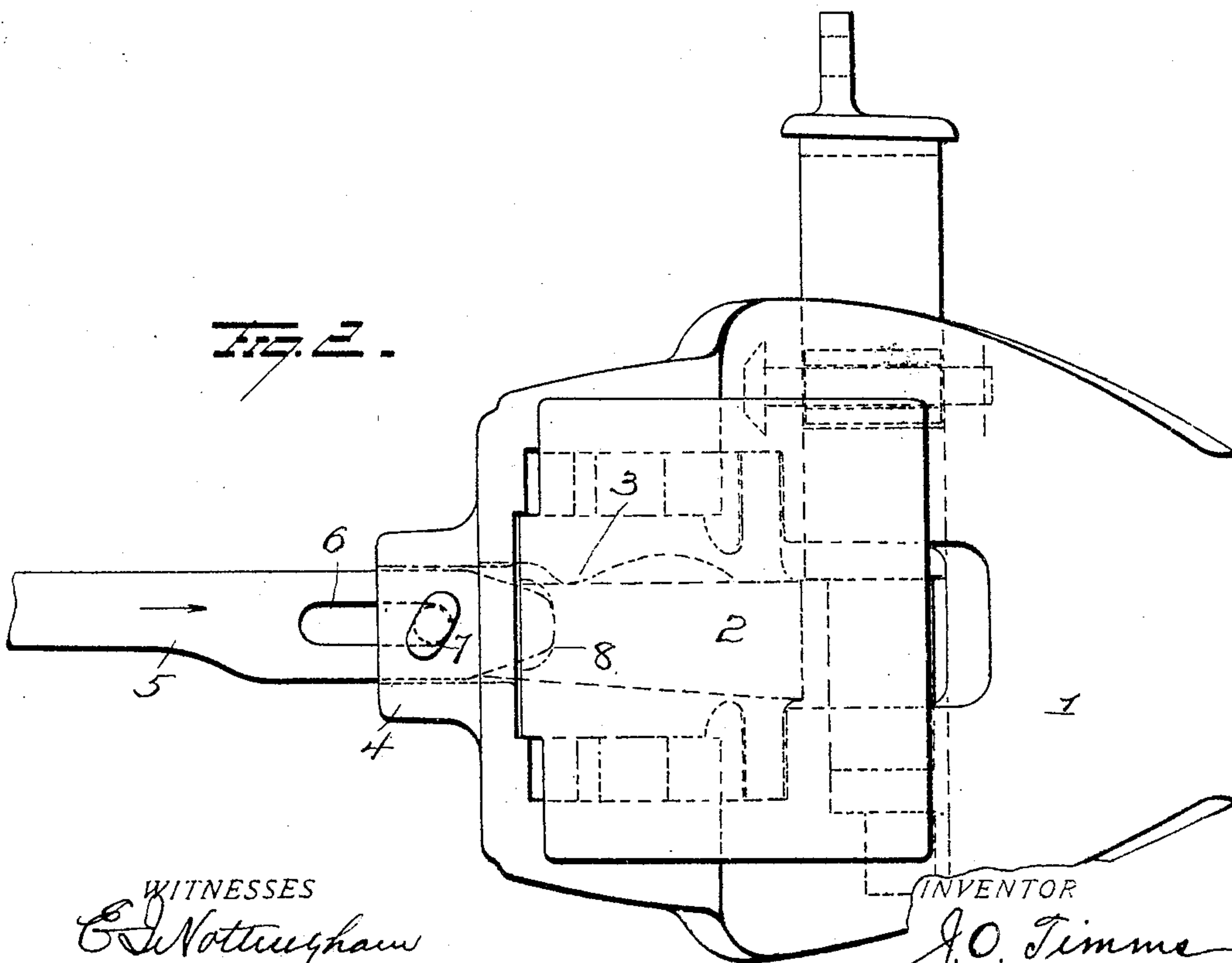
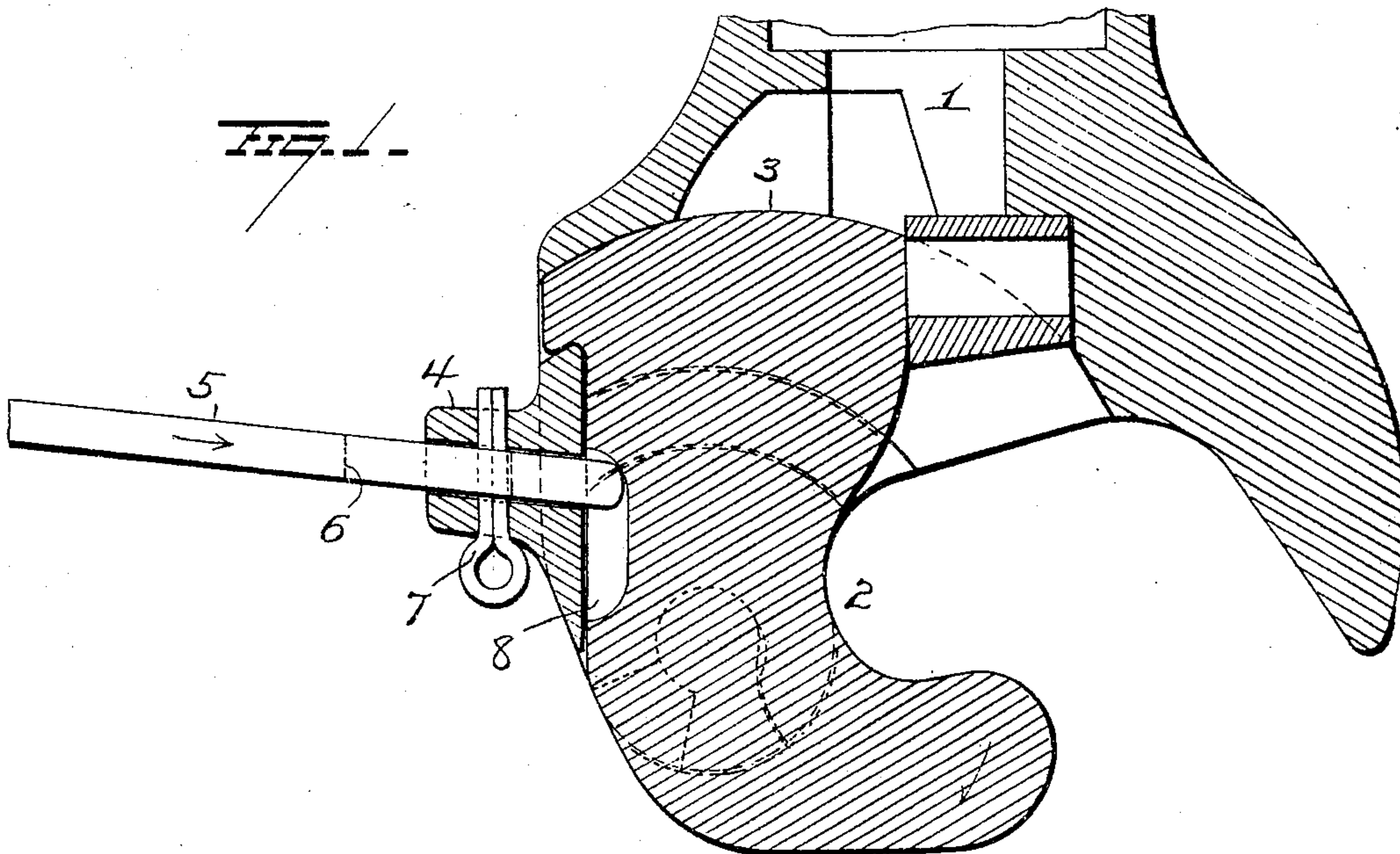


No. 803,730.

PATENTED NOV. 7, 1905.

J. O. TIMMS.  
COUPLING.

APPLICATION FILED JULY 6, 1905.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

JAMES O. TIMMS, OF COLUMBUS, OHIO.

## COUPLING.

No. 803,730.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed July 6, 1905. Serial No. 268,500.

*To all whom it may concern:*

Be it known that I, JAMES O. TIMMS, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Couplings; and I do hereby 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.

My invention relates to improvements in couplings, and more particularly to an improved attachment for throwing the knuckle open and also for moving the coupling laterally to properly position the same when coupling on a curve and the like, the object of the invention being to provide improvements of this character comprising a bar or rod independent of the knuckle-tail and having a limited movement in the coupling-head, said bar or rod adapted to extend to the side of the car to enable its manipulation without entering between cars.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in transverse section illustrating my improvements. Fig. 2 is a front face view of the coupling.

1 represents a coupling of any ordinary Janney type, having the pivoted knuckle 2, provided with a tail 3 at its inner end. The side wall of the coupling-head is made with an integral, preferably angular, sleeve 4 to receive my improved knuckle-opening bar or rod 5, which latter is made long enough to extend to the side of the car and has a longitudinal slot 6 to receive a cotter-pin 7 or other securing device across sleeve 4 to limit the movement of the bar or rod and secure the same to the coupling-head. The inner end of bar or rod 5, which projects into the head, is preferably contracted and rounded and is adapted to enter a dished or recessed portion 8 in the rear face of the knuckle-tail 3 and push the knuckle open when the latter has been unlocked.

The rod or bar 5 will not interfere in the

slightest with the closing of the knuckle, is in no way connected with the knuckle, and is supported by the coupling-head. It also serves the very important function of enabling the operator to move the coupling to one side to position the same for coupling in awkward places—as, for instance, on a curve—and can be applied to any ordinary Janney type of coupling.

A great many slight changes might be made in the general form and arrangement of the parts described, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination with a coupling-head and a pivoted knuckle therein, of a rod, rigid from end to end, attached to the coupling-head and having a limited movement through the wall thereof, whereby a longitudinal movement of said rod will position the coupling-head, or throw the knuckle open by the engagement of the free end of said rod with the tail of the knuckle.

2. The combination with a coupling-head, a knuckle pivoted therein, and a tail on the knuckle having a recess in its rear wall, of a rod or bar having limited movement through the wall of the head and projecting laterally therefrom, said rod or bar having a free rounded end to engage in the recess of the knuckle-tail and throw the knuckle open when the latter has been unlocked.

3. The combination with a coupling-head and a pivoted knuckle therein having a tail on its inner end, of a sleeve in the wall of the head, a rod or bar in said sleeve having a slot therein, and a pin through the sleeve and slot of the bar.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES O. TIMMS.

Witnesses:

L. BENTON TUSSING,  
LULU M. HEMPSTEAD.