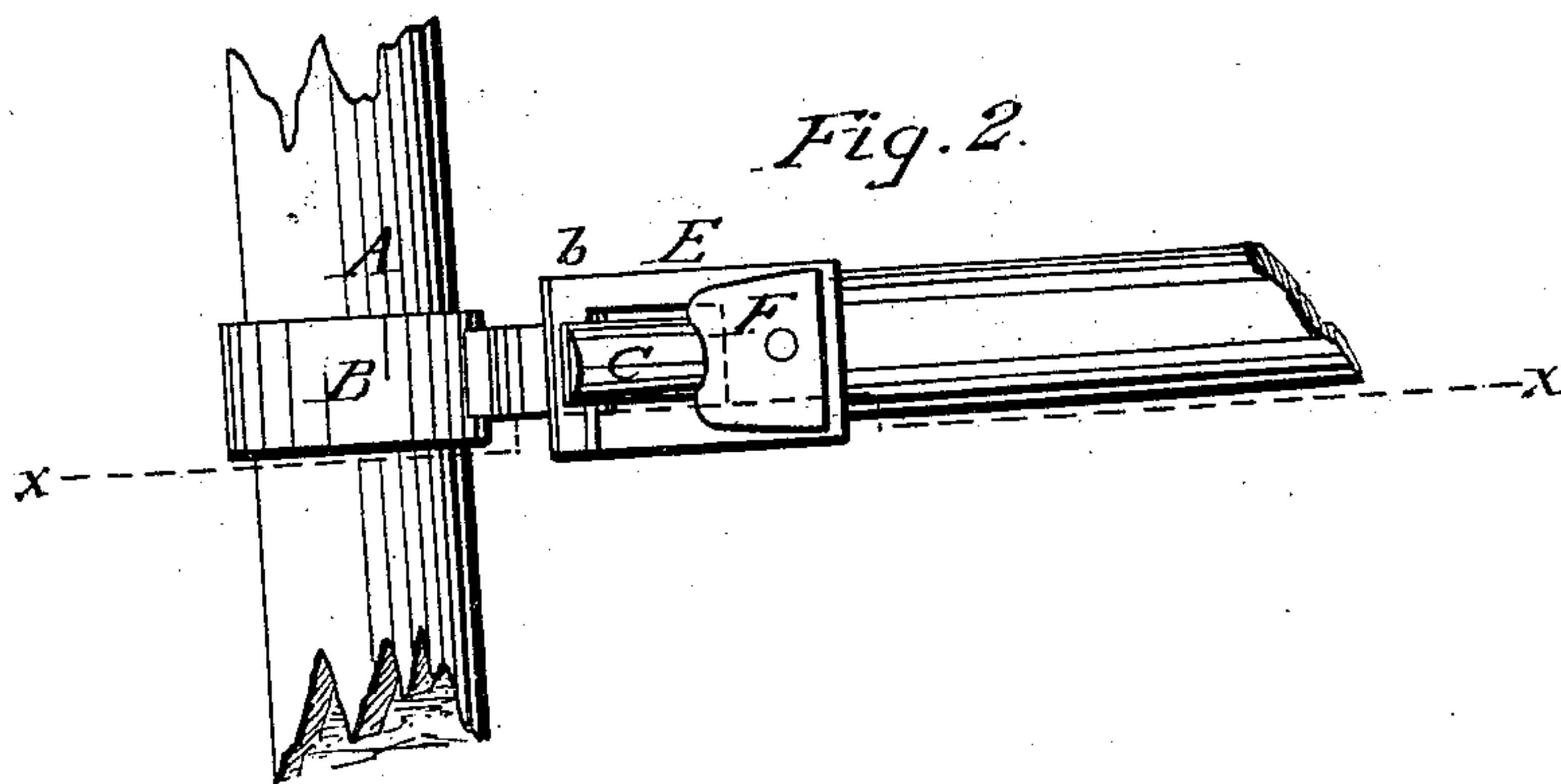
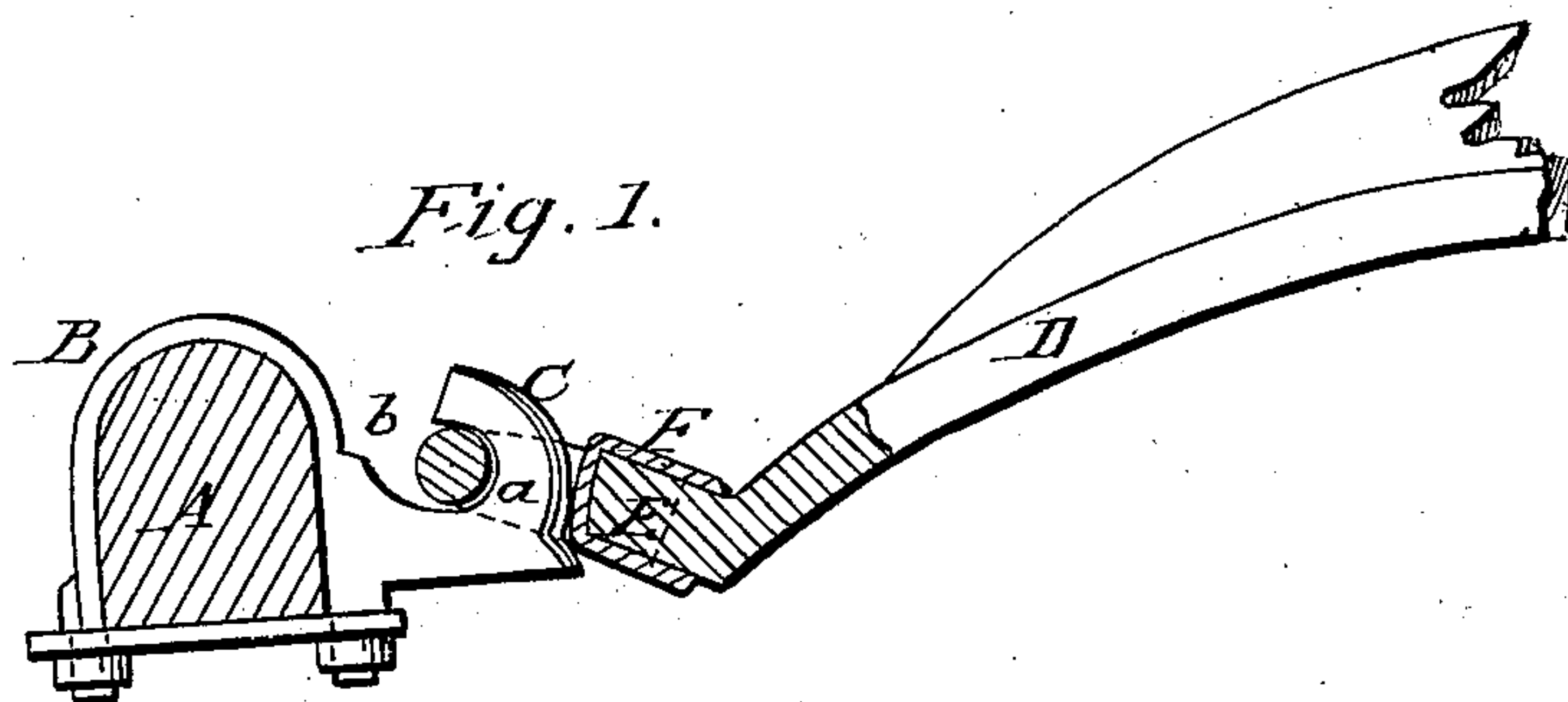


S ROGERS.
Thill-Coupling.

Patented Nov. 19, 1867.

No 71,066



Witnesses:
Theo. Insche
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Attorneys.

United States Patent Office.

SILAS ROGERS, OF STANFORDVILLE, NEW YORK.

Letters Patent No. 71,066, dated November 19, 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, SILAS ROGERS, of Stanfordville, in the county of Dutchess, and State of New York, have invented a new and improved Thill-Coupling; and I do hereby declare that the following is a full and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to a new and improved mode of connecting thills to axles, as hereinafter fully shown and described, whereby the thills may be readily attached to and detached from the axle, and all rattling of the parts avoided. In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, fig. 2.

Figure 2, a plan or top view of the same.

Similar letters of reference indicate like parts.

A represents a portion of the front axle of a vehicle, and B a clip fitted thereon in the usual or any proper way. This clip B is formed at its front or outer side with a hook, C, the outer portion *a* of which is a segment of a circle, both at its external and internal surface, as shown clearly in fig. 1. D is the thill-iron, the outer end of which is constructed with an eye, E, to fit upon the hook C, the rear end *b* of the eye being in the concave side of the hook, while the front end of the eye is quite close to the external surface of the hook, a small space being allowed to insert a strip of India rubber, leather, or other material, F, to insure a snug fit of the eye upon the hook.

From the above description it will be seen that the thill cannot become detached from the axle without raising the former sufficiently high to admit of the eye E being taken off from the hook, and as the thills cannot be thus raised when the horse is harnessed between them, they cannot become casually detached. There will be no appreciable wear of the eye and hook, and that which may be produced by long use can be easily compensated for by the introduction of a piece of rubber or leather, F, of sufficient thickness between the front or external surface of the hook and the front of the eye.

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

The thill-coupling, constructed as described, consisting of the upward-projecting hook C, formed upon the clip, and the eye E upon the thill-iron D, fitting over said hook, when the outer side of said eye is provided with the packing F working against the outer side of the hook, as herein described, for the purpose specified.

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