

No. 659,877.

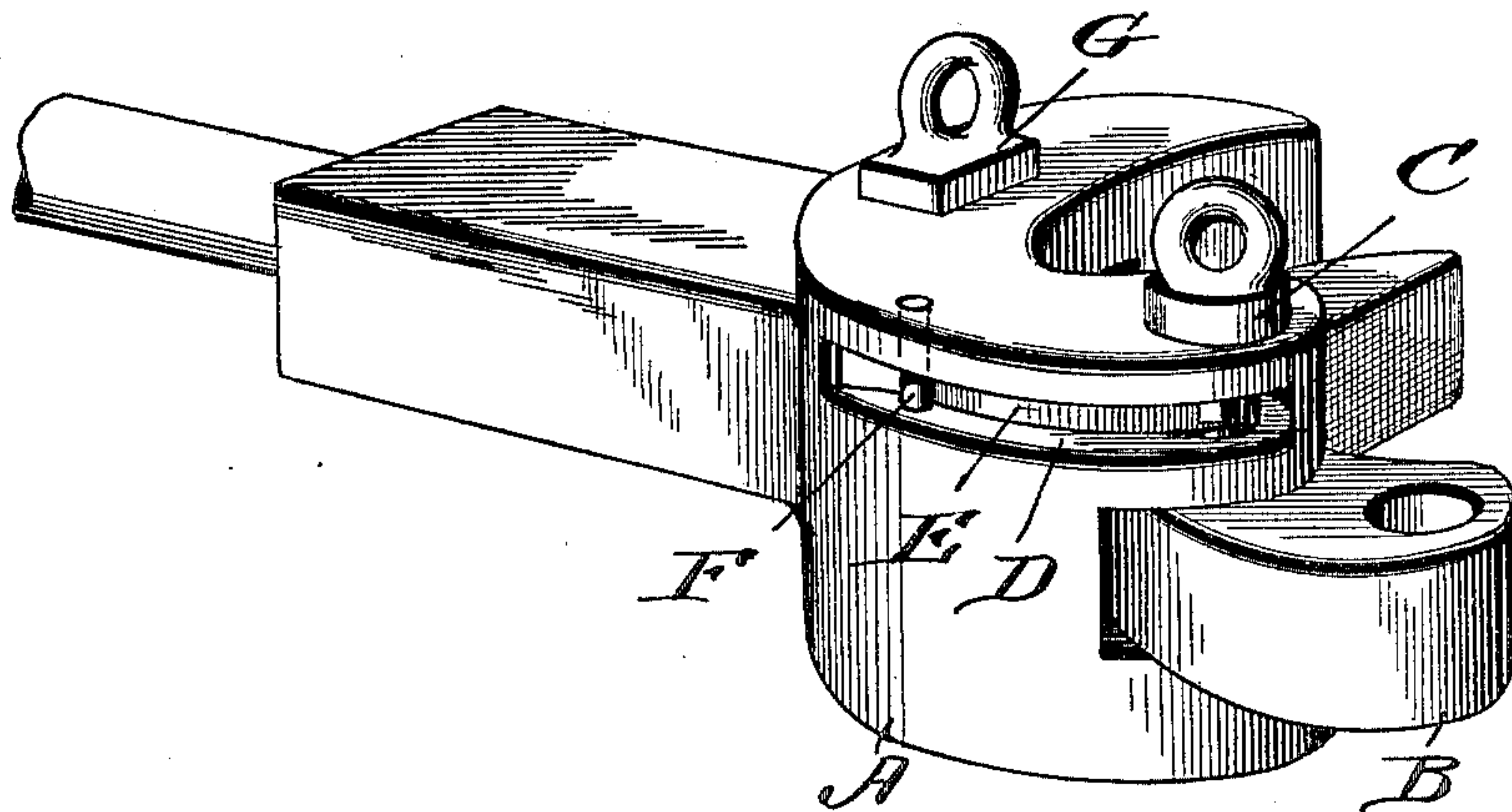
Patented Oct. 16, 1900.

J. A. SHUPING.  
CAR COUPLING ATTACHMENT.

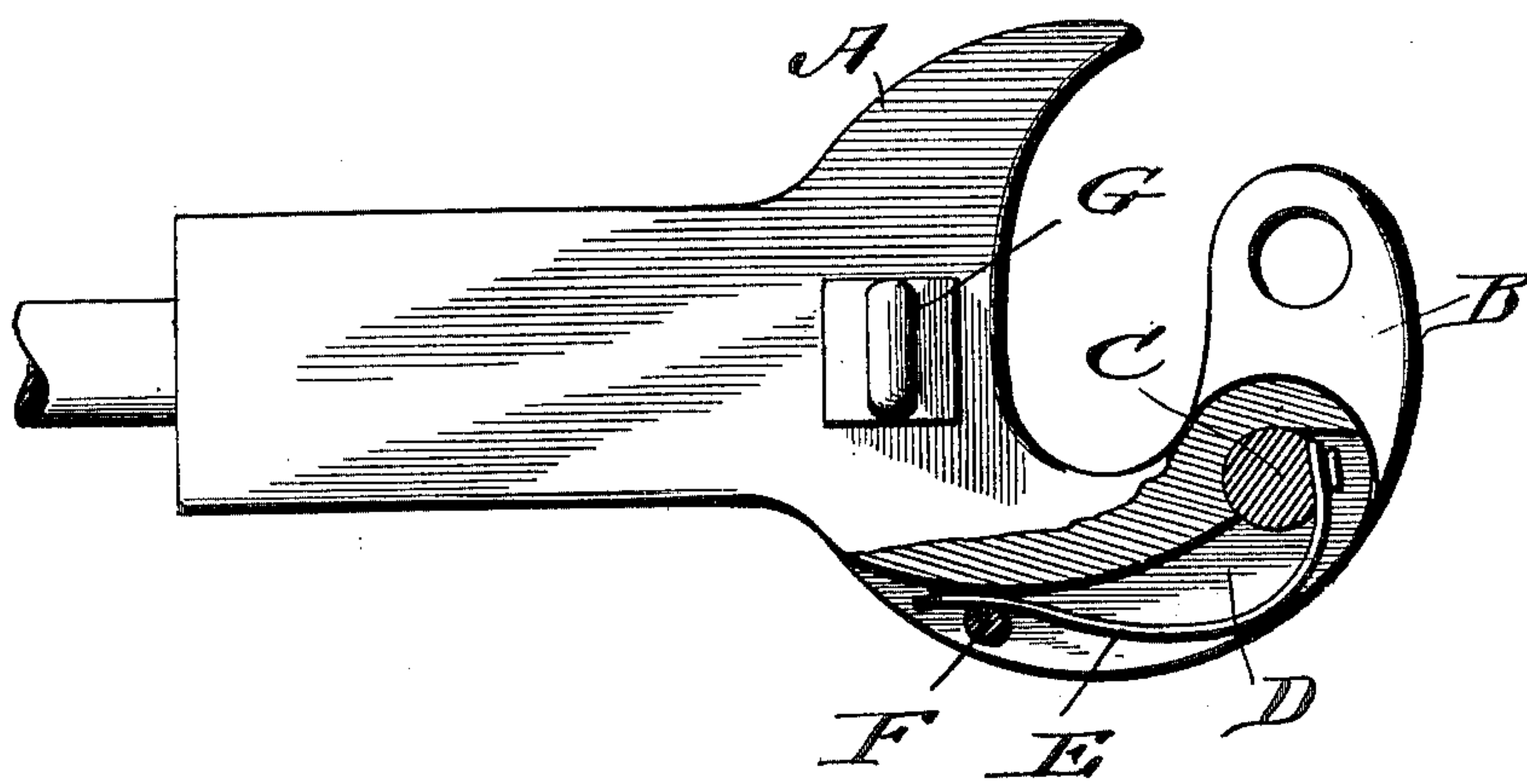
(Application filed June 12, 1900.)

(No Model.)

*Fig. 1.*



*Fig. 2.*



Witnesses

*W. L. Gleiden.*  
*Clarence Shaw*

Inventor

*J. A. Shuping,*  
*By Mearns & Co.*  
Attorneys

# UNITED STATES PATENT OFFICE.

JACOB A. SHUPING, OF MORGANTOWN, NORTH CAROLINA.

## CAR-COUPLING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 659,877, dated October 16, 1900.

Application filed June 12, 1900. Serial No. 20,067. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB A. SHUPING, a citizen of the United States, residing at Morgantown, in the county of Burke and State of North Carolina, have invented a new and useful Car-Coupler Attachment, of which the following is a specification.

This invention relates to an attachment for car-couplers, and the object is to provide a simple attachment which may be applied to the car-couplers now in general use for the purpose of automatically operating the knuckle when the same is released by the withdrawal of the coupling-pin, thereby obviating the necessity of a man going between the cars to operate the knuckle by hand.

The invention consists in the details of construction, which will be hereinafter fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of a draw-head, showing my improved attachment applied thereto, the knuckle or coupling-block being shown in its normal position. Fig. 2 is a plan view of the same partly in section, the knuckle being illustrated in its closed position.

Referring more particularly to the drawings, A designates the draw-head of a coupler of the "Janney" type, recessed to receive the knuckle or coupling-block B, which is pivoted thereto by the bolt C. Formed in the outer wall of the draw-head is a longitudinally-extending groove D, said groove intersecting the transverse opening formed in the draw-head for the bolt C. Secured at one end to the bolt is a spring E, which is positioned in said groove, being confined therein by a pin F, extending transversely through

the walls of said groove and against which the spring bears when the knuckle is held in its closed position by the coupling-pin G. As soon as the coupling-pin is withdrawn from the draw-head the spring forces the knuckle to its outward position, so that it is not necessary for a person to pass between the ends of the cars to operate said knuckle by hand, so that the coupling of the cars is rendered less dangerous than with the coupling as now constructed and used.

My attachment might be applied at small expense to any of the couplers of the Janney type now in use and without materially altering the draw-head.

I do not limit myself to the flat spring here shown, as a coiled or other form might be used without departing from the spirit of my invention.

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

1. In a car-coupler, the combination with the draw-head formed with a groove, and the knuckle and pivotal bolt thereof, of a spring attached to said bolt and positioned in said groove, and a pin extending transversely of said groove and confining said spring therein, substantially as described.

2. In a car-coupler, the combination with a draw-head formed with a longitudinally-extending groove, and the knuckle and pivotal bolt thereof, of a leaf-spring positioned in said groove and secured at one end to the bolt, substantially as described.

JACOB A. SHUPING.

Witnesses:

A. M. INGOLD,  
G. M. COLLETT.