J. C. HENDRY.

THILL-COUPLING.

No. 182,926. Patented Oct. 3, 1876.

Fig. 1.

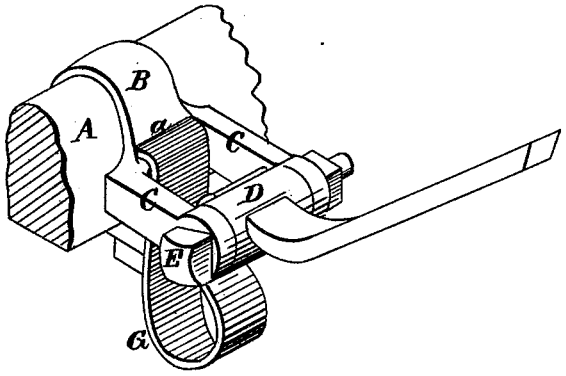
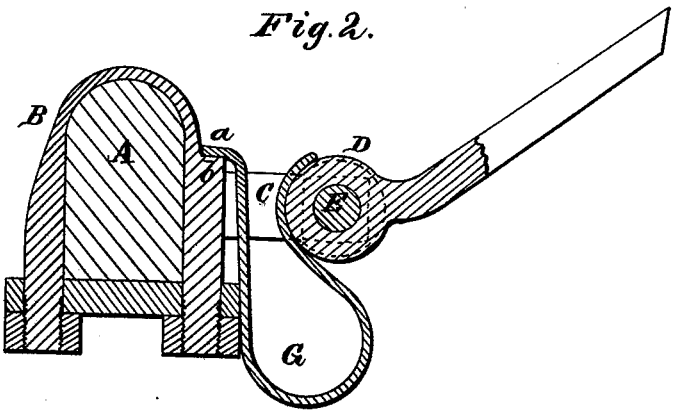


Fig. 2.



WITNESSES

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JOHN C. HENDRY, OF BOSTON, ASSIGNOR OF ONE-HALF HIS RIGHT TO BRIGHAM, LITCHFIELD & VINING, OF SOUTH ABINGTON, MASS.

IMPROVEMENT IN THILL-COUPLINGS.

Specification forming part of Letters Patent No. **182,926**, dated October 3, 1876; application filed September 9, 1876.

To all whom it may concern:

Be it known that I, JOHN C. HENDRY, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Thill and Pole Coupling Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, and to letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction of a spring to be used in a thill-coupling to prevent rattling, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a perspective view of a thill-coupling embodying my invention. Fig. 2 is a longitudinal section of the same.

A represents the axle, around which is the clip B, said clip being provided with two forward projecting ears or arms, C C. Between these arms the metallic eye D is pivoted by a bolt, E, passing through them, as shown. G represents a metallic spring, somewhat in the shape of a letter **U**. The rear arm of this spring is straight, and has on its upper end a flange, *a*, which rests upon a shoulder, *b*, on the front of the clip B, while the front arm of the spring is curved around the back of the eye D. In inserting the spring G, the eye D must first be taken out, then the spring put in its proper place and pressed back by the eye to admit the bolt E. This spring G prevents all rattling, and is far more durable and effective than rubber or other material heretofore used for the same purpose.

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

The **U**-shaped spring G, having one arm curved, as shown, and the other made straight and provided with the flange *a*, in combination with the clip B, having shoulder *b*, the arms C C, eye D, and bolt E, as and for the purposes set forth.

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

JOHN C. HENDRY.

Witnesses:
JOHN C. NEWTON,
MARQUIS F. JOSSELYN,