

No. 847,114.

PATENTED MAR. 12, 1907.

F. H. ROEWE & W. A. MATHEWS.

ROPE COUPLING.

APPLICATION FILED NOV. 4, 1905.

Fig. 1.

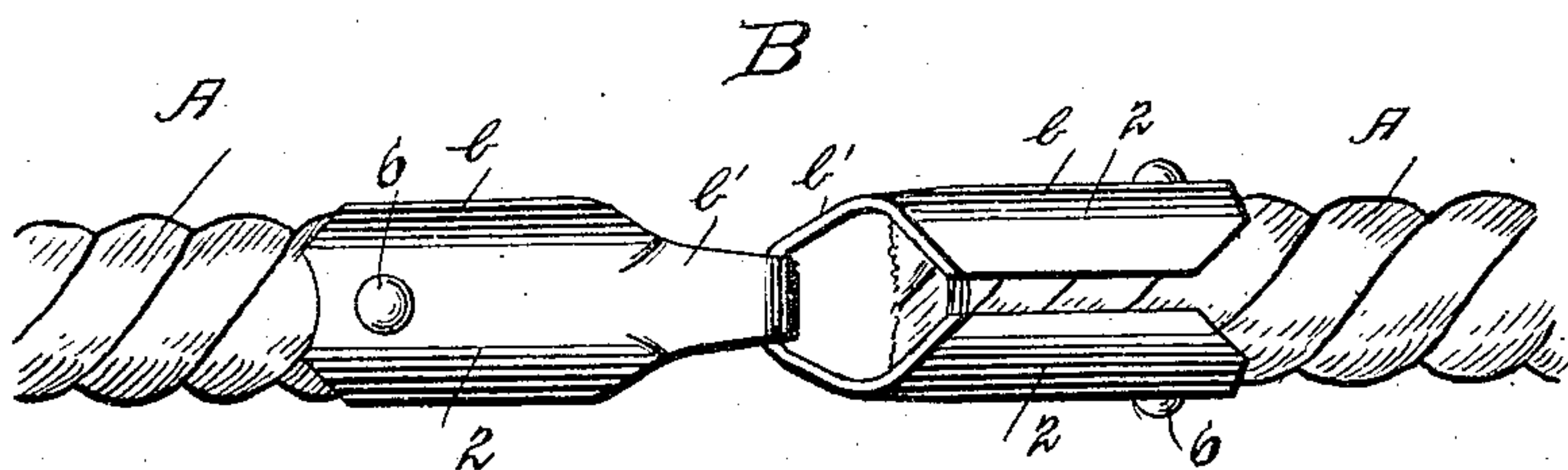


Fig. 2.

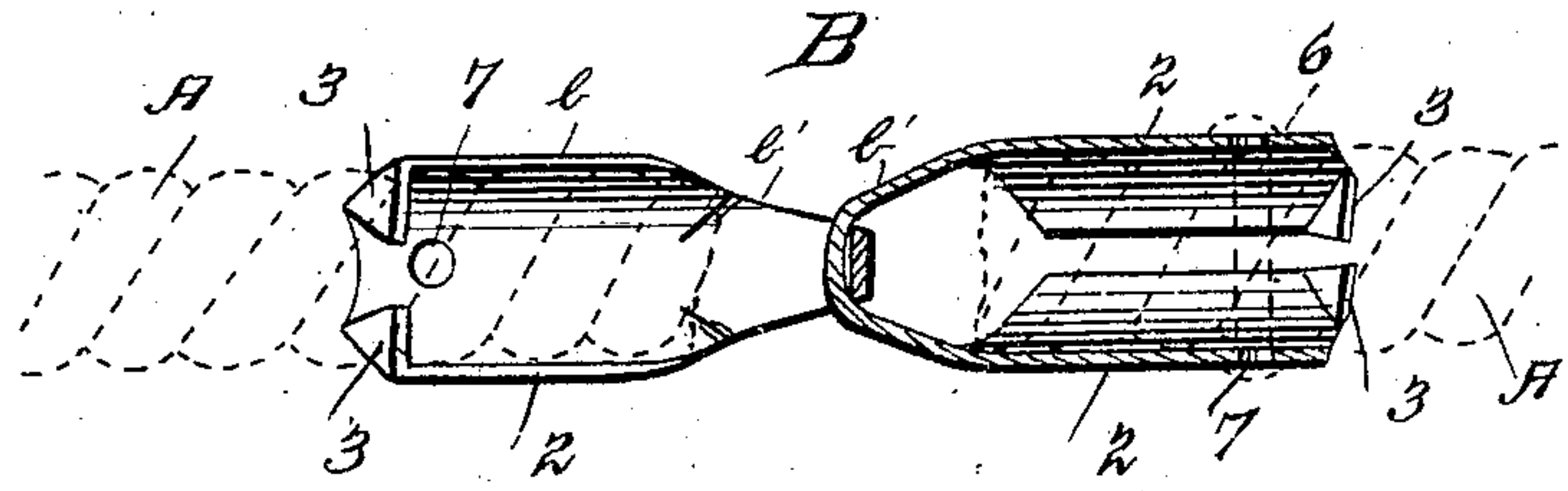
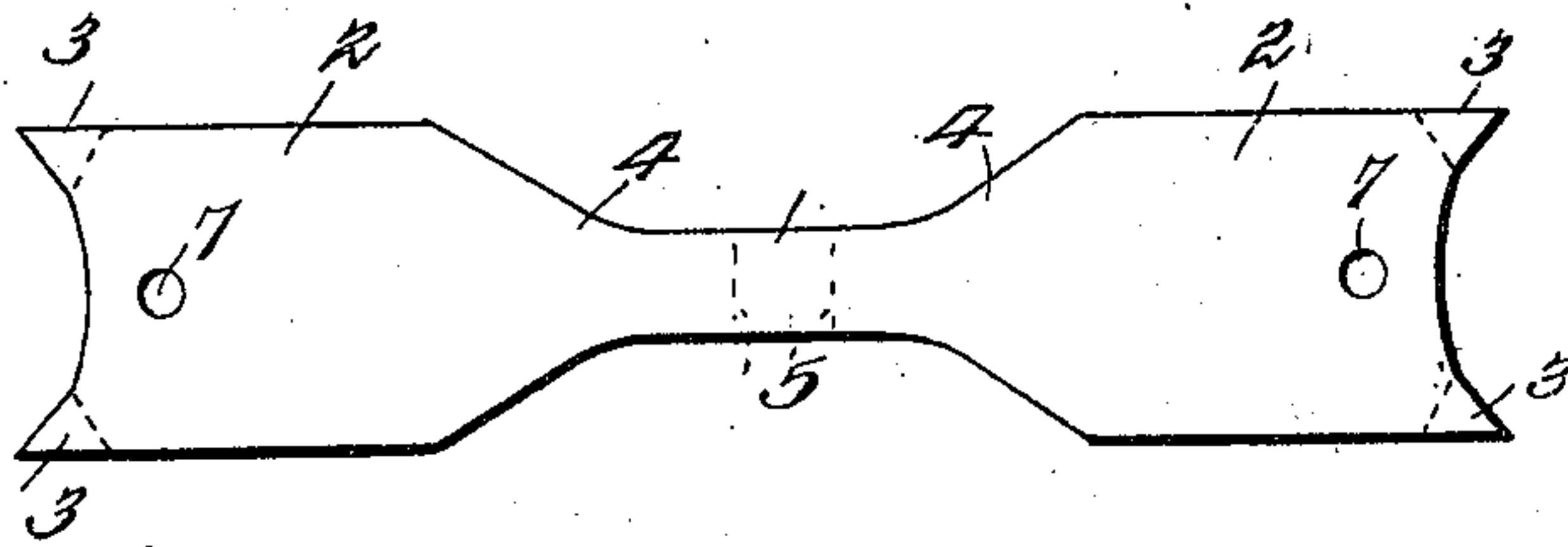


Fig. 3.

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# UNITED STATES PATENT OFFICE.

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## ROPE-COUPLING.

No. 847,114.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed November 4, 1905. Serial No. 285,946.

*To all whom it may concern:*

Be it known that we, FREDERICK H. ROEWE and WILLIAM A. MATHEWS, citizens of the United States, residing at Fennimore, in the county of Grant and State of Wisconsin, have invented new and useful Improvements in Rope-Couplings, of which the following is a specification.

Our invention relates to rope-couplings; and its primary object is to provide a novel and highly useful device of this character wherein the members thereof are each constructed from a single blank of some suitable sheet metal and wherein said members are so connected as to obviate any liability of their accidental separation.

A further object of the invention is to provide a rope-coupling which is comparatively simple of construction and which may be manufactured and sold at a comparatively low cost.

With the above and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter fully described, claimed, and illustrated in the accompanying drawings, wherein—

Figure 1 is a view in side elevation of a rope-coupling constructed in accordance with our invention, the same being shown applied to the ends of a rope. Fig. 2 is a plan view of the blank from which each member of the coupling is constructed; and Fig. 3 is a central longitudinal sectional view of a coupling.

Referring to the drawings by reference characters, the letter A denotes the ends of a cord, and the letter B the coupling.

The coupling B comprises two members, which are secured firmly to the ends of the cord A and which engage each other in such a manner as to obviate all liability of the members thereof becoming accidentally separated. Each member of the coupling comprises a tubular rope-end-embracing portion *b* and an interlocking loop *b'*. Each member is formed from a single blank of some suitable cheap metal of the construction illustrated in Fig. 2 of the drawings. The blank is provided with two enlarged portions

2, having their outer ends removed arcuately to provide these portions with pointed corners, which are adapted to be bent to form two rope-engaging tangs 3, and with an intermediate portion 4. The portion *b* of each member is formed from the enlarged portions 2, while the loop is formed from the reduced portion 4. To form the member from the blank, the corners are first bent to position the tangs, so as to adapt them for ready insertion into the rope, and then the longitudinal edges of the sections 2 are bent upward to give to the sections approximately semi-circular formations in cross-section, so as to adapt the sections for embracing the rope ends. After the tangs 3 and sections 2 have been thus bent the blank is bent upon the dotted lines 5 of Fig. 2, whereby to form the interlocking loop *b'* and dispose the sections 2 in spaced and parallel relation. This arrangement of the sections 2 forms the tubular rope-end-embracing portion *b*, and the sections thereof are caused to firmly embrace the ends by means of a bolt 6, extending through the registered openings 7 and through the end of the rope and upset. In securing the sections about the rope end the tangs 3 are caused to penetrate the cord, said tangs serving to prevent the placing of all strain upon the bolt 6. It is apparent that each member of the coupling is secured firmly in applied position and that all liability of their becoming accidentally displaced is obviated. The interlocking loops *b'* of the members engage each other, as fully illustrated in Figs. 1 and 3 of the drawings, and flexibly connect the ends of the cord.

Having thus described the invention, what we claim, and desire to secure by Letters Patent, is—

The herein-described rope-coupling consisting of two members of like construction each formed from a single sheet-metal blank, and provided with two enlarged end portions, and an intermediate reduced portion, the ends of said enlarged portions being inwardly curved and provided with pointed terminal corners, said corners being bent inwardly to provide rope-engaging tangs, the reduced intermediate portion being bent



upon itself to form a loop and the enlarged portions being bent into semicircular form in cross-section to engage the opposite sides of the end of a rope, the two loops formed on  
5 the two members being connected, and a bolt passing through each member to secure the same to the opposite ends of a rope, essentially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

FRED. H. ROEWE.  
WILLIAM A. MATHEWS.

Witnesses:

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