

R. Richards,

Watch Chain.

No. 109666.

Patented Nov. 29, 1870.

Fig. 1

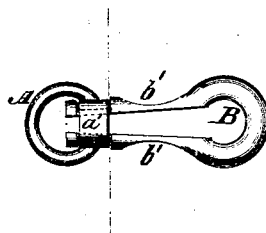
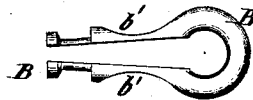


Fig. 2.



Fig. 3.



Witnesses:

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United States Patent Office.

RICHARD RICHARDS, OF ALBANY, NEW YORK.

Letters Patent No. 109,666, dated November 29, 1870.

IMPROVEMENT IN SAFETY-SWIVELS.

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, RICHARD RICHARDS, of Albany, in the county of Albany and State of New York, have invented a new and useful Improvement in Safety-Swivel for Chains; 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 make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a side view of my improved safety-swivel.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Figure 3 is a detail side view of a part of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved safety-swivel for connecting watches to their chains, which shall be simple in construction, easily attached and detached, and which shall at the same time be strong, secure, and not liable to become accidentally detached; and

It consists in the swivel, constructed as hereinafter more fully described.

A is the ring, which is attached to or formed upon the chain or guard, and which is made exactly like

the ordinary swivel-ring, except that the eye, *a*, should be made larger.

B is the loop or link of the swivel, the arms, *b*, of which are made elastic, so that their outer ends may be pressed together, and which shall at the same time have sufficient strength to prevent them from being accidentally pressed together.

Around the outer sides of the ends of the arms *b* is formed a groove, as shown in fig. 3, of such a size that the eye of the ring A may fit into it, as shown in figs. 1 and 2.

By this construction, by pressing the arms *b* together, the loop or link B may be readily detached from the eye *a* of the ring A, passed through the ring of the watch, and again inserted in the eye *a*.

The swivel A B, constructed as herein shown and described, may be used with advantage for various other purposes.

Having thus described my invention,

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

The swivel A *a* B *b*, constructed substantially as herein shown and described, and for the purpose set forth.

Witnesses:

RICHARD RICHARDS.

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