

(Model.)

C. C. WASON.
THILL COUPLING.

No. 257,193.

Patented May 2, 1882.

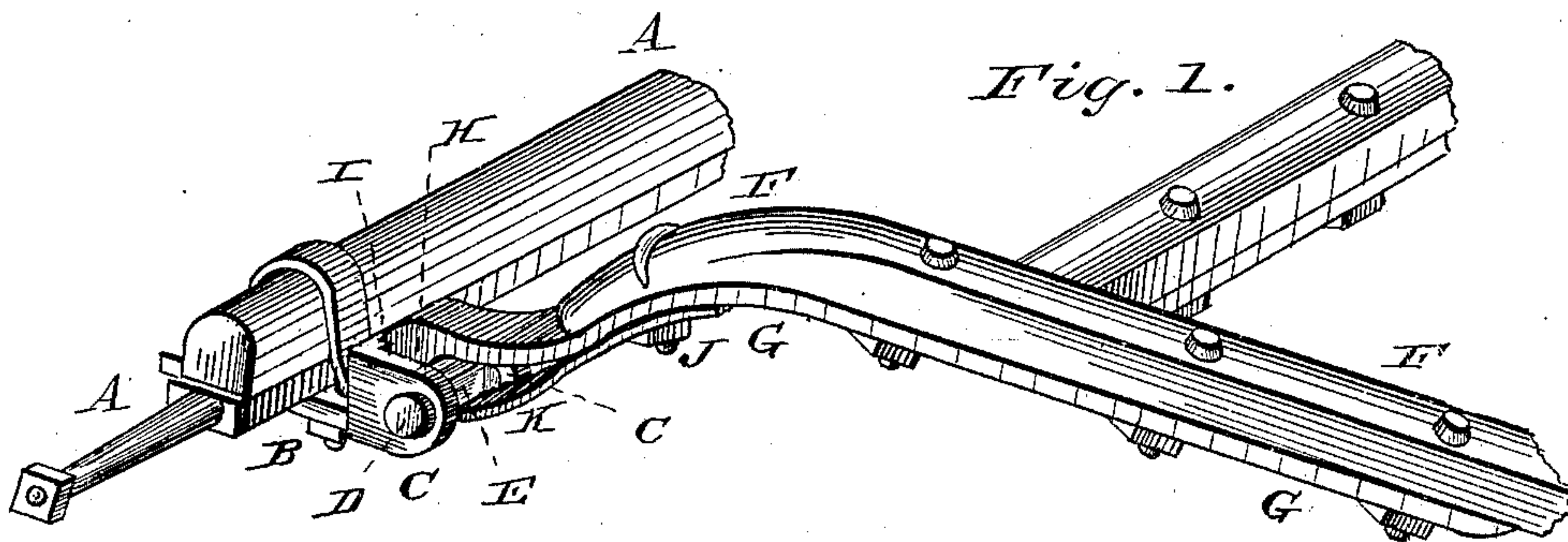
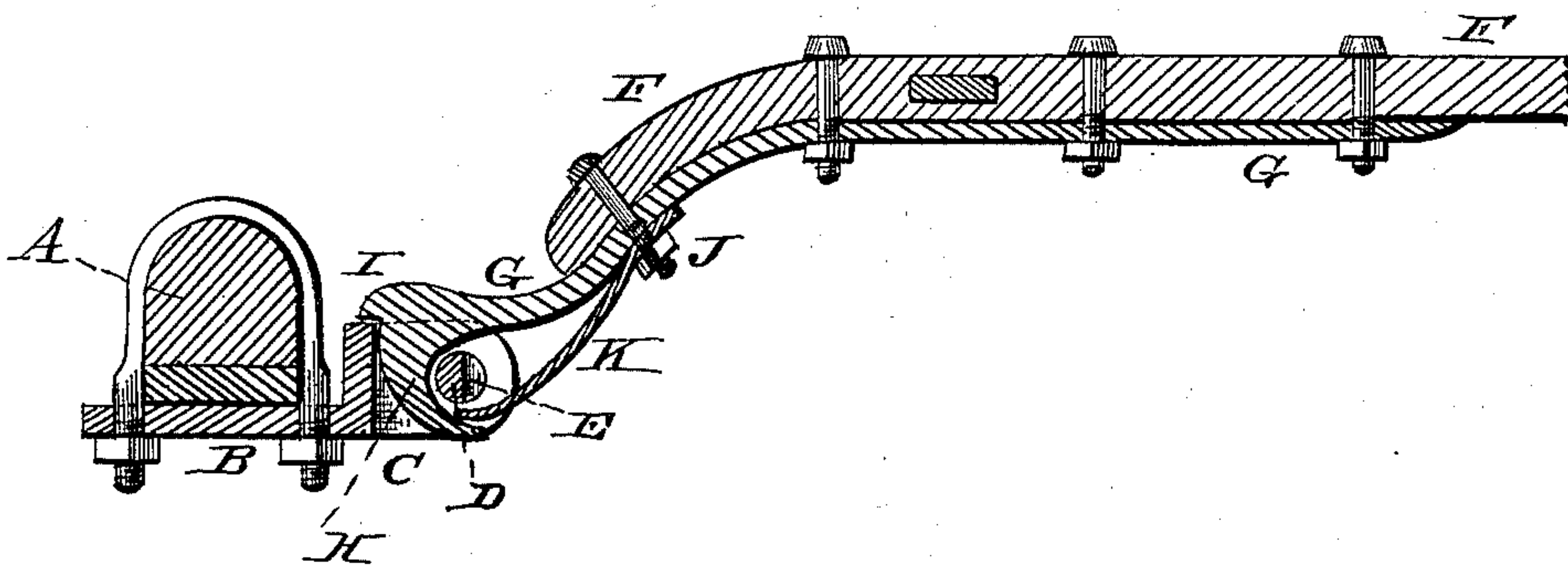


Fig. 2.



WITNESSES:
Fred. G. Dietrich.
P. C. Dietrich.

INVENTOR.
C. C. Wason.
W. C. Snow & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES C. WASON, OF BLACK RIVER FALLS, WISCONSIN.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 257,193, dated May 2, 1882.

Application filed February 24, 1882. (Model.)

To all whom it may concern:

Be it known that I, CHARLES C. WASON, of Black River Falls, in the county of Jackson and State of Wisconsin, have invented certain new and useful Improvements in Detachable Thills; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view, and Fig. 2 is a longitudinal sectional view.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to thill-couplings; and it consists in certain improvements in the construction of the same, whereby the thills may be easily and quickly attached to or detached from the axle, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the axle, and B the clip, which is provided with two parallel vertical forward-projecting flanges, C C, which form the box of the thill-coupling. The flanges C C are connected by a horizontal bolt, D. The front side of as much of this bolt as is located between the flanges C is removed or reduced so as to form a smooth vertical front side or face, E.

F is the thill, and G the thill-iron, the rear end of which latter forms a hook, H, having on its back side a shoulder, I. Secured to the under side of the thill-iron by one of the bolts, J, which secures it to the thill, is a flat spring, K, which extends into the hook H, which is thereby transformed into a spring or snap hook.

The operation of my invention will be read-

ily understood. The hook H may be coupled with the bolt D of the coupling-box by lowering the front end of the thill. The hook will then just enter rear of bolt D, while the spring passes in front of the reduced portion of the latter. The front end of the thill is then raised until the shoulder I of hook H strikes the clip or coupling-box rear of the flanges C. The thill is then held securely and free from rattling. It will be observed that the draft comes entirely upon the hook H, while the spring K is in nowise strained or worn. To remove the thill from the axle its front end is lowered, when, after pressing upon the spring, it may be unhooked from the clip.

This invention is exceedingly simple and convenient, and permits the thills to be attached or detached in a moment's time.

I am aware of the patent to Hepbron, No. 232,966, October 5, 1880; and I claim nothing therein shown.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The clip B, having flanges C, connected by a bolt, D, having a smooth reduced front side or face, E, in combination with the thill-iron G, having hook H, provided with a shoulder, I, and a spring, K, adapted to pass the front face, E, of the bolt D when the front end of the thill is lowered and to strike against it when the thill is raised so as to bring shoulder I in contact with the clip, as set forth.

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

C. C. WASON.

Witnesses:

E. A. LE CLAIR,
FRANK A. PARSONS.