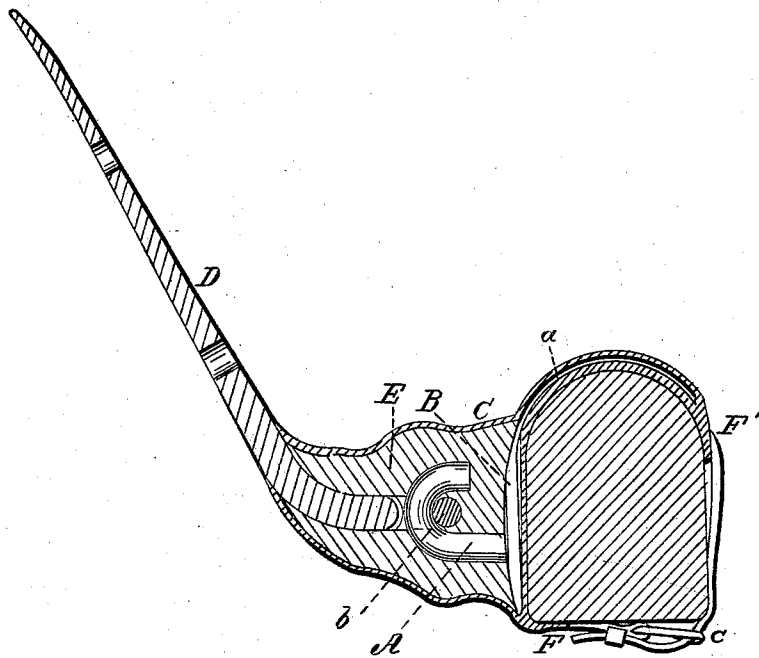


O. TACKMANN.
Thill Coupling.

No. 91,789.

Patented June 22, 1869.



Witnesses.

C. Mahlers
E. F. Kastenhuber.

Inventor.

Otto Tackmann
per
Van Santvoord & Sons
Attys

United States Patent Office.

OTTO TACKMANN, OF YONKERS, NEW YORK.

Letters Patent No. 91,789, dated June 22, 1869.

IMPROVEMENT IN THILL-COUPINGS.

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, OTTO TACKMANN, of Yonkers, in the county of Westchester, State of New York, have invented a new and improved Shaft-Coupling; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, which drawing represents a longitudinal section of this invention.

This invention consists in the arrangement of a hook, secured to a metallic flexible base, and enclosed in a pocket or envelope of leather, filled with a soft India-rubber pad, or stuffing, in combination with a goose-neck, provided with a loop, which catches in the hook, and with a strap, which extends from the envelope, and serves to fasten the shaft-coupling to the axle of a carriage, or vehicle, in such a manner that a simple and cheap coupling is obtained, which is free from rattling, and which can be attached and detached with great ease and facility.

In the drawing—

The letter A designates a hook, which is secured in the metallic base-plate B, from which extends a flexible shank, *a*, both the hook and base-plate being enclosed in a pocket, or envelope, C, of leather, or other suitable material.

D is the goose-neck, which is provided with holes, for the purpose of attaching it to the inner end of the shaft, and with a loop, *b*, which catches into the hook A, as shown in the drawing.

The envelope C is filled up with a stuffing, E, of soft India-rubber, or other suitable material, in which the hook and the inner looped end of the goose-neck are embedded, so that all rattling of these parts is prevented.

From the opposite ends of said envelope extend two straps, F F', one of which is provided with a buckle, *c*, while the other is long enough to be carried once or twice round the axle of a carriage, or other vehicle, and to be secured in the buckle, as shown.

In carrying the strap F round the axle, the flexible shank of the base-plate B is bent over said axle, and gives an additional hold to the hook and goose-neck.

By these means a shaft-coupling is obtained, which can be readily attached to or detached from axles of any size, which is cheap and simple in its construction, and free from all rattling.

A small strap or staple, secured in the upper and back part of the axle-bed, prevents the coupling from shifting sideways.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

A shaft-coupling, composed of a hook, A, and looped goose-neck D, in combination with the envelope C, stuffing E, and straps F F', all constructed and operating substantially as shown and described.

OTTO TACKMANN.

Witnesses:

WILLIAM KAESER,
JOHN SCHOETTLIN.