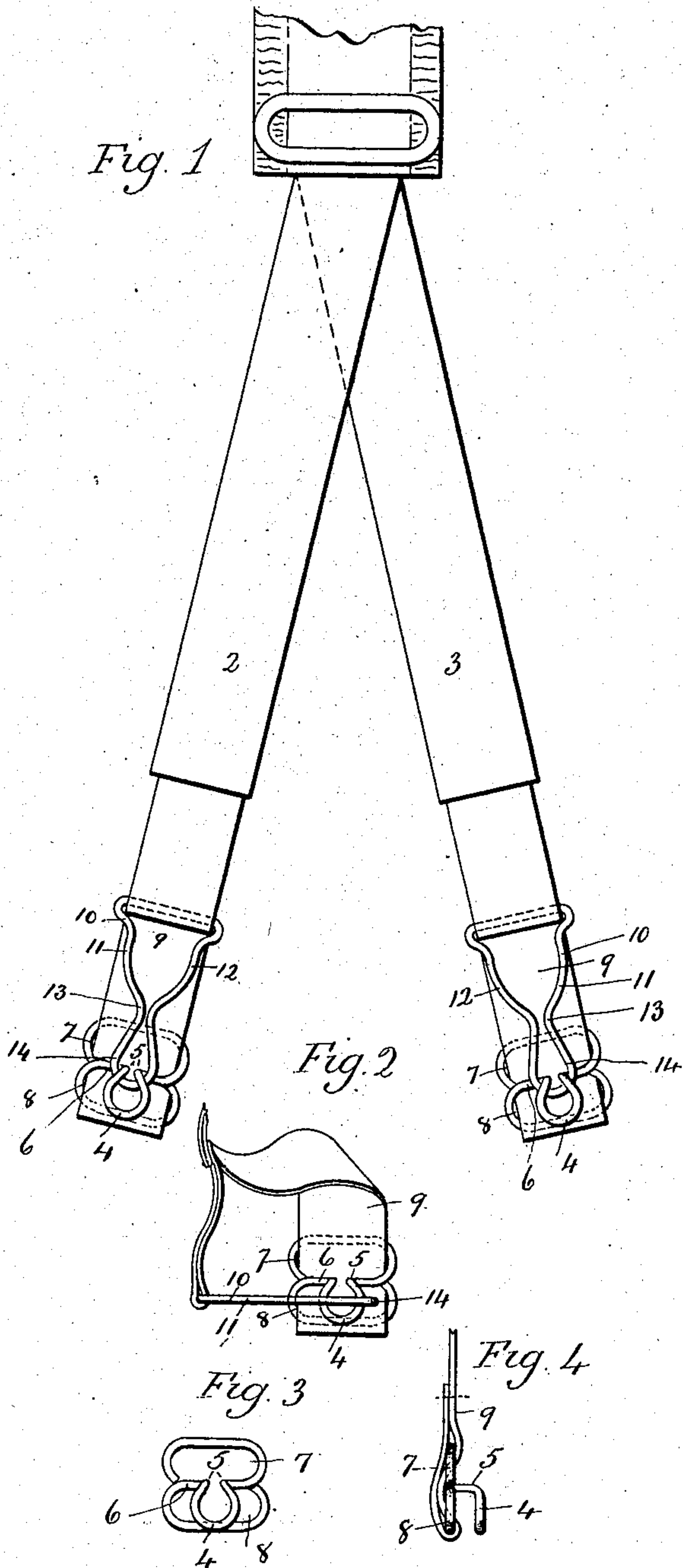


No. 791,284.

PATENTED MAY 30, 1905.

W. F. OSBORNE.
BUTTON AND LOOP CLASP.
APPLICATION FILED JUNE 27, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

WILBUR F. OSBORNE, OF ANSONIA, CONNECTICUT.

BUTTON-AND-LOOP CLASP.

SPECIFICATION forming part of Letters Patent No. 791,284, dated May 30, 1905.

Application filed June 27, 1904. Serial No. 214,420.

To all whom it may concern:

Be it known that I, WILBUR F. OSBORNE, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Button-and-Loop Clasps; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front or plan view of a garment-supporter constructed in accordance with my invention; Fig. 2, a broken plan view of a single fastening device illustrating the manner of engaging the loop with the stud member; Fig. 3, a plan view of the stud member detached; Fig. 4, a side view showing the relative position of the head to the loops and illustrating the manner of connecting this member with the webbing.

This invention relates to an improvement in garment-supporters, and particularly to that class which consist of a button or stud member adapted to be secured to a tape or webbing forming part of the garment-supporter and a loop member adapted to act with the stud member in engagement with the fabric of a garment.

As usually constructed, the button or stud consists of a plate struck up from sheet metal and including two loops through which the webbing is passed, so as to cover the back of the plate, and a post having a comparatively large round head concentric therewith. With such a stud member it is necessary that the loop member shall have an opening between its sides sufficiently great to permit the loop to be passed over the head, and more or less difficulty is experienced in keeping the loop member in engagement with the stud member.

The object of this invention is to construct the stud member from wire, which not only reduces the cost of manufacture, but permits the closing of the sides of the loops, so that accidental disengagement of the parts is avoided; and the invention consists in the construction as hereinafter described, and particularly recited in the claims.

In illustrating my invention I have shown it as applied to a hose-supporter of usual construction, which includes two straps 2 3, which may or may not be elastic. Connected with these straps are the garment-supporters proper, and the stud member is preferably made from a single piece of wire bent midway of its length to form a substantially round head 4, thence inward side by side, forming a neck 5, from which the wires extend in opposite directions, providing a central bar 6, from which the wires are bound to form loops 7 and 8 in a plane parallel with the head 4. By arranging the wires of the neck side by side the neck is made longer in one diameter than in the other. This stud member is secured to a non-elastic web 9 in the usual manner of connecting the stud members of this class of supporters—namely, the web 9 extends downward in rear of the loops 7 and 8, thence upward through the loop 8 below the central bar 6, outward through the loop 7, and over the upper bar of the loop, where it is attached to the main portion of the web. This method of webbing entirely covers the back of the stud member.

The loop member 10 is of substantially usual form and connected with the straps 2 3 in the usual manner, except that it is preferable to arrange for a little more independent movement between the loop member and the stud member. Preferably, and as herein shown, the sides 11 and 12 of the loop members are contracted, as at 13, forming, as it may be said, an eye 14 at the outer end, the distance between the contracted portion of the loop being less than the width of the neck 5.

To engage the loop member with the stud member, the loop will be turned at substantially right angles to the stud member, as shown in Fig. 2, and so that the eye 14 may pass over the head 4 onto the neck 5, after which it is turned into line with the direction of draft. By thus contracting the sides of the loop, so that it cannot be disengaged from the stud member without turning it at an angle thereto, the possibility of accidental disengagement is avoided.

It will be understood that my improved stud member will be found to be very efficient with

loop members of ordinary construction, as owing to the eccentric arrangement of the head with relation to the post a better engagement with the fabric of the garment is obtained than when the head is centrally arranged thereon. I therefore do not wish to be understood as limiting the invention to the employment of a loop member with contracted sides.

10 Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a garment-supporter, the combination with a stud member formed from a single 15 piece of wire bent midway its length to form a flat head and a neck, the two ends of the wire each forming a loop, said head eccentric to the neck, and a loop member adapted to engage with said head.

20 2. A garment-supporter comprising a stud member made from a single piece of wire bent to form a neck, a head eccentric thereto and two loops, combined with a loop member having its sides contracted above its lower ends 25 forming a wide space above and below said contracted portion, the space between the con-

tracted portion being less than the width of the neck of the stud member, substantially as described.

3. A garment-supporter in which the head 30 and neck of the stud member is formed from wire, the neck comprising two wires arranged side by side whereby a post is provided having a greater diameter in one direction than the other, the said head being arranged eccentric 35 thereto, combined with a loop member adapted to engage said head, said loop member having its sides contracted near its lower end and so that the space between the contracted portion is less than the greatest diameter of 40 the neck of the stud member and then expanded to form an eye adapted to pass over said head when turned to one side, substantially as described.

In testimony whereof I have signed this 45 specification in the presence of two subscribing witnesses.

WILBUR F. OSBORNE.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.