

C. W. GRIFFITH.

Thill Coupling.

No. 111,118.

Patented Jan. 24, 1871.

fig. 1.

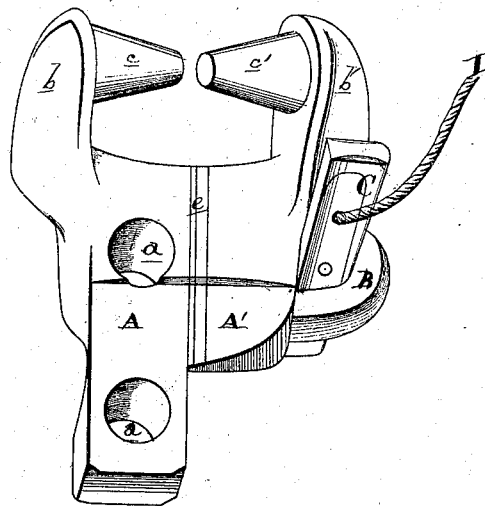
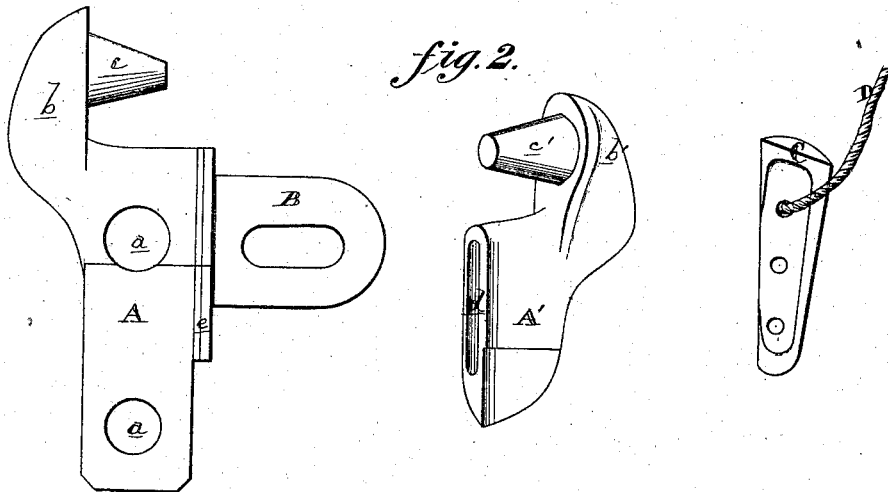


fig. 2.



Attest
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COLLINS W. GRIFFITH, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF AND
CHARLES H. MACKINTOSH, OF STRATHROY, CANADA.

Letters Patent No. 111,118, dated January 24, 1871.

IMPROVEMENT IN THILL-COUPPLINGS.

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, COLLINS W. GRIFFITH, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in a Shaft-Clip; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my device, and

Figure 2 shows the various parts detached.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improved method of coupling the pole or shafts to a vehicle, whereby the coupling is rendered noiseless in operation and capable of instant detachment.

The invention consists in a novel and peculiar construction of the clip in two parts, secured together by a key, which may be readily withdrawn when required.

In the drawing—

A A' represent the two sections of the clip, the former of which is secured to the axle by a proper clip, through the openings *a*.

From the front part of the sections project upward and forward brackets *b b'*, from which conical pivots or studs *c c'* project inward, and with which the irons at the rear ends of the shafts or pole engage.

B is a laterally-projecting staple formed or cast with the section A, projecting through a transverse

slot, *d*, in the body of the section A', which is secured to the other by a key, C, driven in the staple outside of the part.

Between the contact-faces of the sections are interposed several washers *e*, of leather, rubber, or other suitable material, so that the studs may be set closer together in the pole-iron, as the latter becomes worn, by taking out a washer and driving the key.

D is a cord, strap, or chain, which is attached to the key of each clip, and led up to the top of the dashboard, so that, by pulling on it, the driver may withdraw the keys, when the draft of the team on the cone-shaped studs will force them apart, thereby detaching the team from the vehicle, preventing damage to the vehicle or occupants, in case the team should run away.

I am aware that various couplings with conical pivots are in use, and while I disclaim the invention of such,

What I do claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the clip-sections A and A', the brackets *b* and *b'*, the studs *c* and *c'*, the staple B, and the key C, having a cord, D, when the several parts are constructed substantially as described and shown, and as and for the purposes set forth.

COLLINS W. GRIFFITH.

Witnesses:

FREDERICK EBERT,
SAM. J. SPRAY.