

(No Model.)

C. E. RICHARDS.

SWIVEL HOOK FOR ORNAMENTAL CHAINS.

No. 274,033.

Patented Mar. 13, 1883.

Fig. 1.

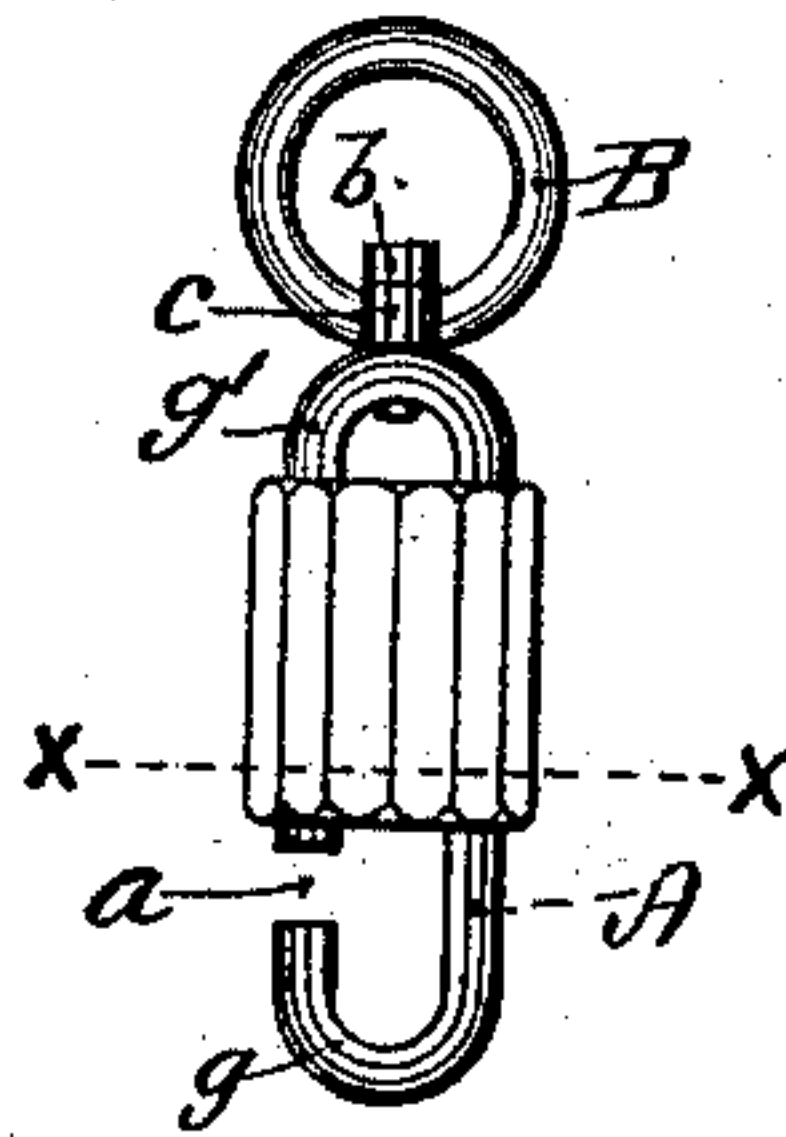


Fig. 2.

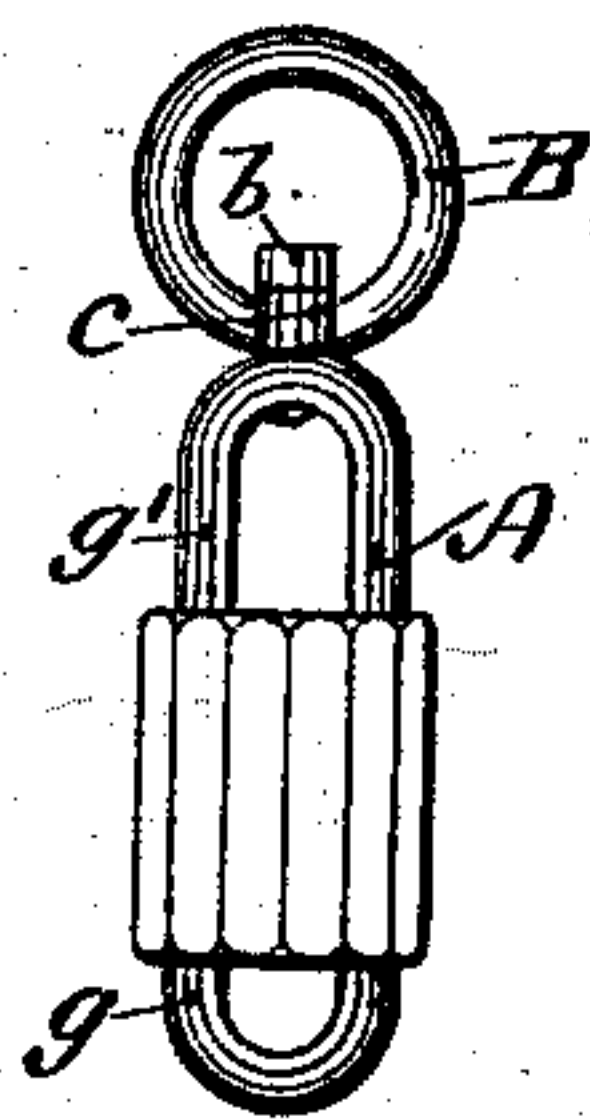


Fig. 3.

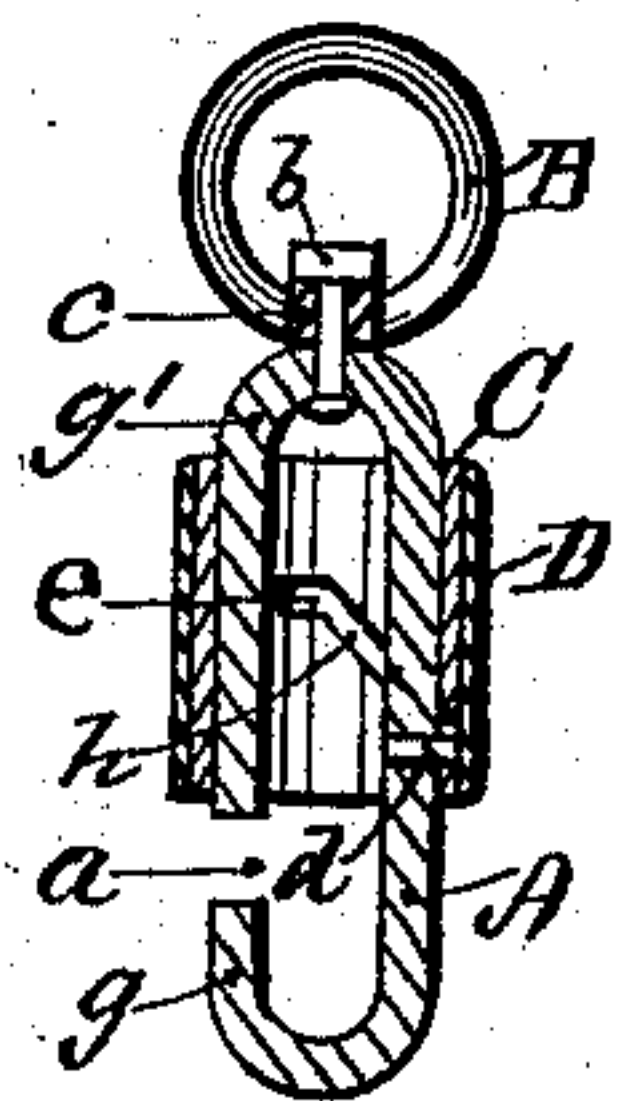


Fig. 5.

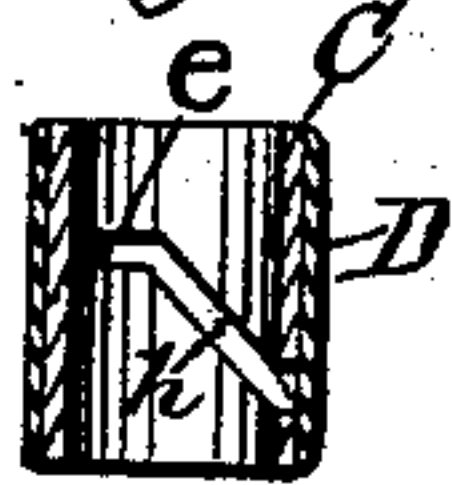
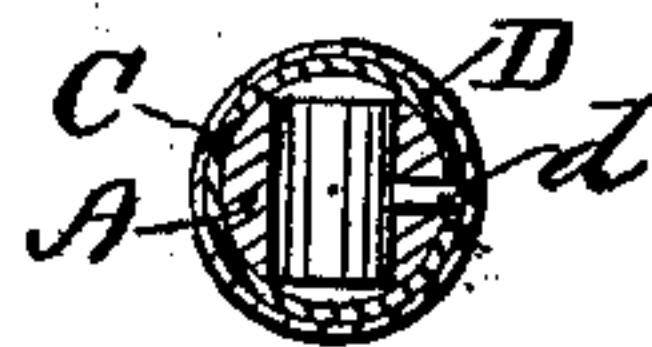


Fig. 6.



Fig. 4.



Witnesses.

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# UNITED STATES PATENT OFFICE.

CELIUS E. RICHARDS, OF NORTH ATTLEBOROUGH, MASSACHUSETTS.

## SWIVEL-HOOK FOR ORNAMENTAL CHAINS.

SPECIFICATION forming part of Letters Patent No. 274,033, dated March 13, 1883.

Application filed January 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, CELIUS E. RICHARDS, of North Attleborough, in the county of Bristol and State of Massachusetts, have invented  
5 an Improvement in Swivel-Hooks for Ornamental Chains, of which the following is a specification.

The nature of my invention consists in a single wire bent to form two opposite hooks,  
10 open at one side, and combined with an ornamental sliding band for covering the opening between the ends of the hook.

Figure 1 is a side elevation of the improved swivel-hook open. Fig. 2 is a side elevation  
15 of the same closed. Fig. 3 is a central longitudinal section. Fig. 4 is a transverse section taken in the line *xx* of Fig. 1. Figs. 5 and 6 are detail sections.

In the drawings, A is the hook, formed of a  
20 piece of half-round wire bent at both ends, thus forming the two opposite hooks, *g g'*, with the open space *a* between their ends, which space is made of sufficient width to receive the ring of a watch or other article to be attached  
25 to the chain. At the bend *g'* of the bent-wire hook A is placed the swivel-ring B, which turns on the pivot *b*, passing through the hub *c* of the swivel-ring. To the continuous side of the hook A is attached the stud *d*, which enters  
30 the groove *h* of the hollow screw C, covered by

the ornamental band D, attached to the screw. The screw-tube C is placed over the upper arm of the hook, so that the stud *d* will enter the groove of the screw C, when by turning the tube C D in the proper direction it will be  
35 caused to move spirally forward to cover the space *a* between the ends of the hook. By reversing the movement of the screw-tube C D the tube will be moved spirally back, so as to uncover the space *a*, thus allowing the re-  
40 moval of the ring of the watch or other article from the hook A.

I prefer to form a notch, *e*, at the upper end of the screw, into which the stud *d* will pass, and serve to prevent the screw-sleeve C D  
45 from being forced back by direct upward pressure.

Instead of the spiral groove of the screw, a straight groove, *f*, terminating at a lateral notch, *e*, may be employed, as shown in Fig. 6.  
50

I claim as my invention—

The combination of the swivel-ring and double-ended wire hook, provided with the sleeve-guiding stud, with the grooved sleeve for covering the ends of the hook, substan-  
55 tially as described.

CELIUS E. RICHARDS.

Witnesses:

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