

(No Model.)

C. L. HOEFER.  
WATCH CASE PENDANT.

No. 413,398.

Patented Oct. 22, 1889.

Fig. 1.

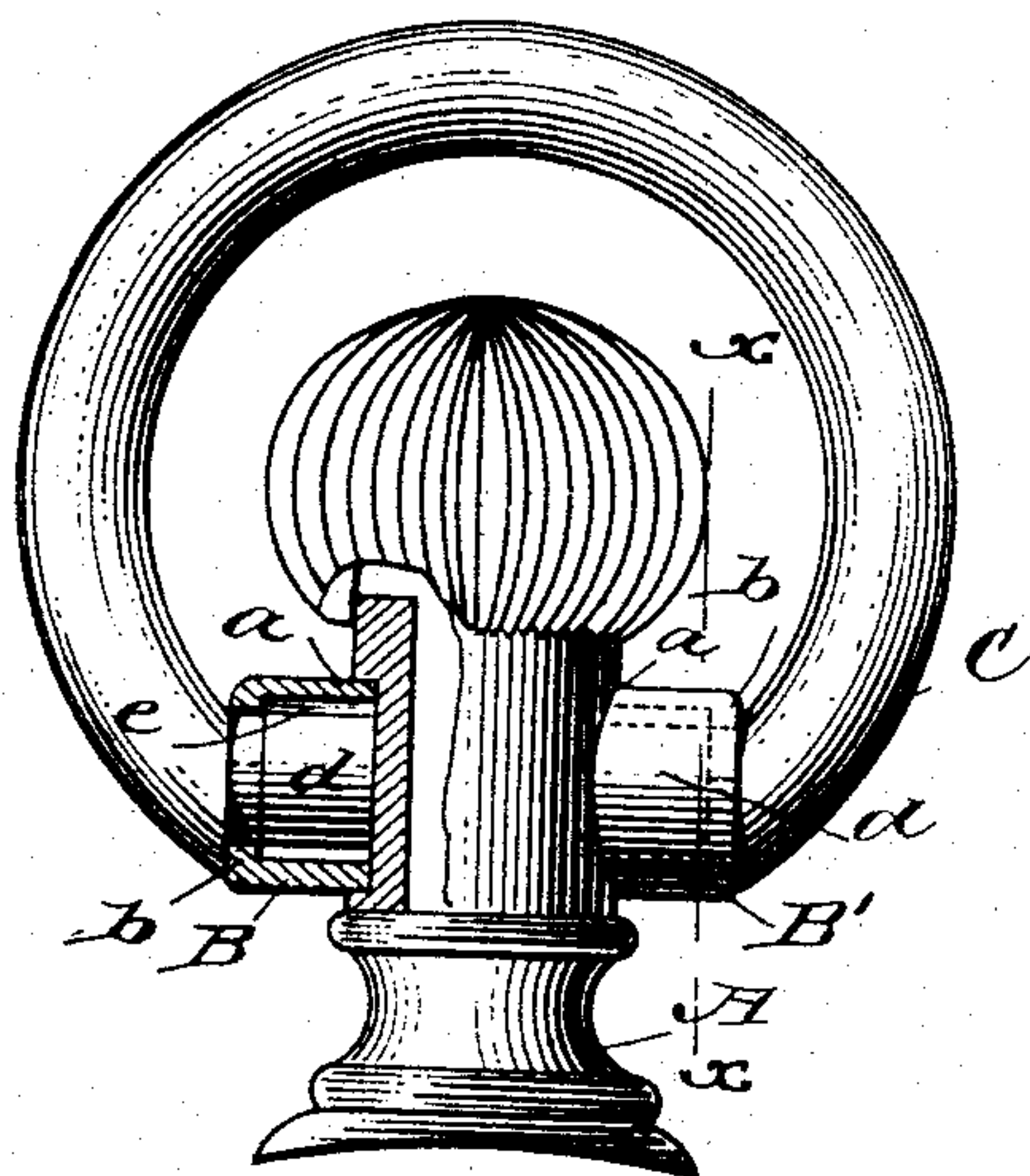


Fig. 2.

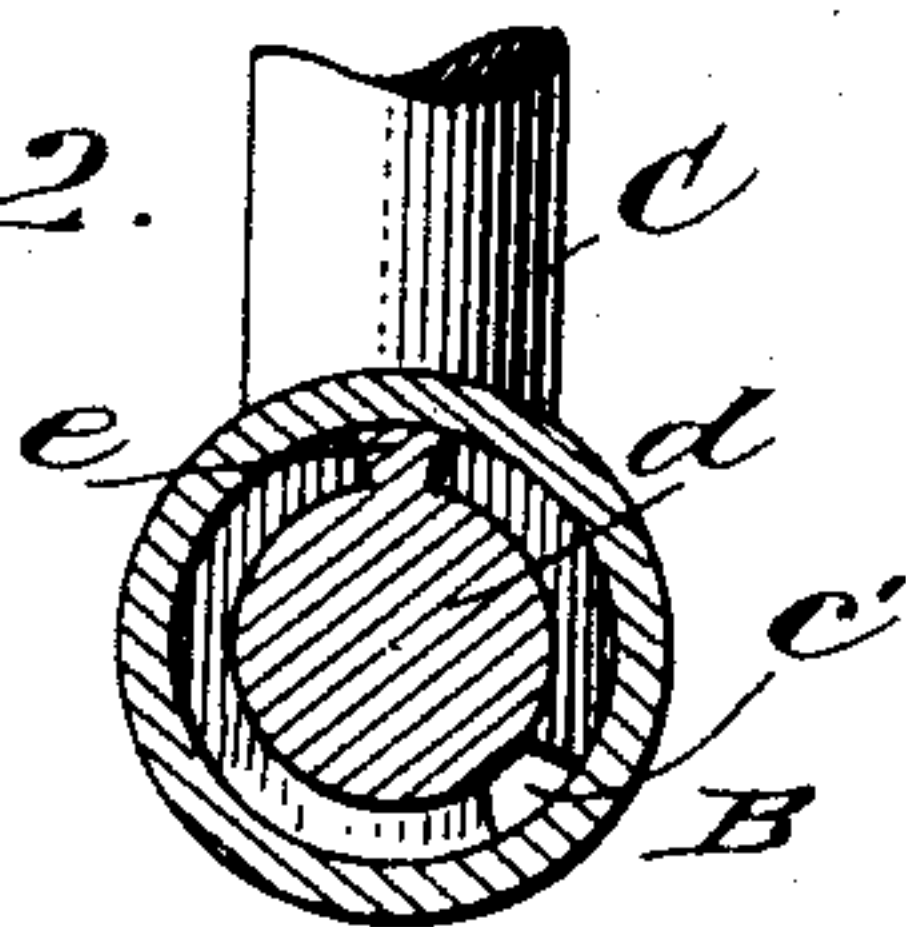


Fig. 3.

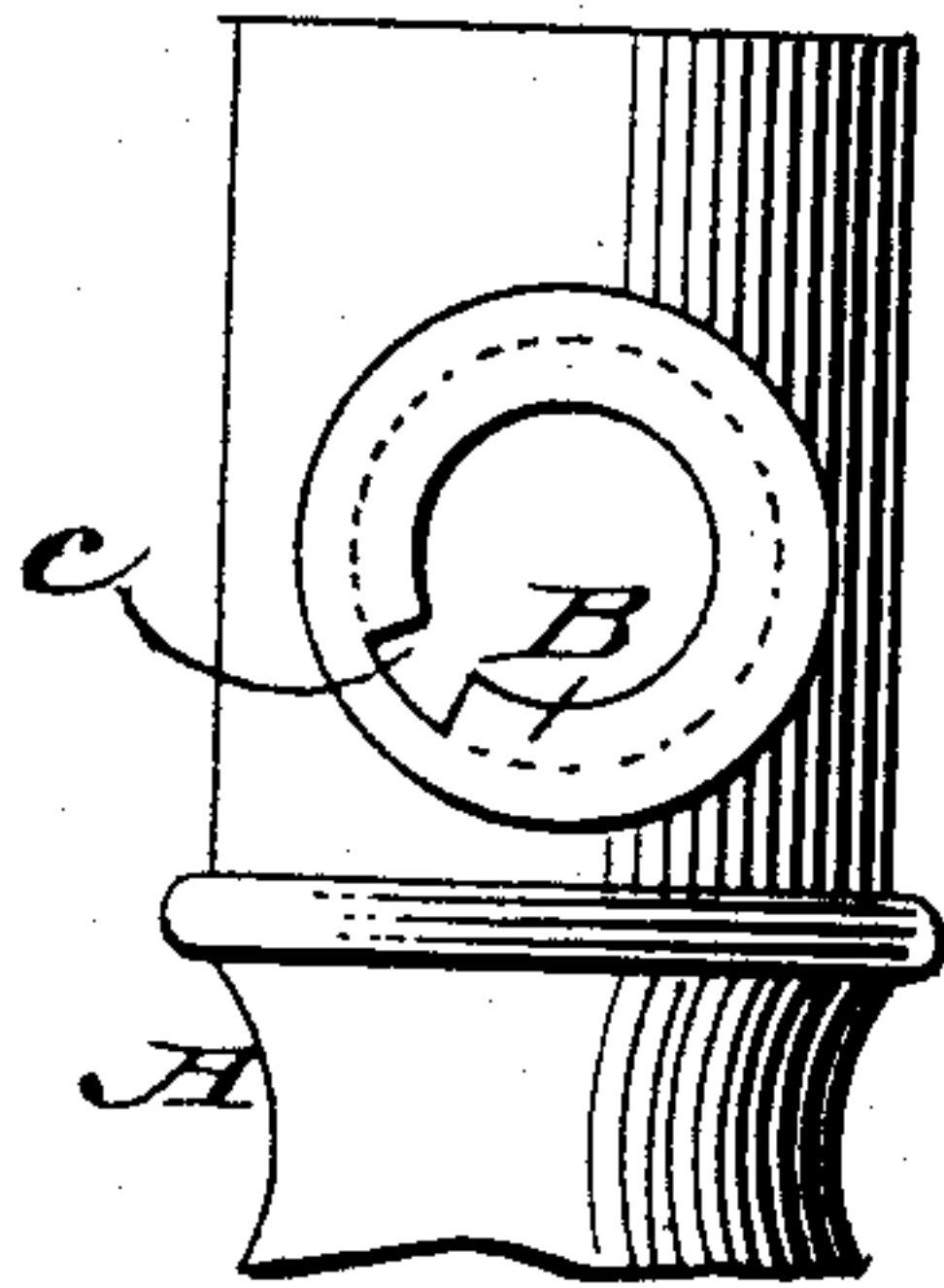
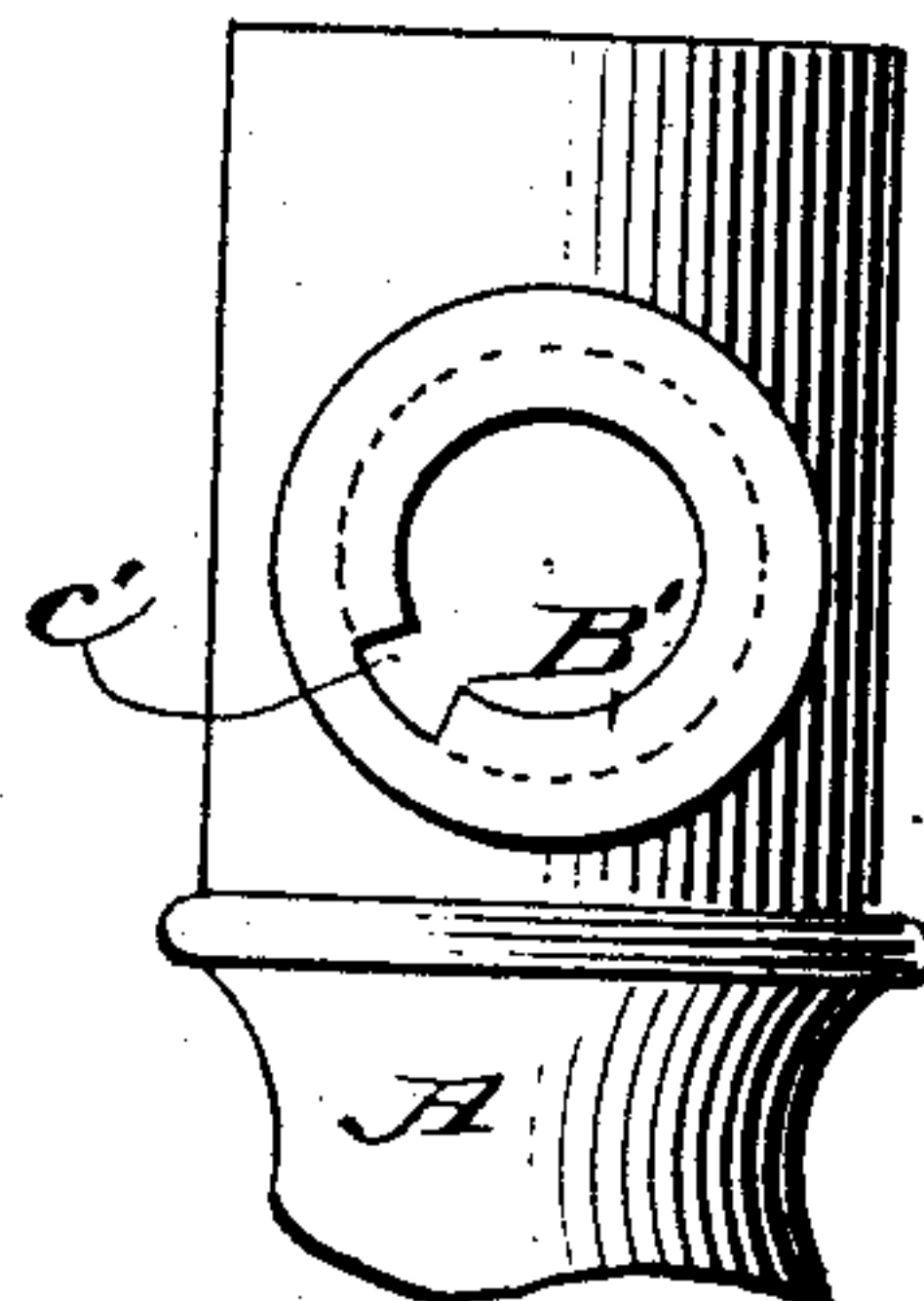


Fig. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

CHRISTIAN LUDWIG HOEFER, OF KEARNEY, NEBRASKA.

## WATCH-CASE PENDANT.

**SPECIFICATION** forming part of Letters Patent No. 413,398, dated October 22, 1889.

Application filed March 12, 1889. Serial No. 302,956. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTIAN LUDWIG HOEFER, of Kearney, in the county of Buffalo and State of Nebraska, have invented a new and Improved Watch-Pendant, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation, partly in section, of one form of watch-pendant constructed according to my improvement. Fig. 2 is a transverse section taken on line  $x x$  in Fig. 1. Fig. 3 is a side elevation of one side of a watch-pendant; and Fig. 4 is a side elevation of the opposite side of the watch-pendant, the bow being removed.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a watch-pendant and bow in which it will be impossible for the bow to become accidentally detached from the pendant.

My invention consists in a pendant provided at opposite sides with hollow bosses or sleeves having inwardly-projecting fillets at their outer extremities, the said fillets being notched, and the notch of the fillet of one boss being diametrically opposite the notch of the fillet of the other boss.

The invention also consists in the combination, with a pendant provided with the hollow bosses having the notched fillets, of a bow provided with inwardly-bent ends having lugs fitted to the notches of the bosses, the lug of one end of the bow being diametrically opposite that of the opposite end, all as will be hereinafter more fully described.

In the pendant A, which is of the usual form and construction, are made cylindrical recesses  $a$ , in which are inserted hollow bosses  $B B'$ , the said bosses being chambered out so as to form at their outer extremities fillets  $b$ . In the fillet of the boss  $B$  is formed a notch  $c$ , and in the fillet of the boss  $B'$  is formed a notch  $c'$ . The bow  $C$  is provided with inwardly-turned cylindrical ends  $d$ , which are exactly in line with each other, and which are adapted to enter the fillets of the bosses  $B B'$ . Lugs  $e$  are attached to or formed upon the cylindrical ends of the bow  $C$ , the said lugs being preferably located

upon the upper side of the cylindrical ends  $d$ . The notches  $c c'$  are preferably arranged at an angle of forty-five degrees with the pendant  $A$  and ninety degrees with each other, as shown. To insert the bow in the pendant, the bow is placed at an angle of forty-five degrees with the pendant, and one of the lugs  $e$  is inserted in the notch  $e'$  of the fillet of the boss  $B'$ . Then the bow is turned through three-quarters of a revolution, bringing the other lug  $e$  opposite the notch  $c$  of the boss  $B$ . The end of the bow springs into the boss, and the bow is pressed together, carrying the lug behind the fillet, when the bow is turned and is secured so that it cannot become accidentally disengaged from the pendant.

In the modification shown in Fig. 5 I have shown attached to the ends of the bow  $C'$  cylindrical pieces  $d'$  by means of screws  $e'$ , the heads of said screws being countersunk or let in below the surfaces of the pieces  $d'$ , and to the inner faces of the said pieces  $d'$  are attached disks  $f$  by means of solder or in any other convenient way, the said disks either being in vertical plane or outwardly convex, as shown in dotted lines in Fig. 5. The cylindrical pieces  $d'$  are sprung into cavities formed in opposite sides of the pendant  $A'$  and soldered, the disks  $f$  preventing the solder from coming in contact with the screws  $e'$ .

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

1. The combination, with the pendant  $A$ , of the hollow bosses  $B B'$ , provided with notched fillets  $b$ , and the bow  $C$ , having cylindrical ends  $d$  and lugs  $e$ , adapted to enter the notches of the fillets, substantially as specified.

2. The combination, with the pendant  $A$ , of the hollow bosses  $B B'$ , provided with the fillets  $b$ , having notches  $c c'$ , and the bow  $C$ , provided with the cylindrical ends having lugs  $e$ , adapted to enter the notches  $c c'$ , substantially as specified.

CHRISTIAN LUDWIG HOEFER.

Witnesses:

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WILLIAM C. CROLL.