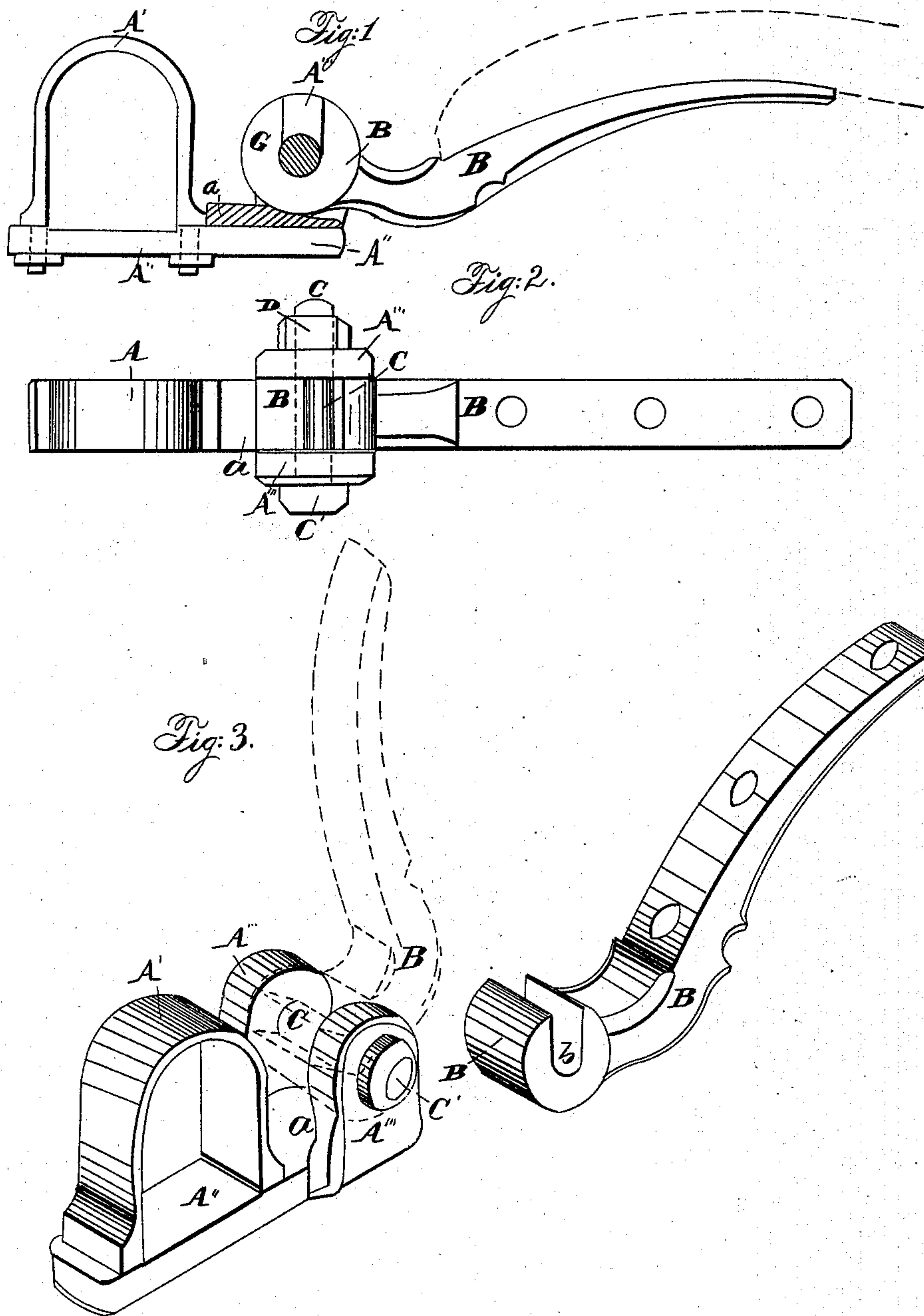


L. C. CLARK.

Thill-Coupling.

No. 68,844.

Patented Sept. 17, 1867.



Witnesses:

W. H. Pratt
W. L. Basson

Inventor

Lyman Clark

United States Patent Office.

LYMAN C. CLARK, OF DAVENPORT, IOWA.

Letters Patent No. 68,844, dated September 17, 1867.

IMPROVEMENT IN THILL-COUPLING.

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, LYMAN C. CLARK, of Davenport, in the county of Scott, and State of Iowa, have invented certain new and useful improvements in Thill-Couplings for vehicles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

This invention relates to an improved method of attaching the thills of vehicles, and consists in making the bolt-hole slightly above the centre of the circular part of the socket or thill-iron through which it passes, giving said iron an eccentric form, and also in making said bolt-hole open upwards, so that by raising the thills to a certain position they are readily attached or detached without removing any bolt or any other fastening.

Figure 1 is a side view of the coupling, with one side of the clip removed to show the thill-iron in its place.

Figure 2 is a plan of the coupling.

Figure 3 is a perspective view of the parts separate.

A represents the clip or clasp, which is placed around the axle; A' being the band passing over the axle, A'' the bottom plate of same, and A''' the parts turned up at each side to receive the thill-iron B. The bolt-hole *b* in the iron B is open upward to the top of said iron B, so that by elevating the thill to a certain point, as shown by dotted red lines, fig. 3, it readily slips out or in, and yet is quite firm and safe in any position which it can assume when in use. Said bolt-hole *b* is made a little above the centre of the circular socket or thill-iron B, giving said circular part an eccentric form, so that when raised, as above mentioned, it slips freely out between the bolt C and the leather bearing *a*, but when let down it fills the space, and the leather presses it up against the bolt C, and prevents noise and wear.

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

The thill-iron B constructed as described, in combination with the clip A, having the packing *a* arranged between the ears A''' on the plate A'', all arranged to operate as and for the purpose set forth.

LYMAN C. CLARK.

Witnesses:

W. H. PRATT,

W. L. CARROLL.