

Peter W. Reinshagen

110590

Assignor to Self and

PATENTED DEC 27 1870

John H. Buckman

Shaft Coupling

Fig. 1

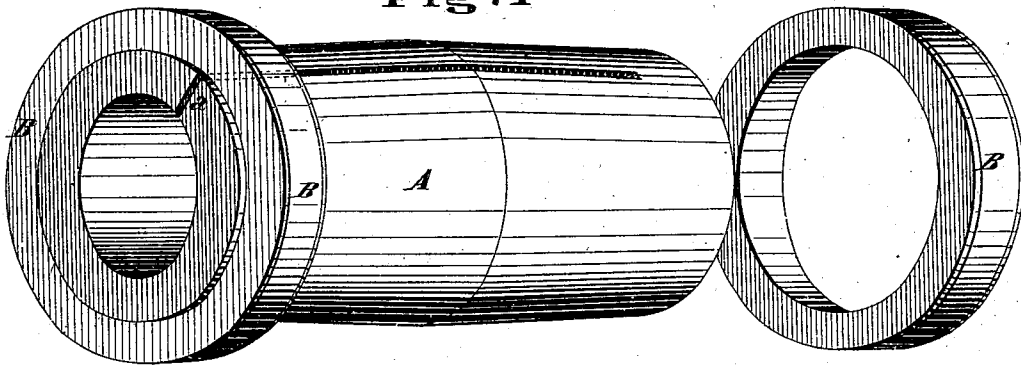
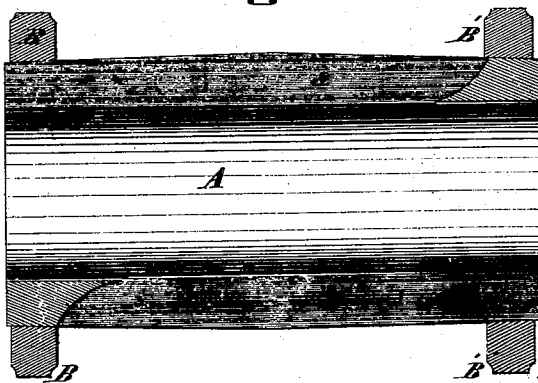


Fig. 2



Attest

Henry Trillward
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By J. Millward
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United States Patent Office.

PETER W. REINSHAGEN, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF
AND JOHN H. BUCKMAN, OF SAME PLACE.

Letters Patent No. 110,590, dated December 27, 1870.

IMPROVEMENT IN SHAFT-COUPPLINGS.

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, PETER W. REINSHAGEN, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Shaft-Couplings; and I do declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification.

Nature and Objects of Invention.

My invention consists of a sleeve, which, although in one piece, is slit nearly the whole length upon both sides in such a way that, in connection with driving rings or other suitable compressing devices, is made to inclose the shaft tightly throughout the entire length of the sleeve.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of my improved coupling with one of the driving-rings removed.

Figure 2 is an axial section of the coupling complete.

General Description.

A is a sleeve, bored to fit the shaft to be coupled, and turned doubly tapering upon the outside, as shown.

It is split or cut through on both sides at *a* and *a'*, by means of a "milling" tool or other suitable instrument, the cuts commencing, as shown, from opposite ends, as well as opposite sides, and terminating before the sleeve is cut in two.

This device, it will be seen, retains the sleeve in one piece, which is a very important feature, makes a double cut to obtain a great range of elasticity, and still secures an equal pressure upon the shaft throughout the entire length of the sleeve when compressed.

The rings B B', being bored tapering to fit the sleeve, serve to compress the sleeve when driven on, although other devices may be used to accomplish the same result.

Claim.

In connection with suitable compressing devices B B', or equivalent, the spring sleeve A *a a'*, when the same is split from opposite ends and opposite sides, in the manner and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

PETER W. REINSHAGEN.

Witnesses:

FRANK MILLWARD,
J. L. WARTMANN.