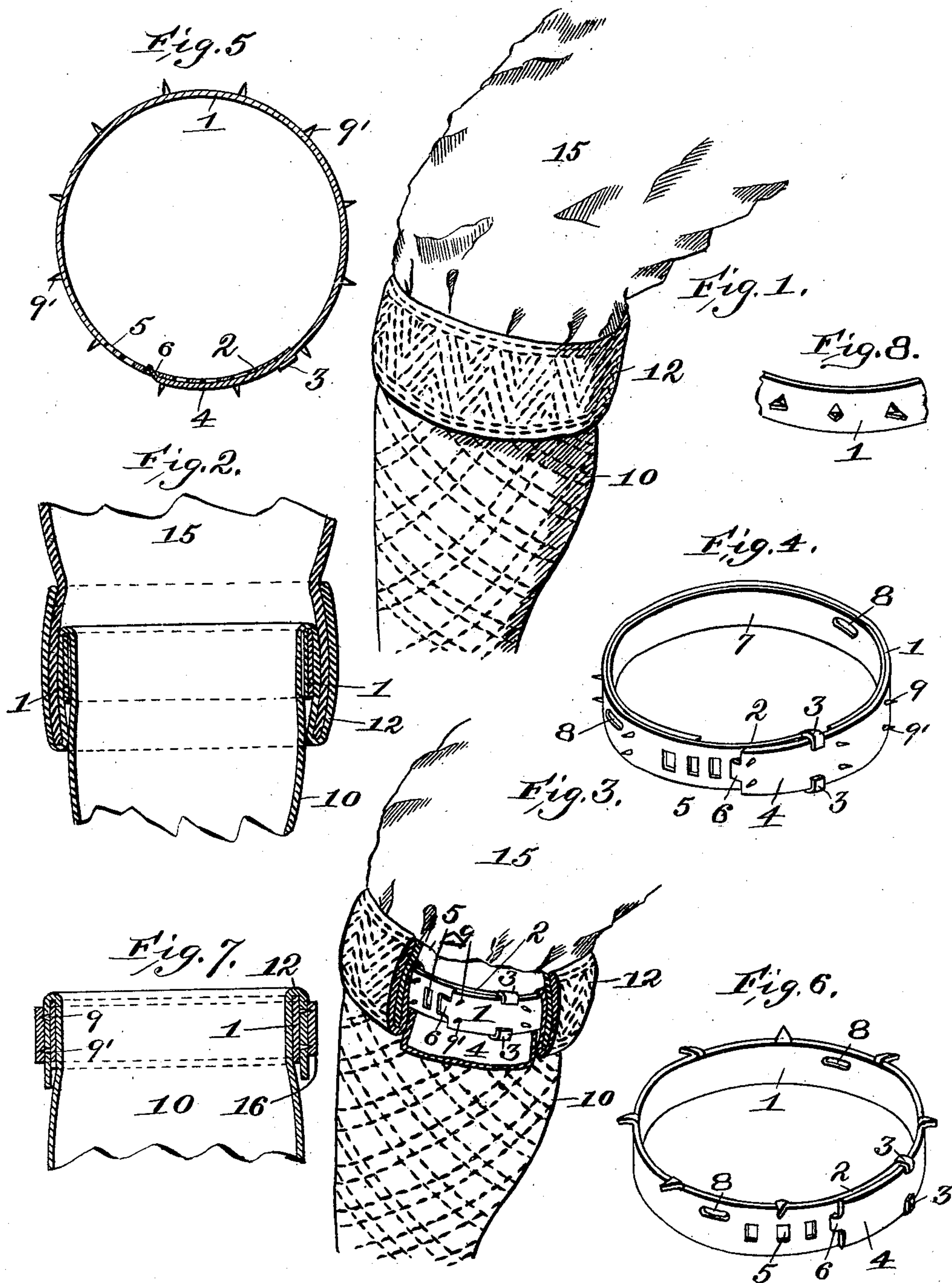


(No Model.)

J. W. CLEMENTS.  
GARTER.

No. 599,164.

Patented Feb. 15, 1898.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES W. CLEMENTS, OF DENVER, COLORADO, ASSIGNOR OF ONE-HALF TO  
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## GARTER.

SPECIFICATION forming part of Letters Patent No. 599,164, dated February 15, 1898.

Application filed April 26, 1897. Serial No. 634,021. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES W. CLEMENTS, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Bicycle-Hose Supporters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in bicycle-hose supporters; and the object is to provide a means for supporting the hose in a convenient and effective manner without compressing the limb or in any way interfering with the circulation of the blood.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved bicycle-hose supporter as it appears in use. Fig. 2 is a vertical section through the same. Fig. 3 is a perspective view having parts broken away to show the arrangement. Fig. 4 is a detached view of the adjustable sheet-metal collar. Fig. 5 is a horizontal section. Fig. 6 is a modification of the same. Fig. 7 is a vertical section of the supporter with the pants removed. Fig. 8 is a detail perspective view of a modification of the sheet-metal band.

1 represents a flexible sheet-metal band or collar, one end 2 of which is formed with integral guide-ears 3 3, which encompass the parallel edges of the opposite end 4 and permits it to overlap and slide snugly on the end 2. This end 2 is provided with a series of transverse parallel slots 5 5, which engage the forwardly-projecting tongue 6 on the opposite end of the collar.

7 represents a strip of any suitable fabric secured to the inside of the collar to prevent chafing.

8 8 represent horizontal orifices located on the opposite side of the collar, and they are

for the reception of the usual clips employed on suspenders or hose-supporters.

9 9' represent two horizontal rows of spurs or teeth formed integrally with and extending entirely around the collar and projecting outwardly slightly curved downward at point therefrom.

The manner of using my improved supporter is as follows: The hose 10 is drawn on the leg in the usual manner and the collar adjusted thereon just below the knee. In adjusting the collar care must be taken to adjust the tongue 6 in one of the slots 5, so as to nearly encompass the limb, but not so snug as to interfere with the full play or freedom of the muscles or with the circulation of the blood. The collar having been adjusted as above described, the top part 12 of the hose 10 is then turned down over the collar, so that the double rows of spurs 9 9' will project through the fold 12 and retain it in place. The usual strap 13 and buckle 14 of the knee-pants 15 are then adjusted horizontally around the collar, so as to encompass it tightly and engage the projecting spurs 9 9', so as to prevent displacement.

Of course I do not wish to confine the use of my improved supporter to athletic wear alone, as it is evident that it may be very satisfactorily and comfortably employed by civilians with all the advantages appertaining to the original use for which it was primarily designed.

In cases where knee-pants are not worn and the calf of the leg is large enough to sustain the collar an elastic band 16 may be employed to secure the fold of the stocking on the spurs of the collar. In other cases the clip of a hose supporter or suspender (not shown) may be inserted in the orifices 8 8 to support the same. My adjustable supporting-collar is likewise applicable as a sleeve-supporter for clerks or others, and it is also adapted to base-ball players and others engaged in athletic exercises.

In the modification I have shown a cheaper construction of the collar, the spurs being formed integral with the upper and lower parallel edges of the collar. In this form the whole collar may be stamped or punched from a single piece of sheet metal. The guide-ears

are then formed and the spurs all turned downward in the same direction, as shown.

Having thus fully described my invention, what I claim as new and useful, and desire to  
5 secure by Letters Patent of the United States, is—

As a new article of manufacture, a supporter for bicycle and other hose, comprising an adjustable collar or band consisting of a single  
10 piece of flexible sheet metal provided at diametrically opposite sides with engaging openings 8 and around its outer circumference with spurs or teeth 9 9', and having one end  
2 provided with a series of slots 5 and guide-  
15 ears 3, and the other end 4 thereof adapted

to be encompassed by said ears and formed with an inwardly-projecting tongue to engage the slots, the said ears, teeth and tongue being constructed integrally with the collar, and a protector-lining of fabric on the inner side  
20 of the collar or band, the whole combined, arranged and operating, substantially as herein shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

J. W. CLEMENTS.

Witnesses:

CHARLES M. GILBERT,  
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