

(No Model.)

P. SCHNEIDER.

THILL COUPLING.

No. 266,535.

Patented Oct. 24, 1882.

Fig. 1.

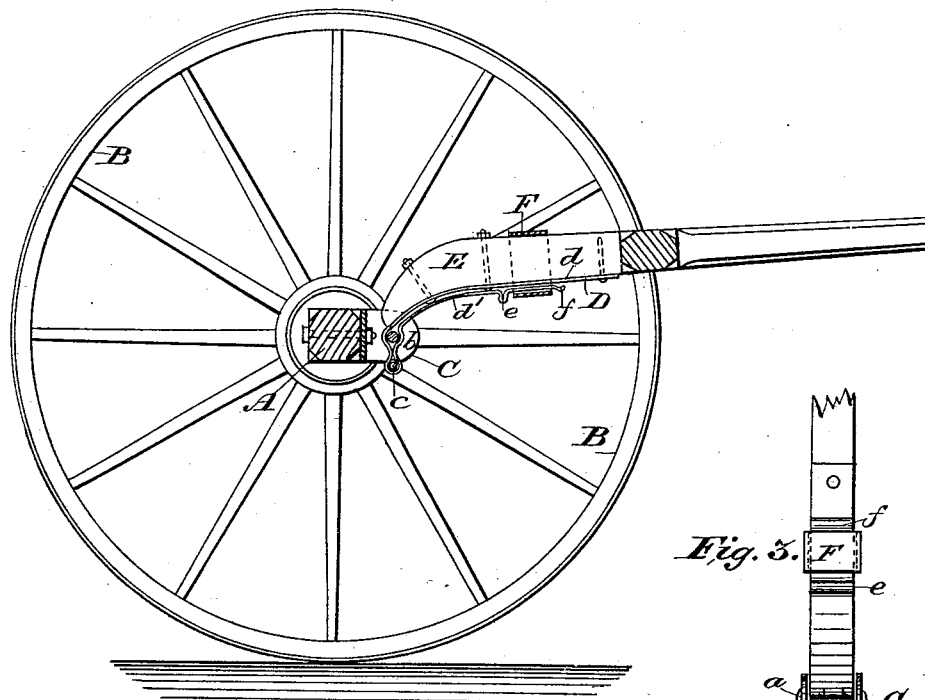


Fig. 5.

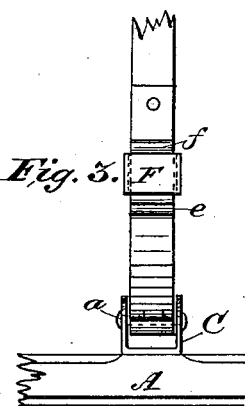
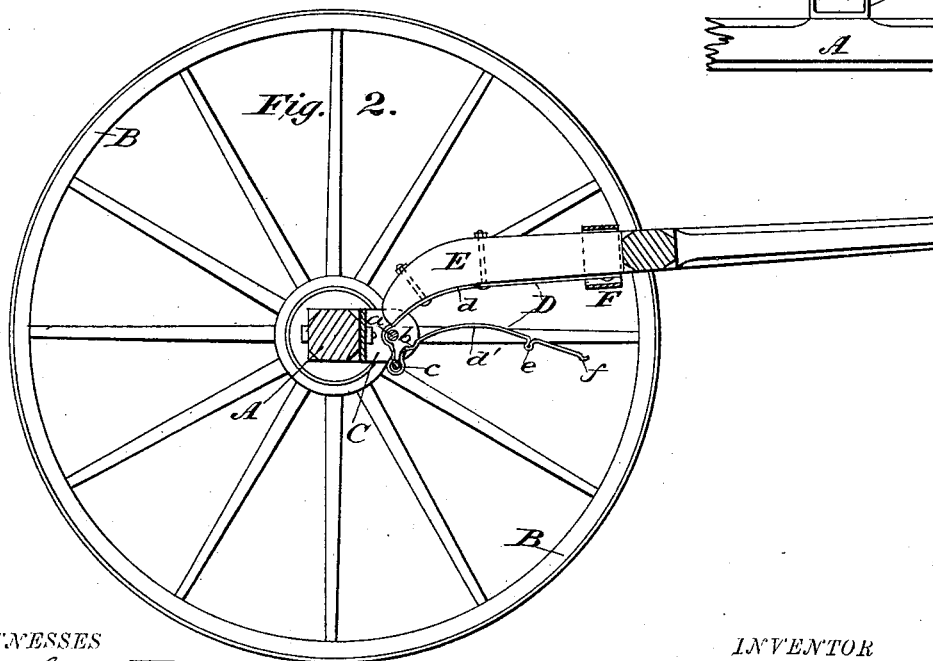


Fig. 2.



WITNESSES

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PHILIP SCHNEIDER, OF ROSEDALE, MARYLAND.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 266,535, dated October 24, 1882.

Application filed June 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, PHILIP SCHNEIDER, a citizen of the United States of America, residing at Rosedale P. O., in the county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Shaft-Couplers for Vehicles; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to detachable shaft-couplers; and the object is to construct a shaft-coupling for vehicles that can be easily and quickly detached and replaced when desired, especially in such vehicles as are to be placed in narrow spaces, or wherever there is not much room. The shafts, after being detached, can be placed under the vehicle or any place where it is desired.

The invention consists in the construction and arrangement of parts, as will be more fully described hereinafter, reference being had to the accompanying drawings and the letters of reference marked thereon.

In the accompanying drawings, Figure 1 is a side elevation of a wheel with the axle in section and the shafts attached and secured. Fig. 2 is a similar view with the shaft-coupling device open for removal of the shafts. Fig. 3 is a detail bottom view of the coupling.

In the drawings, A is the front axle of any vehicle, supported by a wheel, B, of ordinary construction. To the front side of the axle is securely bolted, at each side, a clip or bracket, C. A rivet or bolt, *a*, passes through the ears of this bracket, and upon this rivet fits a curved double hinge, D. This hinge has a recess, *b*, on each side to clasp the rivet when brought together, and the joint of the hinge is shown at *c*. The upper part, *d*, of the hinge is se-

curely fastened to the ends E of the shafts by bolts or rivets. The lower part, *d'*, of the hinge is provided with a small fold or raised part, *e*, and a small ridge, *f*, and between these parts of the hinge a ring or band, F, is held when the hinge is closed, as shown in Fig. 1. When it is desired to uncouple the shafts the ring or band F is moved back off the end of the part *d'*, and the said lower part will drop down and the shafts can be raised from their position, as shown in Fig. 2. In recoupling, the two parts are again brought together with the hands and the band is slipped or moved back to its original position.

The whole device is very simple in construction, not liable to get out of order, can be furnished at a very moderate cost, can be readily applied to any vehicle in which it is desired to have a detachable pair of shafts, and it forms a very convenient and easy means of removing a pair of shafts and replacing them, as desired.

I am aware of the Patent No. 94,583, granted to T. C. Walter, dated September 4, 1869; but this is of a different construction, and I do not claim such couplings, broadly; but,

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

The detachable shaft-coupler herein described, consisting of the double hinge D, having the upper part, *d*, secured to the ends of the shafts, and the lower jointed part, *d'*, provided with a raised part, *e*, and ridge *f*, and both provided with semi-recesses *b*, in combination with the clips C, all constructed and arranged for operation substantially as shown and specified.

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

PHILIP SCHNEIDER.

Witnesses:

G. E. HARRIS,
WM. H. REVER.