

(No Model.)

P. STALKER.
THILL COUPLING.

No. 507,765.

Patented Oct. 31, 1893.

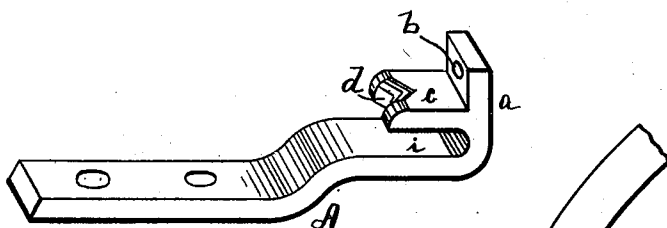


Fig. 3.

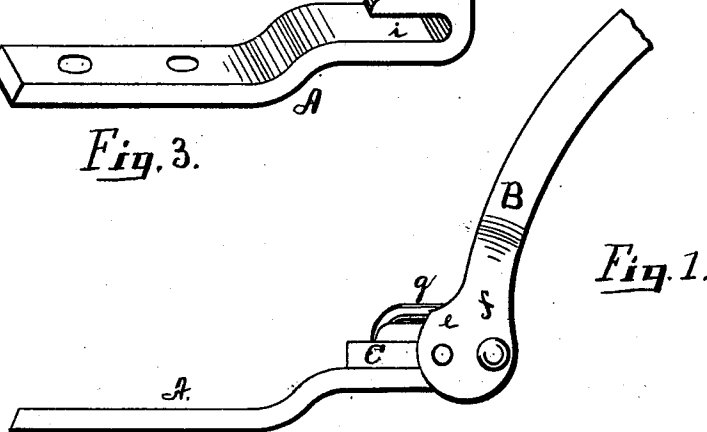


Fig. 1.

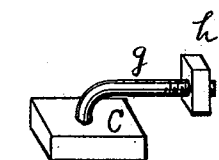


Fig. 4.

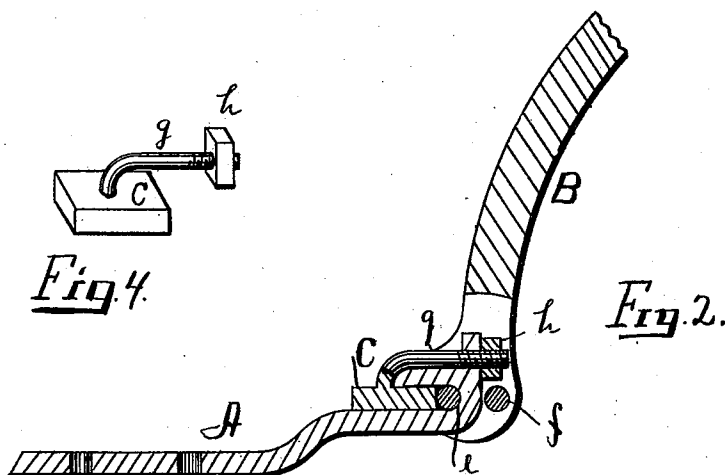


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

PETER STALKER, OF UNION, NEW YORK.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 507,765, dated October 31, 1893.

Application filed April 12, 1893. Serial No. 470,108. (No model.)

To all whom it may concern:

Be it known that I, PETER STALKER, of the village of Union, in the county of Broome and State of New York, have invented a new and Improved Shaft-Coupler, for the purpose of attaching the shaft of a vehicle to the axle-tree or vehicle itself; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

My invention relates to thill couplings, and has particular reference to that class known as anti-rattling thill couplings.

My object is to produce an anti-rattling thill coupling which shall be positive in its operation, cheap and durable in its construction, and of great utility, and to that end my invention consists in the several new and novel features and combination of parts hereinafter described, and which are specifically set forth in the claims hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a side view of the coupling complete, detached. Fig. 2, is a vertical section thereof through the center. Fig. 3, is a detached view of the bracket holding the thill iron. Fig. 4, is a detached view of the plate which holds the draw-bar or bolt within the bracket.

Similar letters of reference indicate corresponding parts.

A, is a bracket constructed substantially as shown in Fig. 3, having means at one end for securing it to the axle in the ordinary way, and having its opposite end turned up to form a shoulder —a— which is provided with an opening —b— and having an inwardly extending arm —c— which is provided with the central groove or notch —d—.

B, is the thill iron bifurcated at its lower end in the ordinary way, and provided with a draw-bar or bolt —e— and —f— is a safety bolt or bar located directly in front of it for the purposes hereinafter set forth.

C, is a plate having an arm —g— as shown in Fig. 4, with its free end threaded and adapted to receive the nut —h—, the said plate

—C— being adapted to fit in closely and slide within the recess —i— formed by the arm —c— with the base —a— as shown in Figs. 2 and 3.

My invention is operated as follows: The thill iron is first raised to such a position as to allow the bar —e— to pass within the recess —i— the bar —f— passing over the arm —c— and the upturned end —a—, when the thill iron is brought down to the position shown in Figs. 1 and 2. The plate —C— is then inserted within the recess —i—, the arm —g— passing through the opening —b— when the bolt is secured upon arm —g— as shown in Fig. 2. It will thus be observed that by tightening the nut —h— upon the threaded arm —g— the plate —C— may be drawn tightly up against the draw-bar —e— and securely held there, so as prevent its rattling. It will also be observed that when it becomes worn, it may be still further tightened to take up the play. The bar —f— then serves as a safety bar to prevent bar —e— from being withdrawn in case through accident the plate —C— becomes detached.

What I claim is—

1. The herein described thill coupling comprising the bracket A, having an upturned perforated end, an arm —c— forming a recess —i— a bifurcated thill iron —B— having a draw-bar, and a plate —C— provided with an arm —g— means for securing it within the opening —b—, said plate adapted to slide in the recess —i— and engage with the draw-bar.

2. The herein described thill coupling comprising the bracket —A— having an upturned perforated end, an arm —c— forming a recess —i— a bifurcated thill iron —B— having a draw-bar, and a plate —C— provided with an arm —g— means for securing it within the opening —b—, said plate adapted to slide in the recess —i— and engage with the draw-bar, and a safety bar —f— as set forth.

Dated April 10, 1893.

PETER STALKER.

Witnesses:

GEORGE F. LYON,
GEO. N. HALL.