

OTTO TACKMANN.

Whill Coupling.

No. 120,124.

Patented Oct. 17, 1871.

Fig. 1.

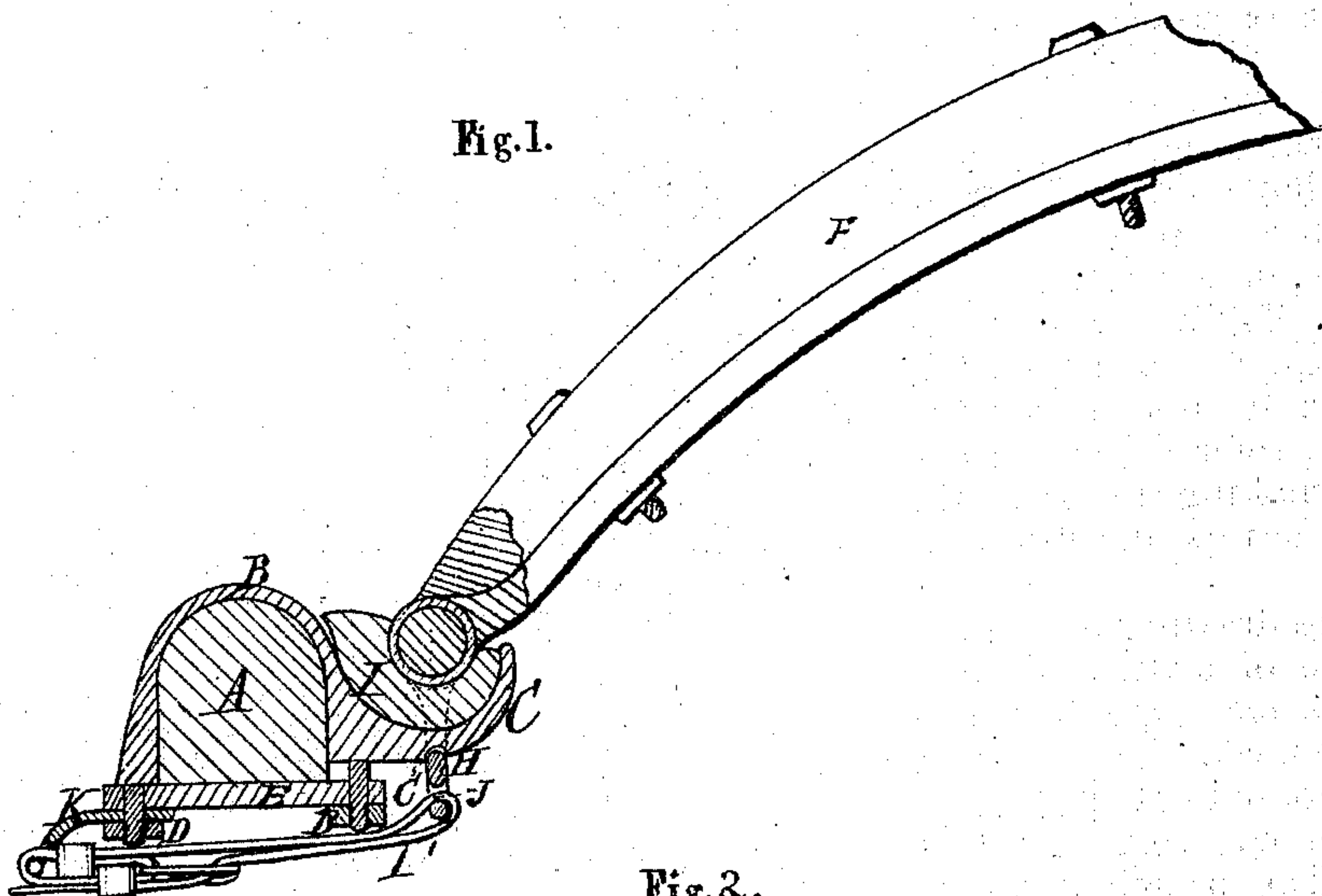


Fig. 2.

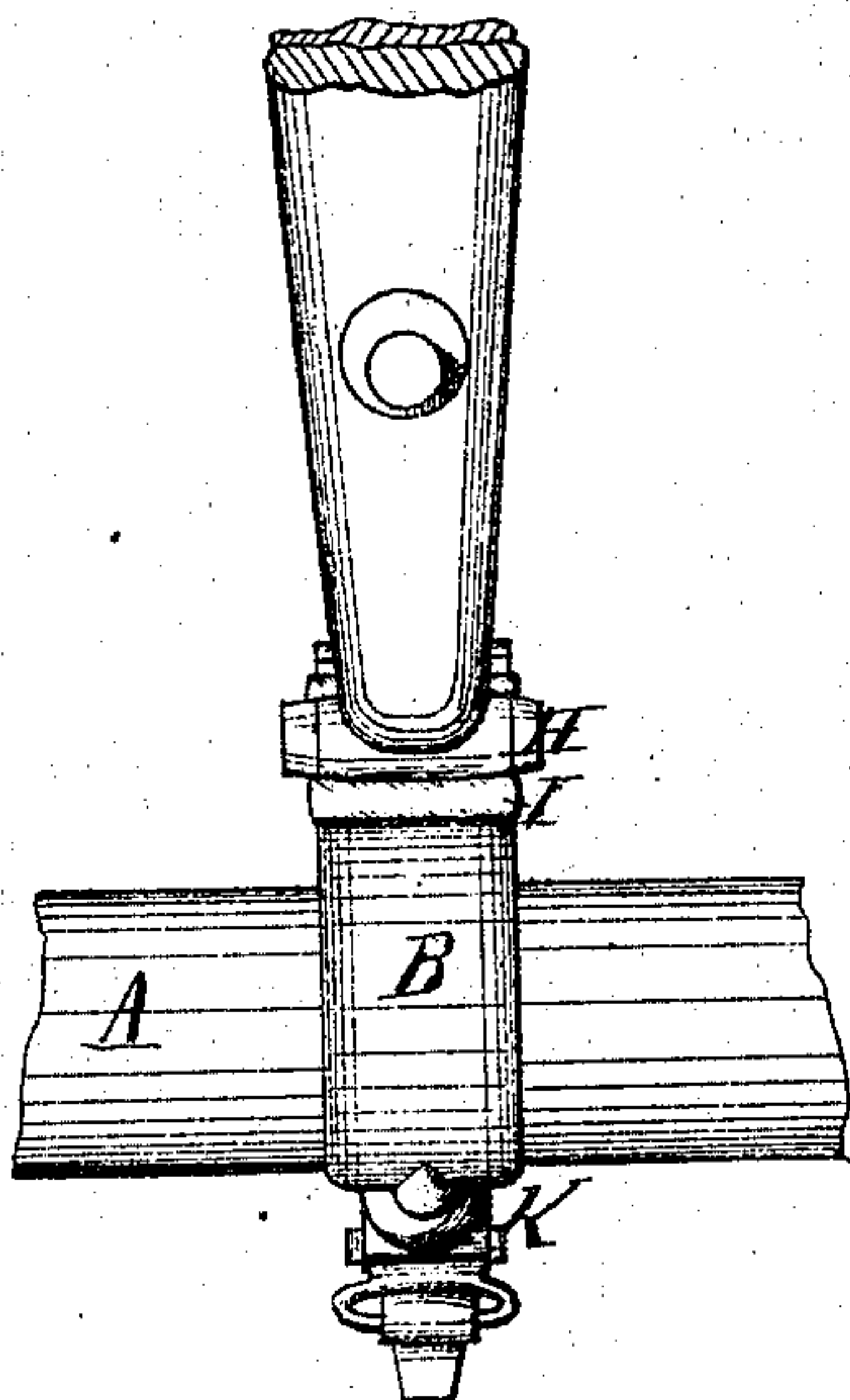


Fig. 3.

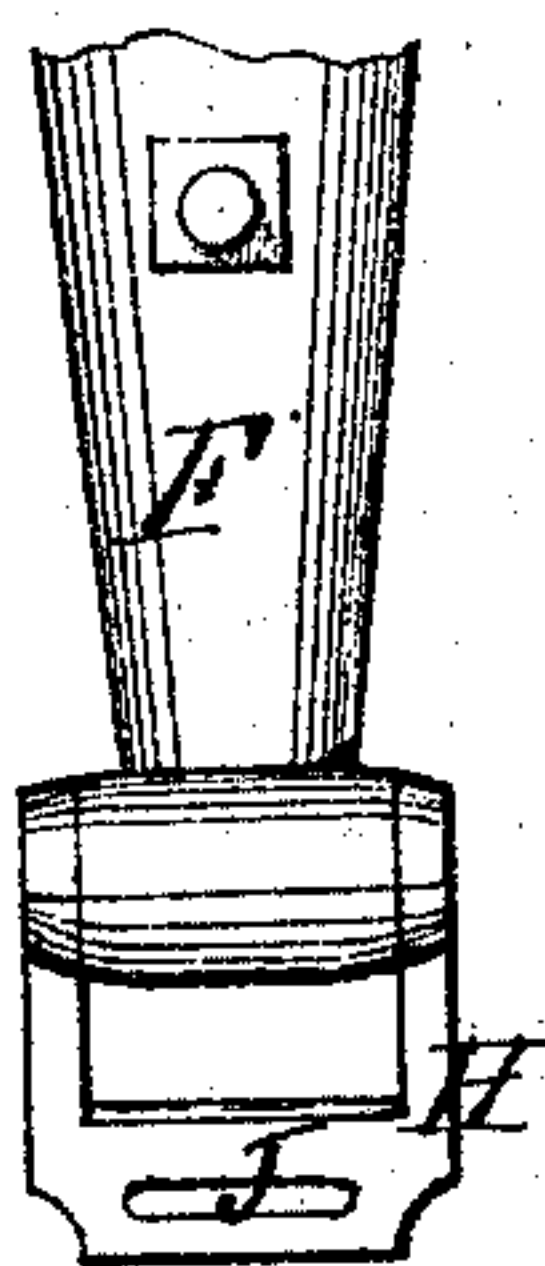
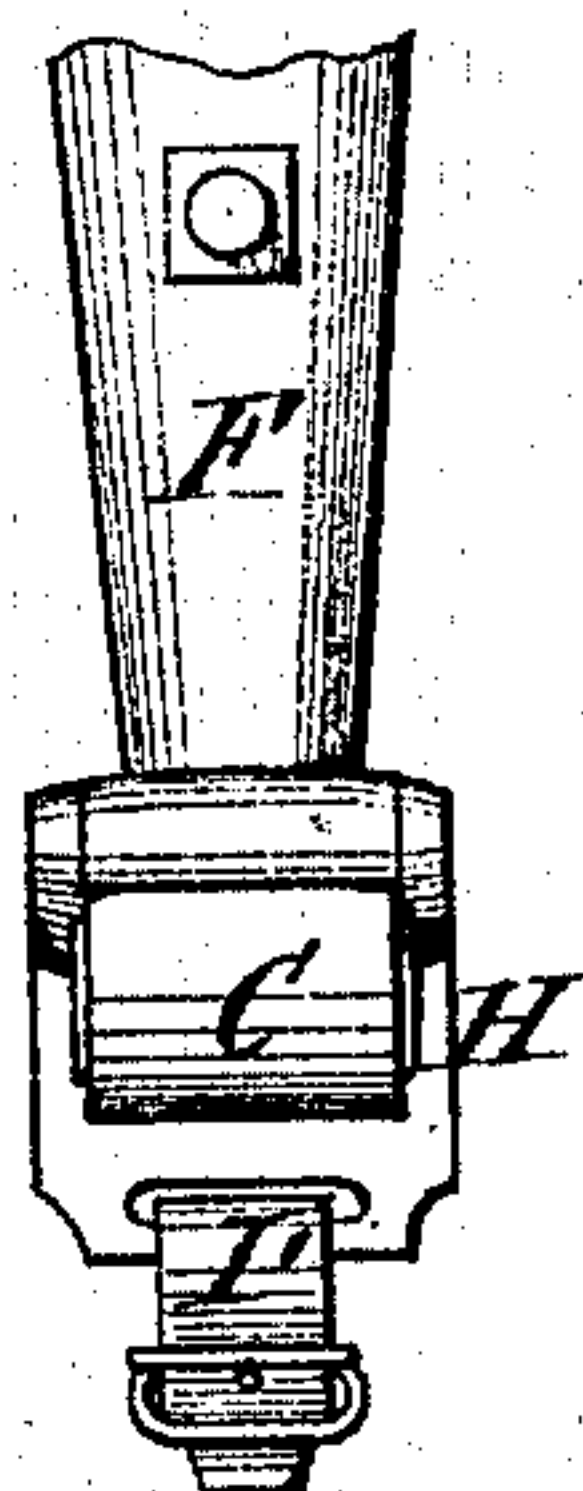


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

OTTO TACKMANN, OF YONKERS, NEW YORK.

IMPROVEMENT IN THILL-COUPINGS.

Specification forming part of Letters Patent No. 120,124, dated October 17, 1871.

To all whom it may concern:

Be it known that I, OTTO TACKMANN, of Yonkers, in the county of Westchester and State of New York, have invented a new and valuable Improvement in Thill-Coupling; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention. Fig. 2 is a top view of the same. Fig. 3 is a front view of clasp and goose-neck. Fig. 4 is a front view, showing clasp, goose-neck, prong, and strap.

This invention has relation to an improved thill-coupling. The principal object of the invention is to produce a device which will allow the shafts or poles of a vehicle to be coupled or uncoupled quickly without the application of a wrench, or without changing the bolts. The points of novelty wherein this invention consists have reference to the construction of the axle, the clip, and the mode of attaching the thill thereto by means of devices hereinafter described.

In the accompanying drawing illustrating this invention, A represents the axle-tree. B the loop-clip, constructed with a curved prong, C, and secured by the nuts D and plate E. The curved prong C is designed for the reception of the goose-neck F secured to the thill G, and hold-

ing the pivoted clasp H, through which passes the prong C, formed with a notch, C', to hold said clasp firmly. A piece of rubber, I, placed in the hollow of the prong is for a similar purpose; its pressure against the goose-neck tends to keep the thill steady. For a further security to the clasp H a strap, I', is provided, the same passing through a loop, J, formed at the lower part of the clasp and buckling it to a strap loop, K, on the back prong of the clip B.

The advantages of this coupling are obvious. The use of rattling and inconvenient bolts and nuts is dispensed with, rendering the work of coupling or uncoupling much easier than when a wrench or such like device must be used.

It is readily applicable to old shafts or poles, to which the clasp may be attached without the necessity of removing the pole or shaft-irons.

I claim as my invention—

The loop-clip B having recess for the rubber spring, as described, the clasp H having loop J together with the strap-loop K and strap I, constructed and arranged substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

OTTO TACKMANN.

Witnesses:

WILL. HEINKAMP,
SIMON STROH.

(31)