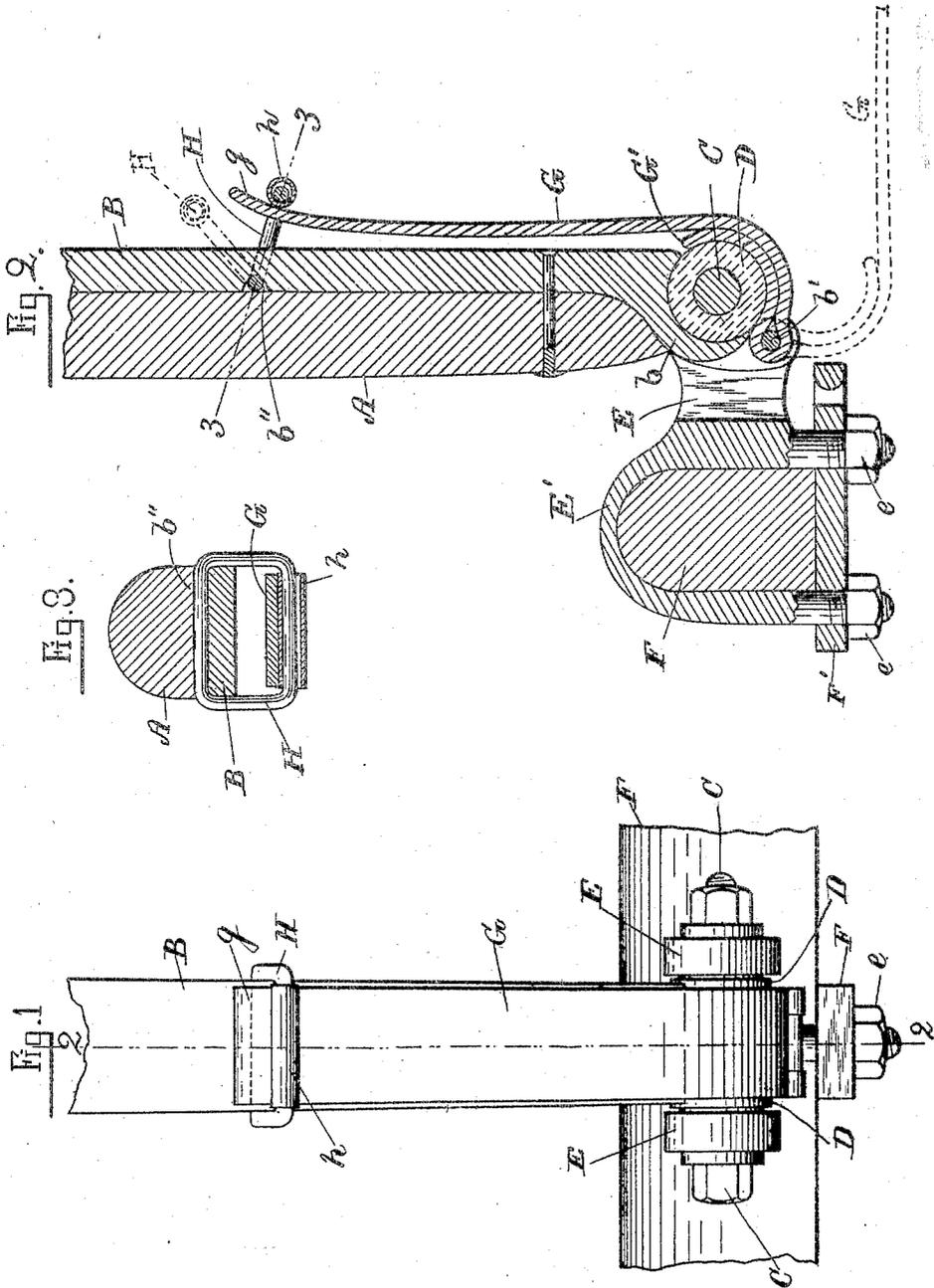


S. R. BAILEY.
SHAFT SHACKLE FOR VEHICLES.
APPLICATION FILED MAR. 28, 1904.

NO MODEL.



Witnesses

Lairitz N. Möller
Willard B. Ellison

Inventor

Samuel R. Bailey
by Alvan Andrién, his atty.

UNITED STATES PATENT OFFICE.

SAMUEL R. BAILEY, OF AMESBURY, MASSACHUSETTS.

SHAFT-SHACKLE FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 777,326, dated December 13, 1904.

Application filed March 28, 1904. Serial No. 200,292. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL R. BAILEY, a citizen of the United States, and a resident of Amesbury, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Shaft-Shackles for Vehicles, of which the following is a specification.

This invention relates to improvements in shaft-shackles for vehicles; and it has for its object a device of improved and simplified construction capable of being readily applied to and detached from the clip.

My invention consists in the features and in the construction and arrangement of parts hereinafter described, and definitely pointed out in the claim following the description, reference being had to the accompanying drawings, wherein—

Figure 1 is a front elevation of my improved shaft-shackle, showing the same applied to a thill-coupling of a vehicle-axle. Fig. 2 is a longitudinal section on the line 2 2 shown in Fig. 1, and Fig. 3 is a cross-section on the line 3 3 shown in Fig. 2.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

Referring to the drawings, A indicates one end of a carriage thill or shaft secured in a suitable manner to the shaft-iron B.

The shaft-iron B is provided at its inner end with a preferably semicircular jaw *b*, adapted to encompass a portion of the thill-coupling bolt C or an elastic sleeve D, located thereon, as shown.

The bolt C is pivotally connected to the ears E E of the clip E', which is secured to the carriage-axle F by means of the plate F' and nuts *e e*, as is common in devices of this kind.

To the shaft-iron jaw *b* is pivoted at *b'* a preferably yielding metal bar G, having preferably made in one piece therewith an auxiliary curved spring G', adapted to be held in contact with the elastic sleeve D or coupling-bolt C in a manner like that shown in the patent granted to me December 23, 1902, No. 716,513. The free end of said bar or lever G is adapted to be detachably clamped or secured to the shaft-iron B by means of a locking device, which is constructed, arranged, and operated as follows:

On the under side of the shaft-iron B is made at *b''* a lateral groove or recess, or, if so desired, a lateral perforation may be made in said shaft-iron for the reception of a metal ring H, the inner end of which is pivotally connected to said shaft-iron, as shown.

The outer free end of the lever G is curved at *g*, as shown, so as to prevent the ring H from getting detached from the said lever G when the said ring is swung over the end of the lever G for holding the parts in the locked position shown in the drawings.

If it is desired to uncouple the device, it is only necessary to press the lever G toward the shaft-iron to enable the ring H to be swung from the position shown in full lines in Fig. 2 to that shown by dotted lines in said figure, causing said lever to be released and then swung to the open position shown by dotted lines in Fig. 2, when the jaw *b* may readily be disconnected from the thill-coupling bolt or its yielding sleeve.

If it is desired to couple the thill to the bolt of the axle-clip, it is only necessary to swing the lever G from the position shown in dotted lines in Fig. 2 to that shown in full lines in said figure and to swing the ring H from the position shown in dotted lines in Fig. 2 onto the turned-up portion *g* of the lever G, as shown in full lines in said figure, by which said lever is caused to be held locked relative to the thill-coupling and prevented from getting loose.

In practice I prefer to provide the outer end of the ring H with a sleeve *h*, as shown; but this may be dispensed with without departing from the essence of my invention.

What I wish to secure by Letters Patent and claim is—

In a shaft-shackle having a clip and a recessed thill-iron terminating at one extremity in a jaw for engaging the clip, of a yieldable pivotal bar, and a loop mounted in said recess and adapted to inclose said bar and to move unretarded over the outer end thereof.

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

SAMUEL R. BAILEY.

Witnesses:

ALBAN ANDRÉN,
ALVAH C. STONE.