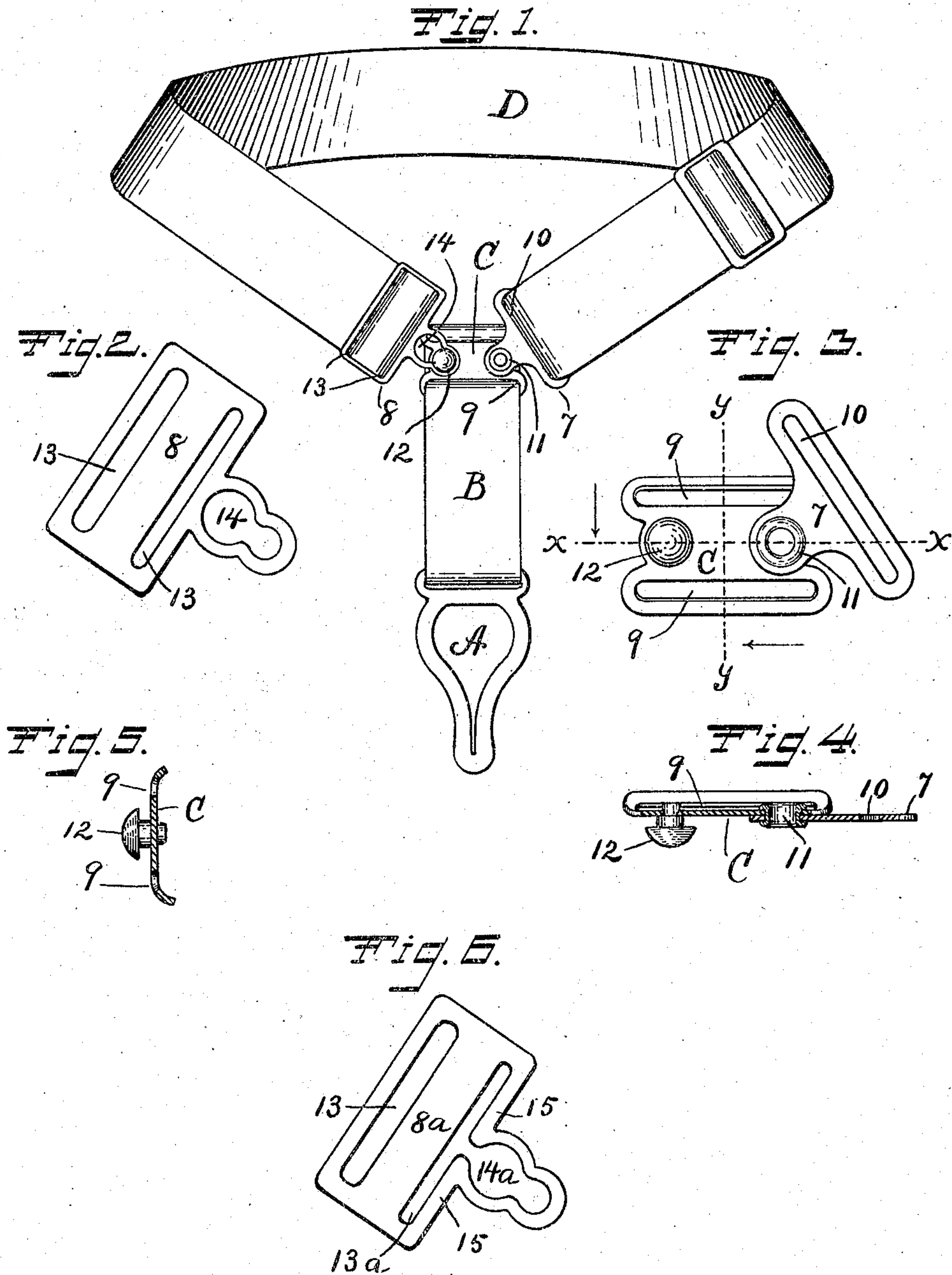


E. N. HUMPHREY.
GARTER.

APPLICATION FILED JUNE 11, 1908.

908,006.

Patented Dec. 29, 1908.



WITNESSES.

S. H. Clark.

Bennett Nelson

INVENTOR

Ernest N. Humphrey.

By James Shepard.
Attly

UNITED STATES PATENT OFFICE.

ERNEST N. HUMPHREY, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO TRAUT AND HINE
MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION.

GARTER.

No. 908,006.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed June 11, 1908. Serial No. 437,850.

To all whom it may concern:

Be it known that I, ERNEST N. HUMPHREY, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Garters, of which the following is a specification.

My invention relates to improvements in garters and the objects of my improvement are simplicity and economy in construction and convenience and efficiency in use.

In the accompanying drawing:—Figure 1 is a front view of my garter complete. Fig. 2 is an enlarged front view of the connecting plate for the detachable end of the garter. Fig. 3 is a front view of the connecting frame with a permanently attached connecting plate for the opposite end of the garter. Fig. 4 is a sectional view of the parts shown in Fig. 3 on the line *x x* of Fig. 3. Fig. 5 is a sectional view of the connecting frame on the line *y y* of Fig. 3. Fig. 6 is a front view of the connecting plate for the detachable end of the garter, in a modified form.

A, designates an ordinary form of hose supporter or hose gripper, secured to the lower end of a pendent web B, the upper end of the said web being secured to the connecting frame C of the garter attachments. The garter D is permanently connected by one end to one end of the frame C by means of a connecting plate 7, while the other end of the garter has secured to it a detachable connecting plate or cast off 8, for attaching the said end to and detaching it from the connecting frame when putting on and taking off the garter.

The connecting frame C is formed of a plate of sheet metal cut and bent into the desired form by means of suitable dies. It is provided with eyes 9 that extend longitudinally near its opposite edges at its two longest sides, which eyes are for the attachment of the web B that supports the hose gripper A. The connecting plate 7 is of substantially a T shaped form with an eye 10 in its cross arm for attaching one end of the garter D thereto. The end of the central member of the T shaped connecting plate 7 is pivotally attached to the middle longitudinal line of the connecting frame near one end thereof, by means of an eyelet or tubular rivet 11 that extends through suitable openings in the said two parts, the ends of the tubular rivet

being turned over outwardly to hold the said parts together while at the same time said parts are free to swivel or turn one upon the other. They are secured together with the connecting plate 7 swiveled on the front side of the frame C at or near one end thereof as shown. Near the opposite end of the frame C on the same middle line, a button stud 12 is secured with its head end on the front of the said plate.

The detachable connecting plate 8 is provided with eyes 13 for attaching it to one end of the garter D, while its central member is in the form of a loop having an opening 14, larger at one end and smaller at the other, the junction of the said two ends being narrow enough to slightly pinch the body of the button stud under its head. The larger end of the opening is of a size to let the head of the button stud pass through it, while the smaller end of the said opening is of a size to prevent the head from passing therethrough, whereby the plate 8 is held on the button stud when the body of the said stud is received therein, as shown in Fig. 1, in the well known manner of fasteners of the loop and button type.

By my improvement the opposite ends of the garter are swiveled or pivotally connected by means of connecting plates to the opposite ends of the connecting frame, while the middle vertical line of the hose supporter or gripper A is between these two pivotal connections. By having both ends of the garter pivoted or swiveled on the frame at two different points at some distance from each other, the garter yields readily to various strains so as to set comfortably on the wearer. By the same construction the two plates are entirely distinct and separate so as not to be confused with each other, and the wearer can readily observe which end of the garter is the detachable one. The construction is simple and inexpensive and the article is efficient in every way.

The ordinary yielding function of the loop portion of the plate 8, for frictionally holding the loop against accidental detachment is accomplished in Figs. 1 and 2 by making the metal at the sides of the opening 14, narrow enough to yield slightly. In Fig. 6 I have shown a similar connecting plate 8^a having one of the eyes 13, the same as in Fig. 2, while the other eye 13^a and opening 14^a in the loop

member are cut through into each other so that the adjacent edge of the body of the plate on the two sides 15, of the loop member may yield a little and provide for the elasticity of the loop member; even if it is made with more metal at the sides than shown in Fig. 2.

I claim as my invention:—

1. A garter comprising a connecting frame, 10 a hose gripper depending therefrom, a connecting plate for one end of the garter that is pivotally mounted on the said connecting frame near one end thereof, and a detachable connecting plate for the cast off end of the 15 garter, the latter plate having a central member in the form of a loop, and a button stud mounted on the said connecting frame near

the opposite end from that on which the first connecting plate is pivoted.

2. A garter comprising a connecting frame, 20 a hose gripper depending therefrom, a connecting plate for one end of the garter, a tubular rivet pivotally connecting the said plate by its central member to the front side of the said frame near one end thereof, a de- 25 tachable connecting plate of the loop type for the cast off end of the said garter, and a button stud for the said detachable plate mounted on the opposite end of the said frame.

ERNEST N. HUMPHREY.

Witnesses:

EDWIN KEELING,
FRANK N. ALLEN.