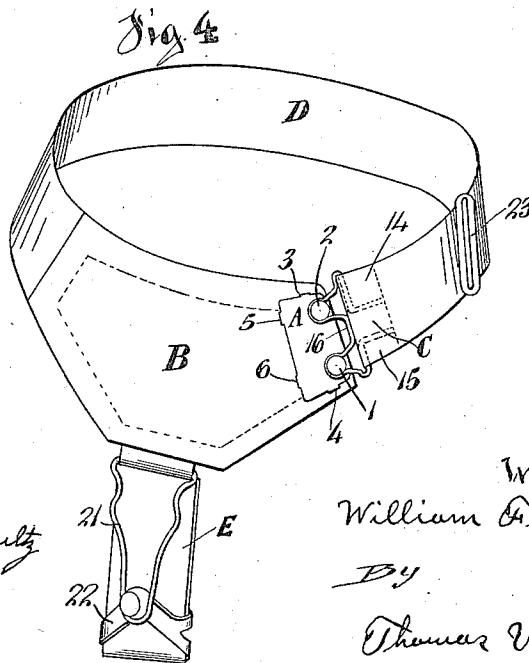
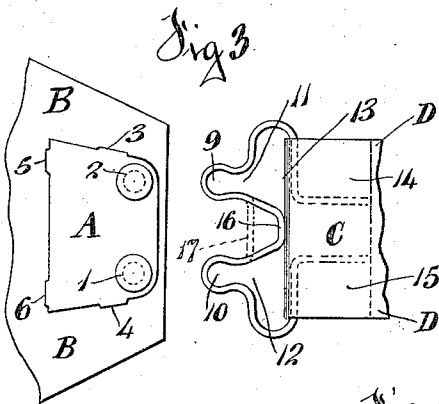
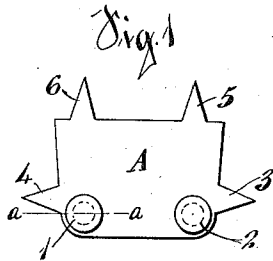


W. FRIEDER.
GARTER FASTENER.
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1,059,961.

Patented Apr. 22, 1913.



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WILLIAM FRIEDER, OF CINCINNATI, OHIO.

GARTER-FASTENER.

1,059,961.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed July 1, 1912. Serial No. 706,916.

To all whom it may concern:

Be it known that I, WILLIAM FRIEDER, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Garter-Fasteners, of which the following is a specification.

My invention relates to garter fasteners.

The objects of my invention are as follows: First. To afford a double-studded and a double-eyed garter fastener, whereby the force of the elastic element of the garter web is exerted on lines approximately at right angles to the transverse lines of attachment of the studded portion of the fastener to the triangular-shaped connecting material of the garter, rather than on lines at other angles to said lines of attachment which twist said studded portion on, and finally tear it from, said connecting material long before the garter is worn out as is now the case with the present single-studded garter fasteners. Second. To afford a belly to the intervening wire convolution between the pair of eyes of the double-eyed portion of said garter fastener, sufficiently extended to come in contact with the web and press and hold it back from the mouths of said eyes. I attain these objects by means of the following illustrations of which—

Figure 1 is a plan view of the studded portion of said fastener. Fig. 2 is a longitudinal section through the stud 1 taken on the line *a—a*, Fig. 1. Fig 3 is a plan view of both the studded and the eyed portions of said fastener. Fig. 4 is a perspective of the complete garter showing the fastener for both the garter itself and also for the top of the hose.

Like figures and characters represent like parts in all the figures.

In Figs. 1, 2, 3 and 4, A represents the studded portion of said fastener. B represents the connecting material to which said studded portion is fastened. C represents a thin, rectangular-shaped metal strip folded around and stamped upon the free end portions of the eyed portion of said fastener. D represents the web that folds around said metal strip. E represents the hose-supporting portion of the garter. The numerals 1 and 2 represent studs drawn or struck integrally from the metal of which the studded portion A of said fastener is made, said studs having enlarged, dome-

shaped heads integral with the necks or shanks thereof. 3, 4, 5 and 6 represent clenching lugs projecting integrally from said studded portion for securing the studded member A to the material B. 9 and 10 represent the eyes of the eyed portion of said fastener, and 11 and 12 represent the mouths of said eyes. 13 represents the edge of the metal strip C around which edge the web D folds, and 14 and 15 represent the stamped down or depressed portions of said metal strip. 16 represents the belly of the intervening convolution between said eyes. 17 represents dotted lines which indicate the position of a cross-bar connecting said eyes as at present used. It is out of this cross-bar that the belly 16 is formed. It is to be noted that the belly portion of this cross-bar is made to abut that portion of the web D which folds around the edge 13 of said metal strip C and pushes and holds this portion of said web back from the mouths of said eyes, so that said studs in passing into said eyes will have no obstruction in their way. It is to be noted also that the metal strip C is intended to overcome this difficulty, inasmuch as it affords an unyielding support against which to clamp the web with the fingers in fastening the garter, yet it does not fully and completely accomplish this end.

21 and 22 represent the clamping device now employed to fasten the top of the hose to the depending piece E.

23 represents the ordinary slip buckle of the garter.

Since in actual use the slip buckle 23 is constantly employed in adjusting the garter to the limb, it is impracticable to stitch or in any other manner fasten the web firmly to the metal piece C. But the belly 16 of my invention abutting the web folded around the metal strip C, pushes and holds said web away from the mouths of the eyes 9 and 10 of the eyed portion of my invention, so that, when the studs in the fastening operation are brought to the mouths of the eyes of the fastener, there is no obstruction whatever to these studs passing into the eyes. The studs being drawn integrally from the metal of which the fastener is made, they will never work loose and pull out of the body of the fastener. Even though these studs were riveted in the old way, in case one of them pulled out there would be another to depend on. And again,

the direction or line of the pull of the elastic web being approximately at right angles to the transverse lines of attachment there is not in my invention the wriggling or
5 twisting movement that is found in the old fastener. With one operation of a stamping machine the studded portion of my invention is clenched and securely fastened to the outer ply of said connecting material,
10 the inner ply intervening between the clenching lugs of the fastener and the limb.

It is to be noted that the nature and scope of my invention is such that it may be applied to suspenders as well as to garters,
15 that is it may be attached to the lower front ends of suspenders and employed as a suitable means of fastening said lower ends to the straps that are buttoned to the top of the trousers.

20 Having thus described my invention by

means of illustrations, in detail and as a working mechanism, what I claim is:—

In the eyed portion of a garter fastener and in combination; a plurality of eyes; laterally extending looped portions terminating in metal-clasped end portions; and cross-bars connecting said eyes; said metal-clasped end portions being adapted to receive the garter webbing, and said cross-bars being bent sufficiently to abut said
25 webbing and thereby adapted to push and hold said webbing back and prevent it from obstructing the mouths of said eyes.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.
30

WILLIAM FRIEDER.

Witnesses:

CHAS. BUSCHMAN,

WILLIAM JOHN SCHULTZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."