

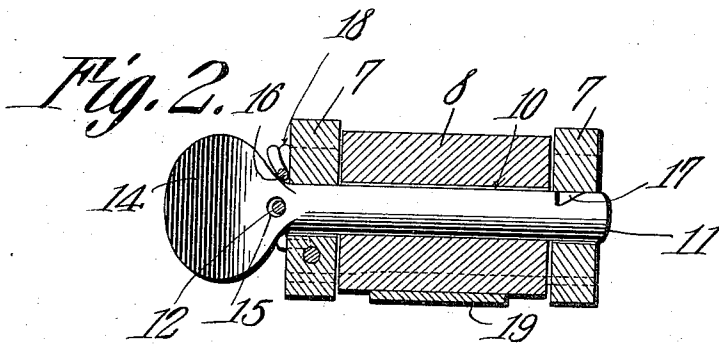
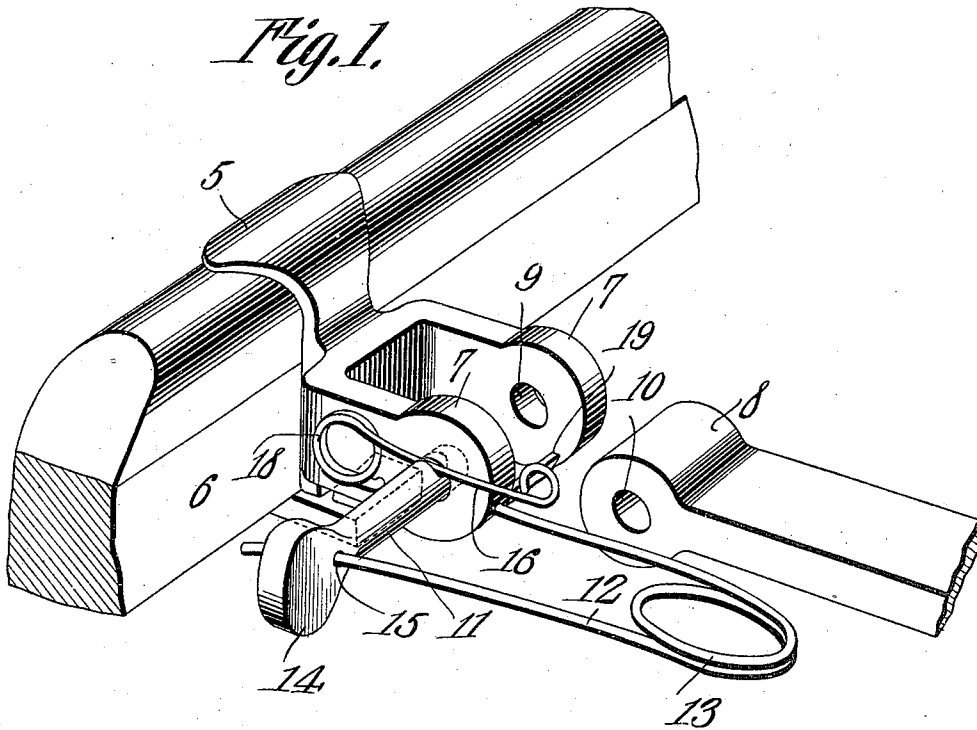
C. F. PERRY.
BUGGY SHACKLE.

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966,401.

Patented Aug. 2, 1910.

Fig. 1.



Witnesses

E. J. Stewart
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UNITED STATES PATENT OFFICE.

CHARLES FRANKLIN PERRY, OF HARLINGEN, TEXAS, ASSIGNOR OF ONE-HALF TO
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BUGGY-SHACKLE.

966,401.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES FRANKLIN PERRY, a citizen of the United States, residing at Harlingen, in the county of Cameron and State of Texas, have invented a new and useful Buggy-Shackle, of which the following is a specification.

This invention relates to thill-couplings and has for its object to provide an improved device of this kind having a spring-actuated coupling-pin, and means for holding the pin in uncoupled position while the thills are being attached.

This invention also has for its object to simplify the device and reduce the number of parts to a minimum, and also to provide a coupling which can be easily and quickly operated to attach or detach the thills.

With these objects in view, the invention consists in a novel arrangement of parts to be hereinafter described and claimed, reference being had to the drawing hereto annexed in which:—

Figure 1 is a perspective view of the coupling, the parts being shown in position to receive the thills. Fig. 2 is a transverse section of the coupling, showing the position of its parts when the thills are attached.

Referring more particularly to the drawing, 5 denotes a clip which encircles the vehicle axle 6 and is secured thereto in any suitable manner. The clip is formed with a pair of forwardly extending spaced ears 7 between which the thill-iron 8 is received. The ears have alined openings 9 which are adapted to register with an opening 10 in the thill-iron, said openings receiving a coupling-pin 11 whereby the thill-iron is secured to the ears.

The coupling-pin 11 is held in locking position by a spring 12 one end of which is secured to one of the ears 7 and the other end being connected to the bolt. The spring is, preferably, a piece of wire which is bent intermediate its ends into a coil 13. The coupling pin is enlarged at one end to form a finger piece 14 in order that it may be more readily taken hold of. The finger piece has an opening 15 through which the end of the aforesaid spring loosely passes.

The thills are coupled by placing the thill-irons between the ears 7 and passing the pin 11 through the openings 9 and 10. To uncouple the thills it is necessary only to withdraw the pin, and in order to hold the pin in withdrawn position, I provide a spring finger 16 which enters a notch 17 in the pin when the same is in withdrawn position. This spring finger extends transversely of the coupling-pin and is a piece of wire which is secured at one end to one of the ears 7 and is bent into a coil 18 which imparts the required resiliency to the finger. To the bottom of the clip 5 is secured a flat spring 19, the free end of which projects forwardly between the ears 7 and presses against the under side of the thill-iron to prevent rattling.

It will be seen from the foregoing that the coupling herein described is simple in construction and has no complicated parts to get out of order, the thills can be quickly and easily applied or removed, and they will be effectually prevented from becoming accidentally detached.

What is claimed is:—

1. A thill coupling comprising spaced ears having alined openings, a spring-pressed coupling-pin passing through said openings and formed with a notch, and a spring finger engageable with said notch to hold the pin in uncoupled position.

2. A thill coupling comprising spaced ears having alined openings, a coupling pin passing through said openings and formed with a notch, a spring finger extending transversely of the pin and engageable with the notch to hold the pin in uncoupled position, and a spring secured at one end to one of the ears and connected at its other end to the pin for holding the same in locking position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES FRANKLIN PERRY.

Witnesses:

P. S. WATERWALL,
S. F. MARSH.