

J. C. DORAN.
COLLAR SUPPORTER.
APPLICATION FILED JAN. 20, 1909.

928,250.

Patented July 20, 1909.

Fig. 1.

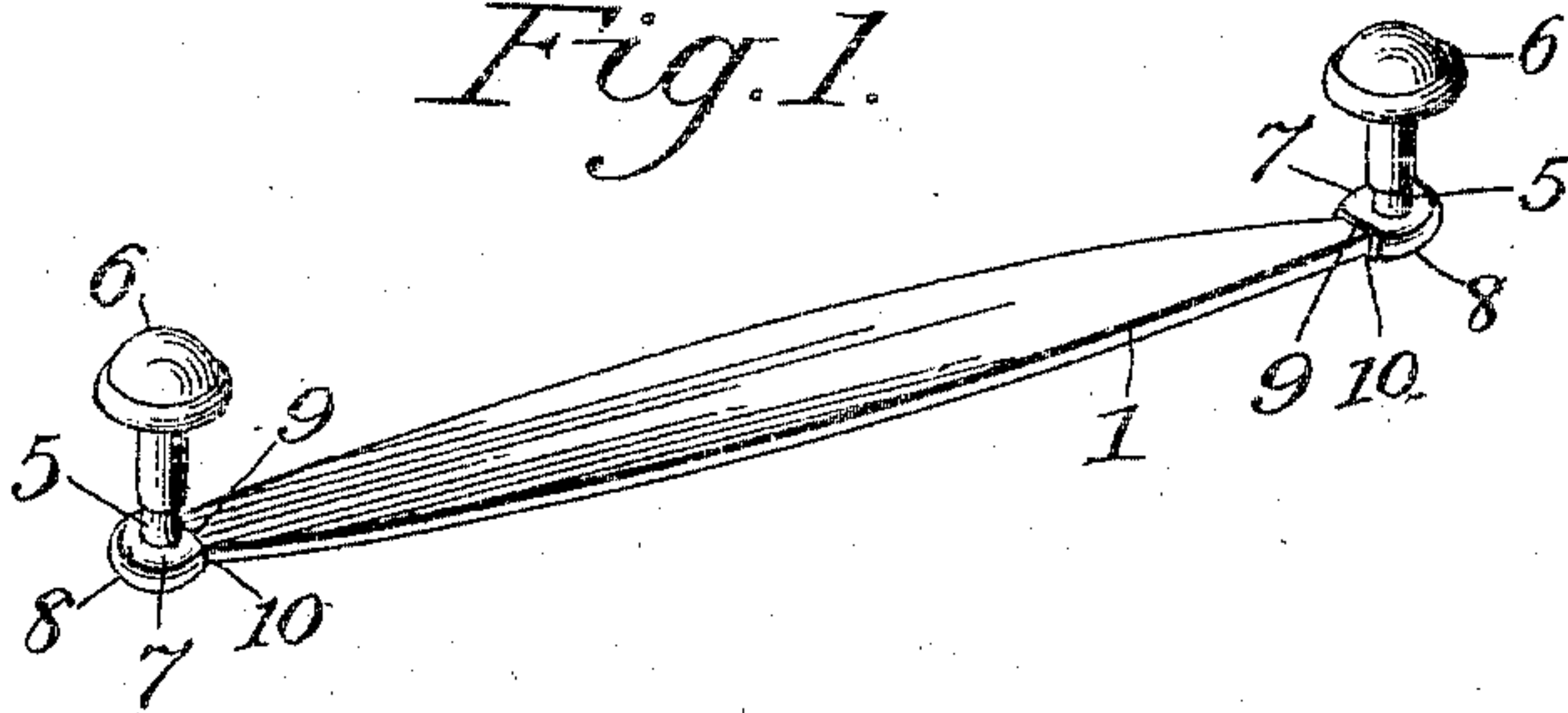


Fig. 2.

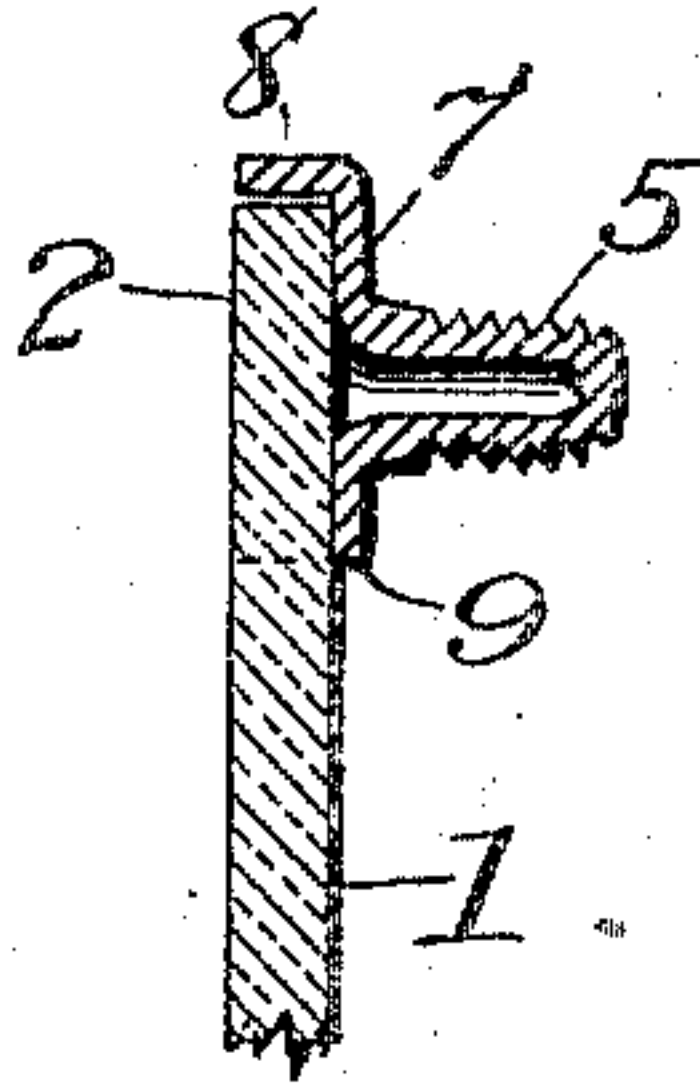


Fig. 3.

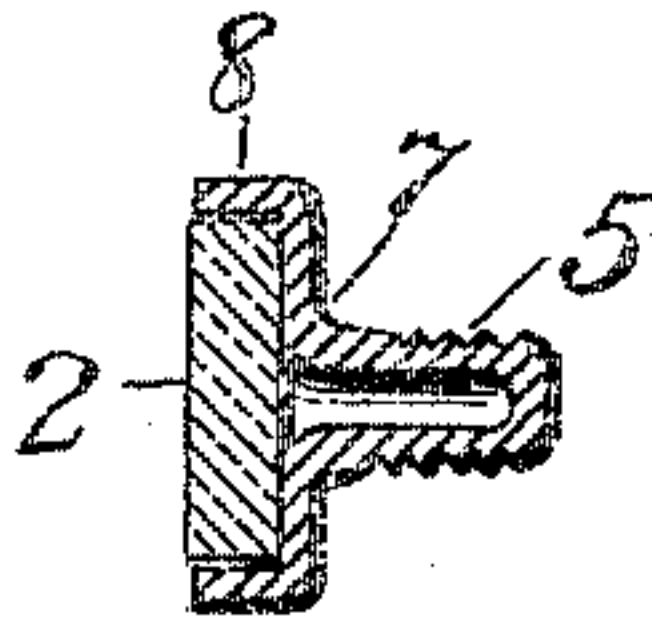


Fig. 4.

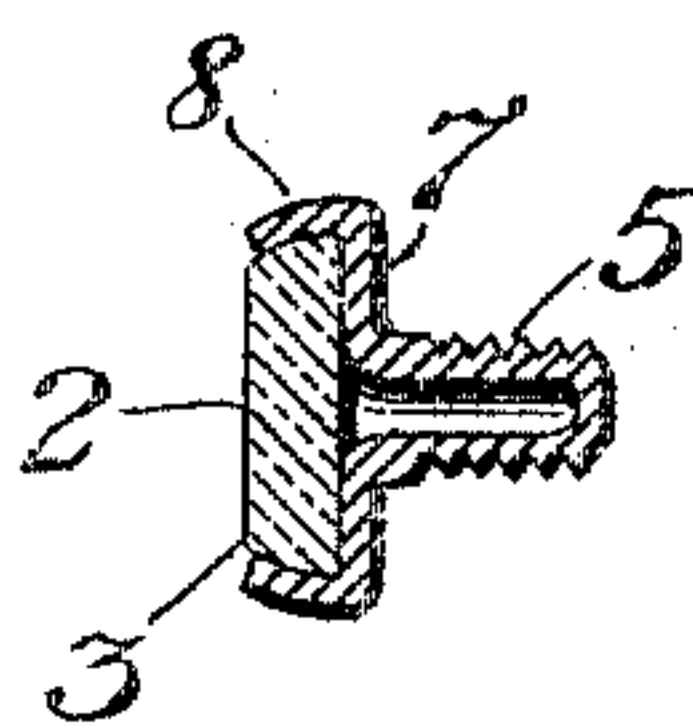


Fig. 5.

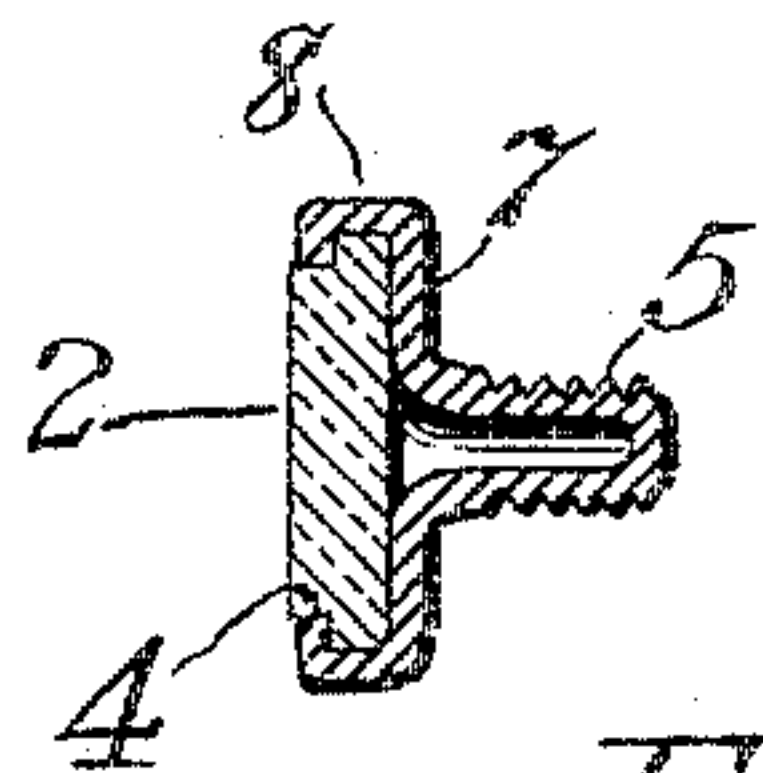


Fig. 6.

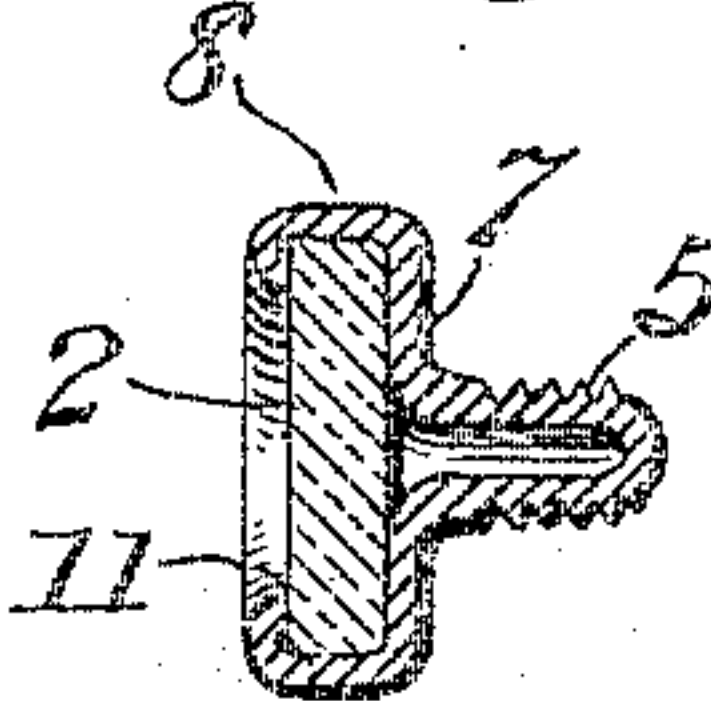


Fig. 7.

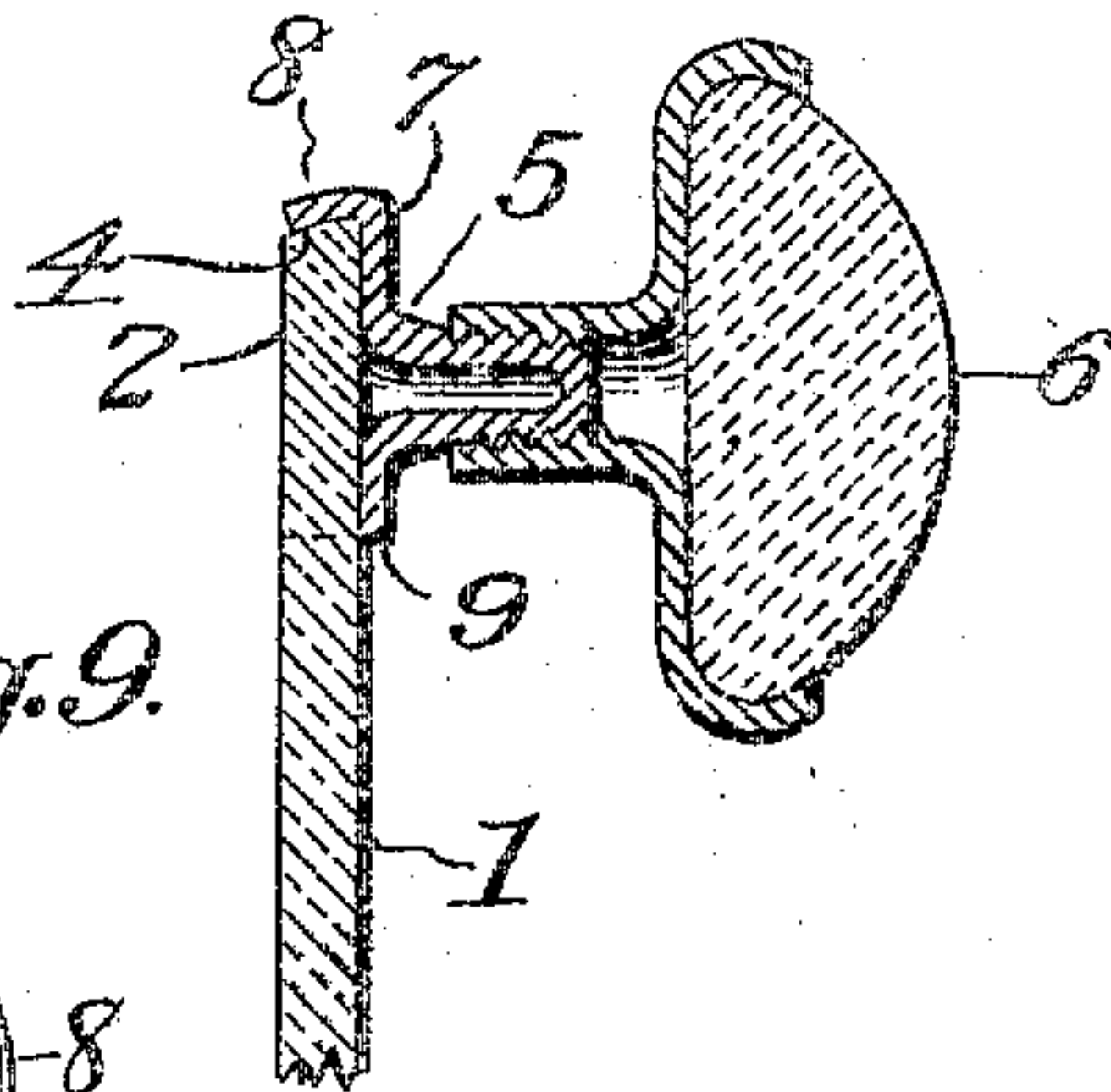


Fig. 8.

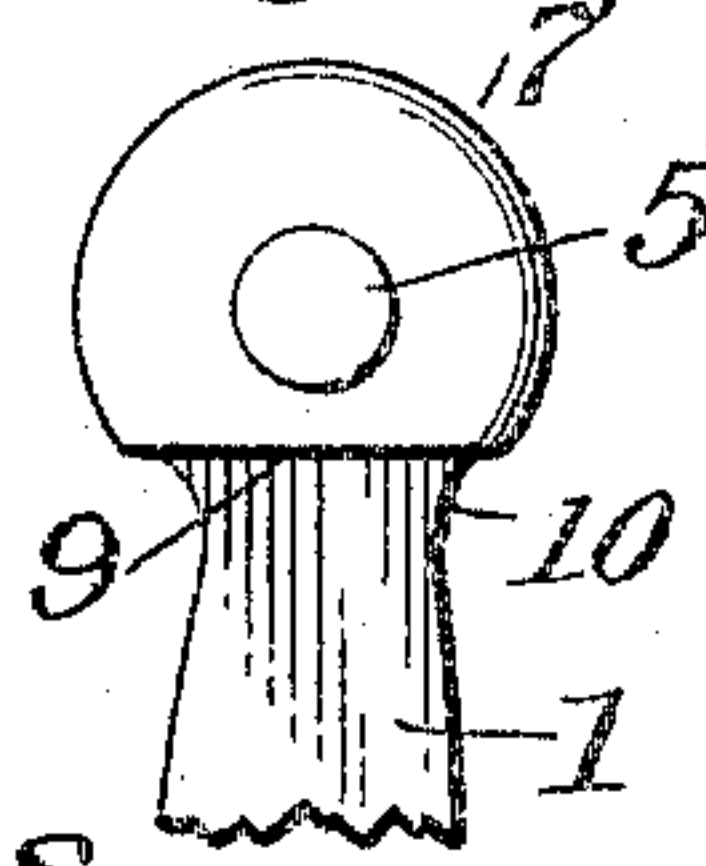
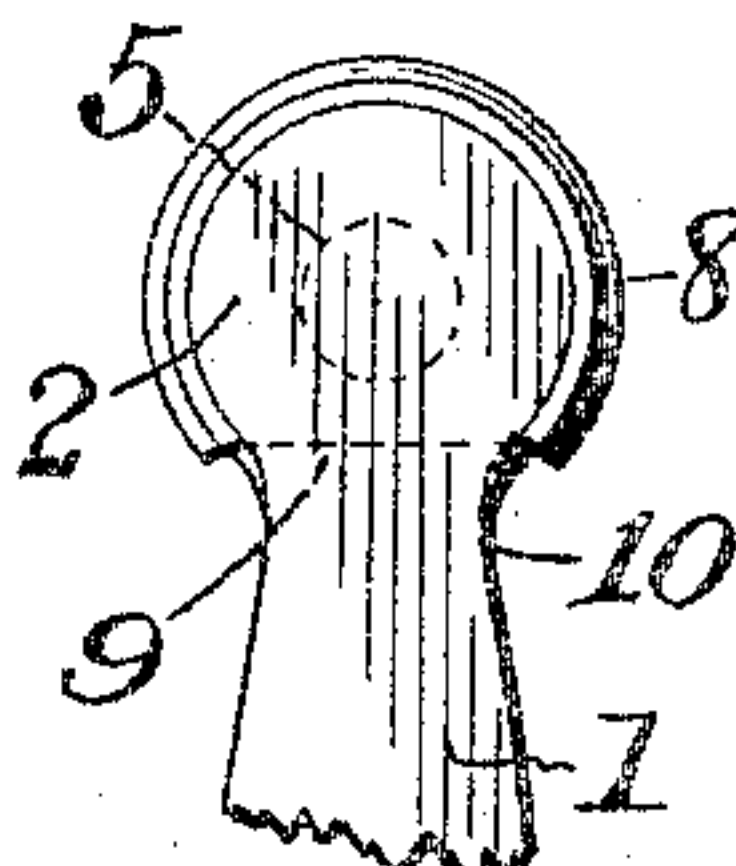


Fig. 9.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES C. DORAN, OF PROVIDENCE, RHODE ISLAND.

COLLAR-SUPPORTER.

No. 928,250.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed January 20, 1909. Serial No. 473,294.

To all whom it may concern:

Be it known that I, JAMES C. DORAN, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Collar-Supporters, of which the following is a full, clear, and exact description.

This invention is designed to avoid the chafing of the neck of the wearer of lace collar supporters by the metallic attaching devices used thereon, and to permit the use of celluloid, whalebone, pearl, ivory or bone and other stiff but flexible material, and to afford a simple and secure mode of attaching the metal parts to such material.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view of a complete collar supporter. Fig. 2 is a longitudinal section of one end of the device, before the cup is closed down about it. Fig. 3 is a transverse section of one end before the cup is closed down upon it. Fig. 4 is a transverse section of one end showing the cup closed down upon it. Figs. 5 and 6 are transverse sections of the ends of modified forms. Fig. 7 is a longitudinal section of the finished article of Figs. 1 to 4. Fig. 8 is a front view and Fig. 9 is a rear view of one end of the finished device. The views, Figs. 2 to 9, inclusive, are greatly enlarged, in order to show the construction more plainly.

The bar 1 may be of any suitable material, such as pearl, ivory, or bone, whalebone, or metal, but by my invention it is possible to use celluloid and very thin ivory, both which materials are highly desirable for this purpose and especially celluloid, because of its compressibility, flexibility and strength. The ends of the bar are rounded at 2, and may be beveled or curved, as at 3, Figs. 4 and 7, or rabbeted, as at 4, Fig. 5, to receive the screw-studs. The screw-post 5, to receive the detachable screw knob or ornamental button 6, is preferably drawn up integral with a cup 7, the flange 8 of which is cut away at 9 next to the neck 10 joining the end to the body of the bar. This cup is then

closed around the end and such end thereby compressed to receive the edge of the cup within it in such snug manner as to prevent the projection of the edge of the metal beyond the surface of the bar, and thereby prevent chafing the neck of the wearer. The edge of the end 2 may be compressed in the act of closing the cup around it, or it may be previously beveled or rabbeted as described. In case a bar of very hard or one of incompressible material be used, the cup may be rolled or curled over its back, as in Fig. 6, with its edge 11 riveted. The screw-post 5 and its cup 7 may be separately made and united by soldering or other means, but I prefer the integral one-piece construction first described. In all of these constructions, the back of the bar has no actively irritating metal projections, but in the forms shown in Figs. 1 to 5 and in Figs. 7 to 9 the metal does not reach the back of the bar at all, and only the bar comes into contact with the wearer's neck, and hence there is no irritation of the skin.

The screw-post and knob or button constitute a screw-stud, and one such stud is arranged at each end of the bar, as seen in Fig. 1, but I may use other forms of collar-engaging mediums which are capable of being secured to the bar by cups adapted to be closed down upon the bar.

It is to be understood that I do not limit my invention to the use of rounded ends on the bar, since, obviously, these ends may be given any other curvilinear shape, and, indeed, may be of angular outline, so long as said ends are adapted to receive the screw-studs by any of the methods described.

What I claim is:—

1. A collar supporter, comprising a bar having rounded ends, and screw-studs closed down over and embracing the edges of said ends.

2. A collar supporter, comprising a bar having ends, and cupped screw-posts having their cups closed down over said ends and pressed substantially flush with the back surface of the ends.

3. A collar supporter, comprising a bar having ends, and screw-posts provided with

integral cups closed down over the edges of said ends with their edges pressed into the material of the bar.

4. A collar supporter, comprising a bar
5 having ends and necks joining the ends to the body of the bar, and screw-posts having cups closed down over and embracing the edges of said ends beyond the necks.

In testimony whereof I have hereunto set my hand this 15th day of January A. D. 1909.

JAMES C. DORAN.

Witnesses:

PATRICK CARTER,
NELLIE R. DORAN.