

(No Model.)

P. WUNDERLE.  
CABLE CLIP.

No. 560,828.

Patented May 26, 1896.

Fig. 1.

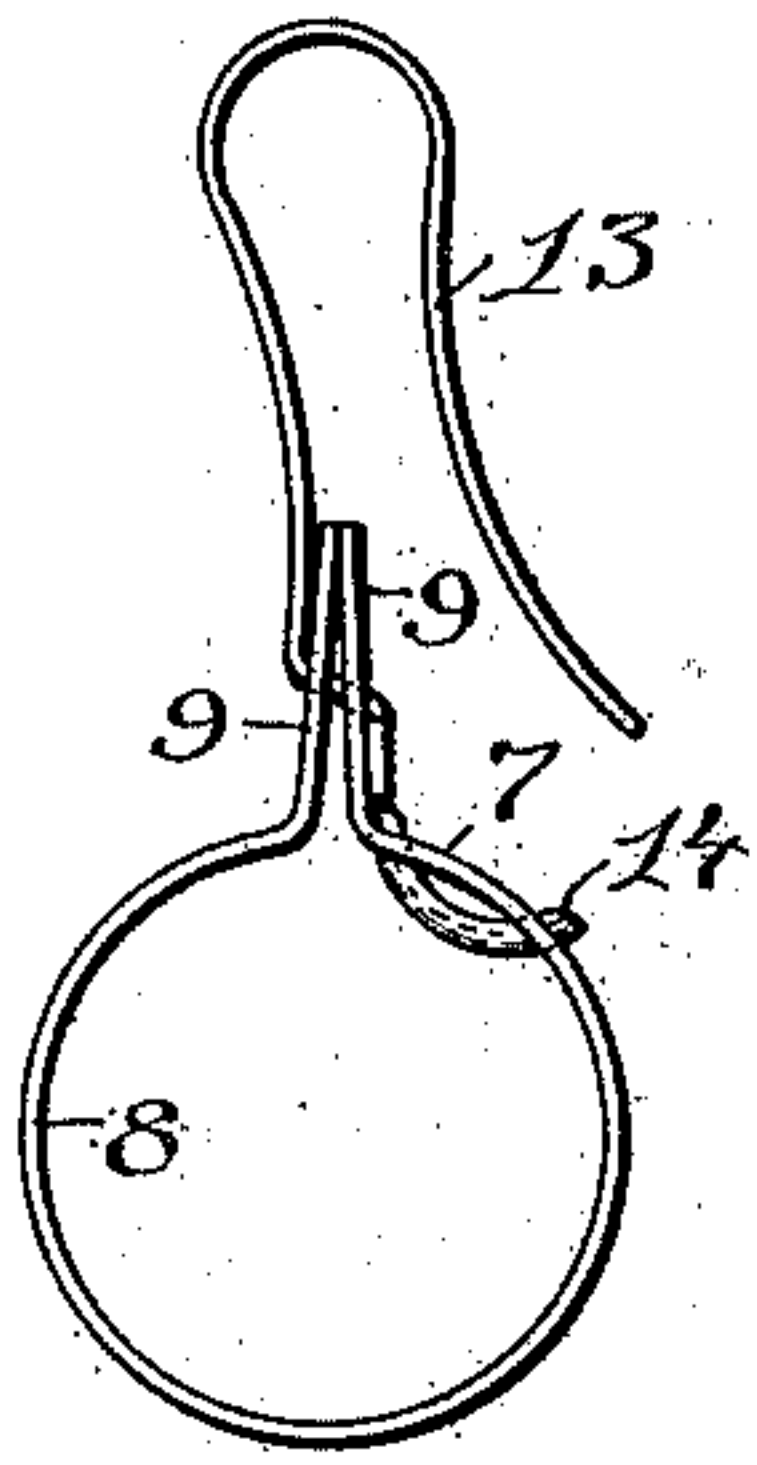


Fig. 3.

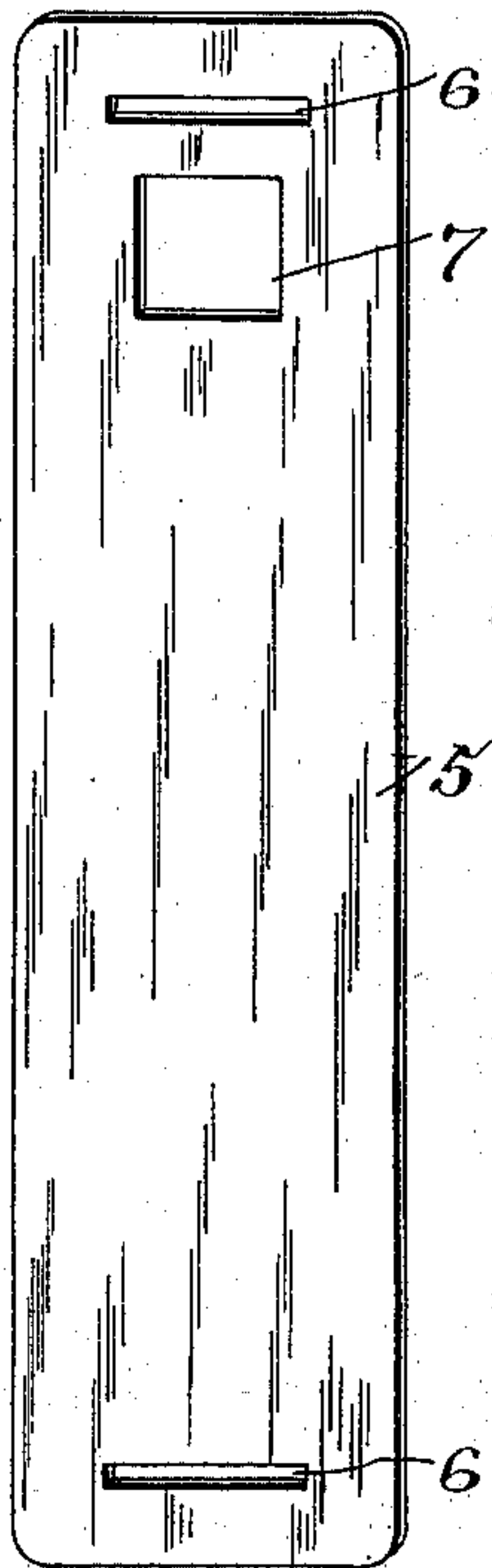


Fig. 2.

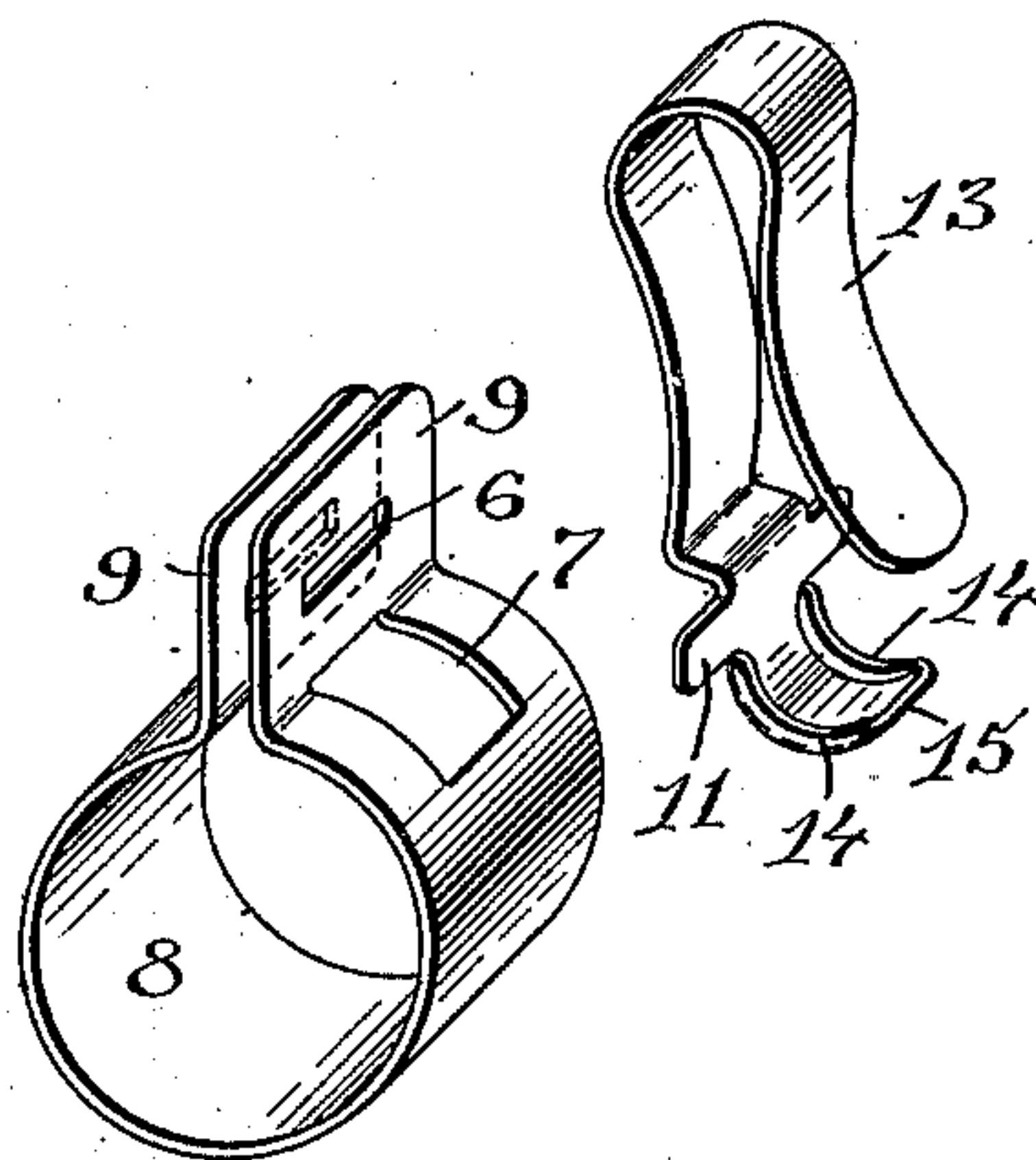
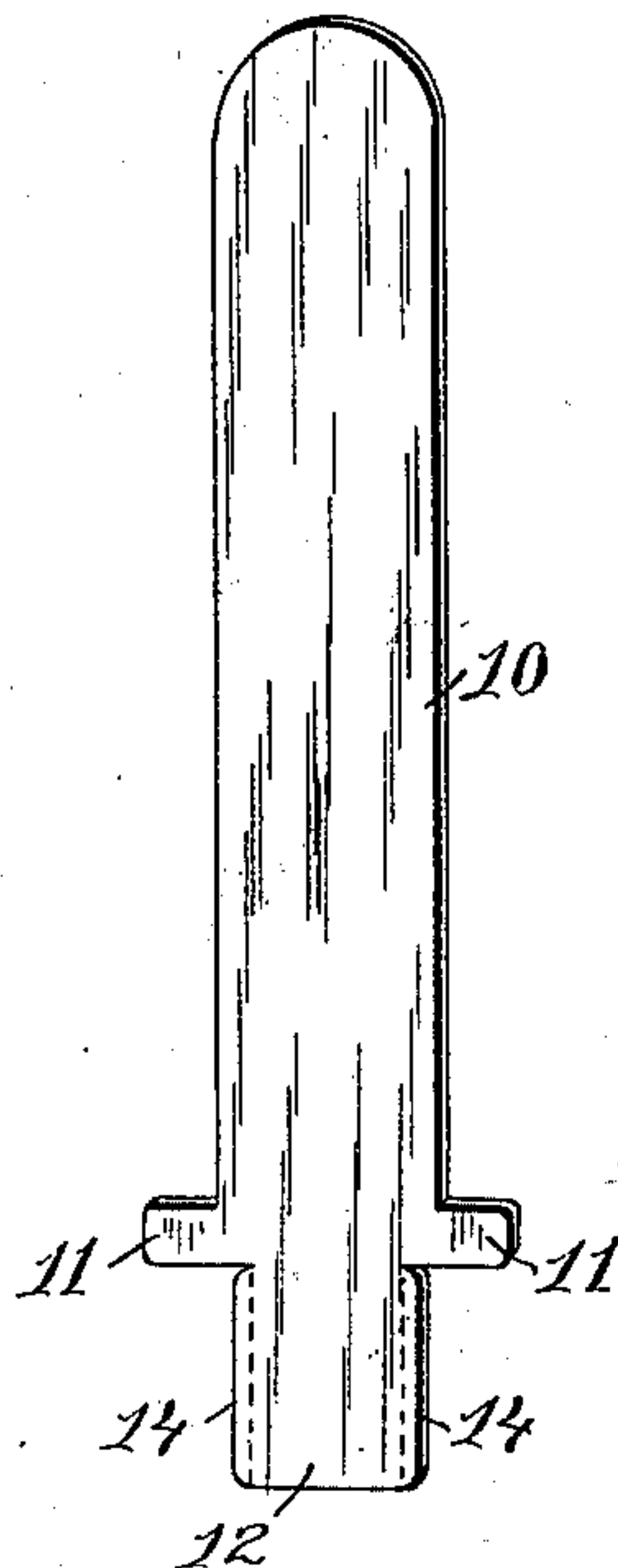


Fig. 4.



WITNESSES:

M. F. Deigh.  
Chas. H. Luther Jr.

INVENTOR:

Philip Wunderle,  
By Joseph A. Miller & Co.  
Attys.



# UNITED STATES PATENT OFFICE.

PHILIP WUNDERLE, OF PROVIDENCE, RHODE ISLAND.

## CABLE-CLIP.

SPECIFICATION forming part of Letters Patent No. 560,828, dated May 26, 1896.

Application filed March 24, 1896. Serial No. 584,615. (No model.)

*To all whom it may concern:*

Be it known that I, PHILIP WUNDERLE, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Cable-Clips; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The invention has reference to an improvement in the clips used to support electric and similar cables. Electric cables containing a number of electric conductors insulated from each other are usually inclosed in a cover made of rubber or other elastic material impervious to moisture. These cables are supported by a stout wire, from which they are suspended at frequent intervals by means of metallic clips inclosing the cable and provided with a hook which extends over the supporting-wire. The hooks are liable to slip on the supporting-wire. It is therefore essential that the clip be securely held on the cable.

The object of this invention is to securely hold the clip in the adjusted position on the cable without injury to the covering of the same; and to this end the invention consists in the peculiar and novel construction of the clip, more fully described hereinafter, by which the hook is pressed into the covering of the cable and holds the clip without piercing or injuring the cable.

Figure 1 is an end view of the clip, showing the lower end of the hook projecting through the clip. Fig. 2 is a perspective view of the clip, showing the hook disconnected therefrom. Fig. 3 is a perspective view of the blank from which the band or clip is bent, and Fig. 4 is a perspective view of the blank from which the hook is bent.

Similar numerals of reference indicate corresponding parts in all the figures.

In the drawings, 5 indicates the clip-blank, which is provided with the long slits 6 6 near the opposite ends and the rectangular opening 7. The central portion of the blank 5 is bent to form the cylindrical portion 8 of the clip and the end plates 9 9. The hook-blank 10 is provided with the lateral projections 11 11 and the end projection 12. The blank 10 is bent up to form the hook 13 and the projection 12 is bent to form the curved heel 15,

the edges 14 of which are bent upward, so as to increase the required rigidity and prevent injury to the covering of the cable when pressed into the same. When the cylindrical portion 8 has been passed around the cable so as to inclose the same, the hook 13 is entered into the slits 6 6 until the lateral projections 11 11 bear on the face of one of the end plates 9. The hook is now passed over the supporting-wire and the weight of the cable will swing the hook into the position shown in Fig. 1, thereby drawing the end plates 9 9 together, so that the cylindrical portion 8 of the clip bears firmly on the cable and also embedding the curved heel 14, which passes through the rectangular opening 7 into the covering of the cable. The rounded edges of the heel 15 prevent injury to the covering, while the embedded heel 15 prevents all longitudinal displacement of the clip.

The improved clip forms a durable and firm support for an elastic cable that can be readily secured or removed from the cable.

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

1. In a cable-clip, the combination with the metallic blank 5 provided with the slits 6 6 and the opening 7 bent up into the cylindrical portion 8, and the end plates 9 9, of the hook 13 having the lateral projections 11 adapted to bear on one of the end plates, and the heel 15 whereby when the cable is supported the heel presses on the cable and holds the clip against lateral displacement, as described.

2. The combination with a cable-clip, of the supporting-hook 13 adapted to secure the ends of the clip-band together and having the curved heel 15 provided with the bent-up edges 14 projecting from the lower end of the hook, whereby the weight of the suspended cable acts to force the heel-portion of the hook into the covering of the cable, as described.

In witness whereof I have hereunto set my hand.

PHILIP WUNDERLE.

Witnesses:

M. F. BLIGH,

JOSEPH A. MILLER, Jr.