F. T. HILL.

GARTER.

APPLICATION FILED DEC. 23, 1914.

1,170,535. Patented Feb. 8, 1916.

Fig. 1.

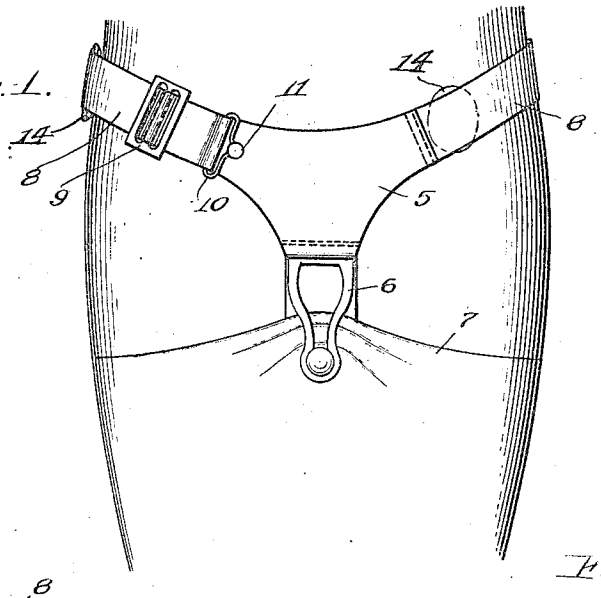


Fig. 4.

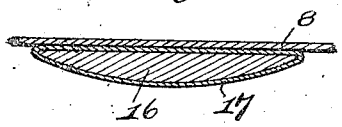


Fig. 3.

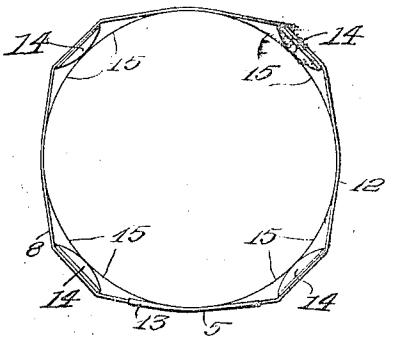


Fig. 5.

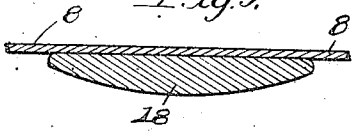
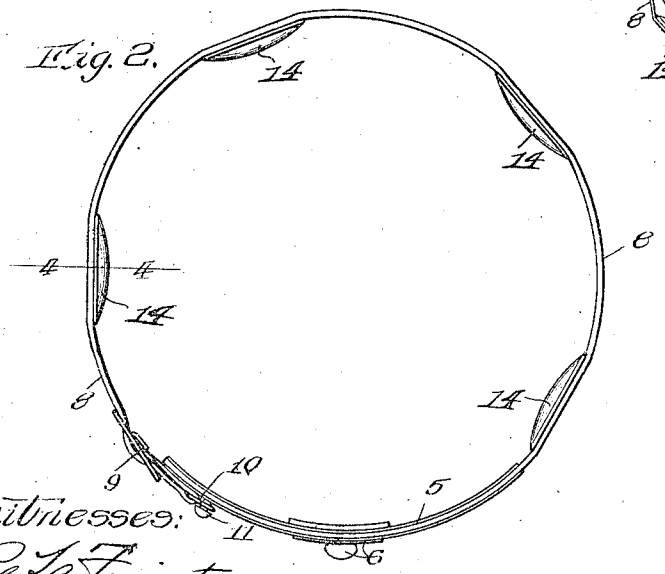


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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GARTER.

1,170,535. Specification of Letters Patent. Patented Feb. 8, 1916.

Application filed December 23, 1914. Serial No. 878,647.

To all whom it may concern:

Be it known that I, FRED T. HILL, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Garters, of which the following is a specification.

My invention relates to garters, arm bands and the like, and has for its object the provision of a simple, efficient device of this character comprising means adapted to support the device on a part of the wearer's body in a manner to permit the free action of the blood, nerves, muscles, etc., of such part.

Other objects will appear hereinafter.

The improvement consists in substantially the combinations and arrangement of parts hereinafter set forth and claimed and will be best understood upon reference to the accompanying drawing, forming a part of this specification and in which,

Figure 1 is a view showing the application of a garter, embodying my invention, in use; Fig. 2 is an enlarged top view of the same; Fig. 3 is a top view of an arm band embodying my invention on a smaller scale than Fig. 2 is shown; Fig. 4 is an enlarged section taken on the line 4—4 in Fig. 2, and Fig. 5 is a view similar to Fig. 4 but showing a modification of the members.

I have shown my invention as applied to garters and arm bands of conventional constructions. These applications will enable those skilled in the arts to embody my invention to any form of band used on the body of a wearer, where such band prevents proper action of any part of his body.

The garter proper, shown in Figs. 1 and 2 is one of the ordinary type worn by men and comprises a substantially triangular portion 5, having a clasp 6 at its lower corner adapted to engage the upper edge of the hose 7. To one of the upper corners of the portion 5 is secured an elastic band 8 and the latter is doubled at its other end and provided with a buckle 9 by means of which the band may be adjusted to different sizes. On the doubled portion of the band 8 is an eyelet 10, detachably engaging a button 11 on another of the upper corners of portion 5.

In Fig. 3 I have shown the application of my invention to a sleeve band of conventional construction. The sleeve band comprises an elastic web band 12 in annular form with its ends secured together as at 13. My invention is equally applicable to garters formed of annular elastic webs and worn by women and children. This latter form of garter when embodying my invention, would have the appearance of the arm band shown in Fig. 3.

My invention consists in applying members 14 to the inner side of bands 8 in Fig. 1, 12 in Fig. 3, and other similar bands (not shown) in a manner to hold large portions of such bands away from parts of the wearer's body underlying the bands, (see 15, Fig. 3). Conventional garters, arm bands and the like, depend, for their utility, upon gripping portions of the wearer's body sufficiently tight to prevent slipping thereon. In doing this, these parts of the body are gripped so tightly that the circulation of the blood, operation of the muscles, and the sensitiveness of the nerves in such parts of the body are greatly impaired. My invention overcomes these faults in the ordinary devices of the character mentioned by supporting portions of the devices away from the limbs, or other parts of the body of the wearer, thereby preventing the supported portions of the bands of the devices from gripping the parts of the body under such supported portions of the device. By permitting portions of the limb, or other part of the body, under the band of the device, to be freed from the gripping pressure of the device, the operation of blood, muscles and nerves is not affected. The members 14 are preferably made up of a comparatively firm substance 16 having a soft covering 17 inclosing it. The members 14 may be secured to the bands 8 and 12 by stitchings through the bands and covering 17 or in any other convenient manner. Members 14 may also be made of a single body 18, (Fig. 5) of rubber or felt composition when so desired and in such shapes as may be desired, that indicated being preferred.

While I have illustrated and described the preferred form of construction, I do not desire to be limited to the precise details set forth and shown, but desire to avail myself of such variations and changes as come within the scope of the appended claims.

I claim:

1. A spacing member for garters and the like comprising a member having a garter

engaging side and a side opposite said garter engaging side convex in shape providing means whereby greatest strains on said convex side will be sustained at the central portion thereof.

2. A spacing member for garters and the like comprising a yielding material having its garter engaging sides substantially flat, its side opposite said flat side convex and its edges thin, providing means whereby greatest stress on the convex side will be sustained at the central portion thereof.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 19th day of December, A. D. 1914.

FRED T. HILL.

Witnesses:

CHAS. M. NISSEN,

ALLENA OFFUTT.