The collar upon the upper plate of this casting has two segments formed upon it, *c c*, which are opposite each other, and with a small space or groove left between them and the plate itself. B represents the other portion of the coupling, which is formed of a plate, with flanges *b b*, somewhat similar to the part A. This section has a socket formed at its under side, with two projections, *e e*, formed somewhat in shape to correspond with the segments on the section A, so that when the said section is inserted into the section B, and turned half way around, they are held in their proper positions by means of their segments and projections. In Figure 4 the two sections are shown connected together. Either part or section may be used for the top or bottom, and when connected to the whiffle-tree and cross-bar, or other suitable part of the vehicle, they form a neat and durable coupling.

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

The sections A and B, with their respective flanges *b b'*, ears E E, arm F, segments *c c*, and projections *e e*, when constructed and used in the manner and for the purposes specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 31st day of March, 1867.

MILTON J. PALMER.

Witnesses:

C. M. ALEXANDER,
J. M. MASON.