

No. 717,045.

Patented Dec. 30, 1902.

M. STERN.  
SUPPORTER FOR HOSE, &c.  
(Application filed Aug. 25, 1902.)

(No Model.)

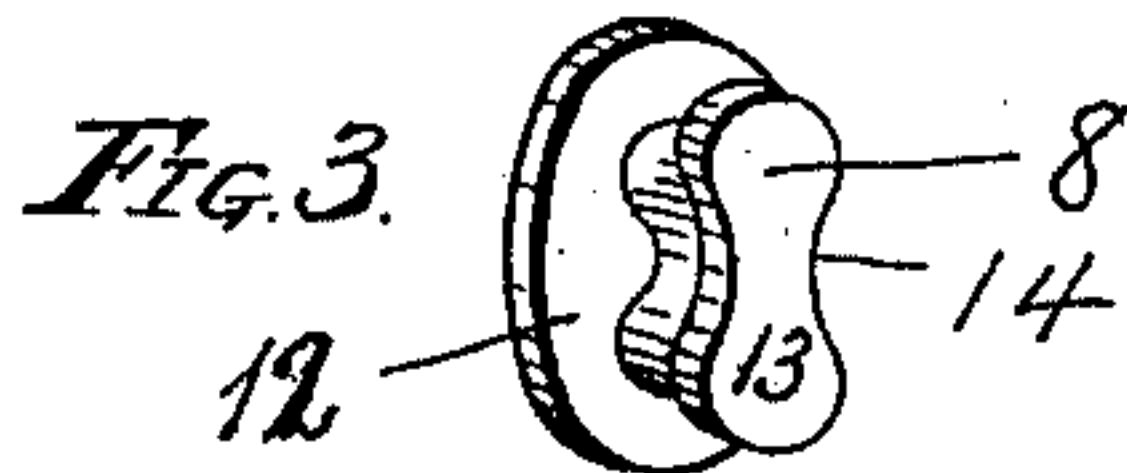
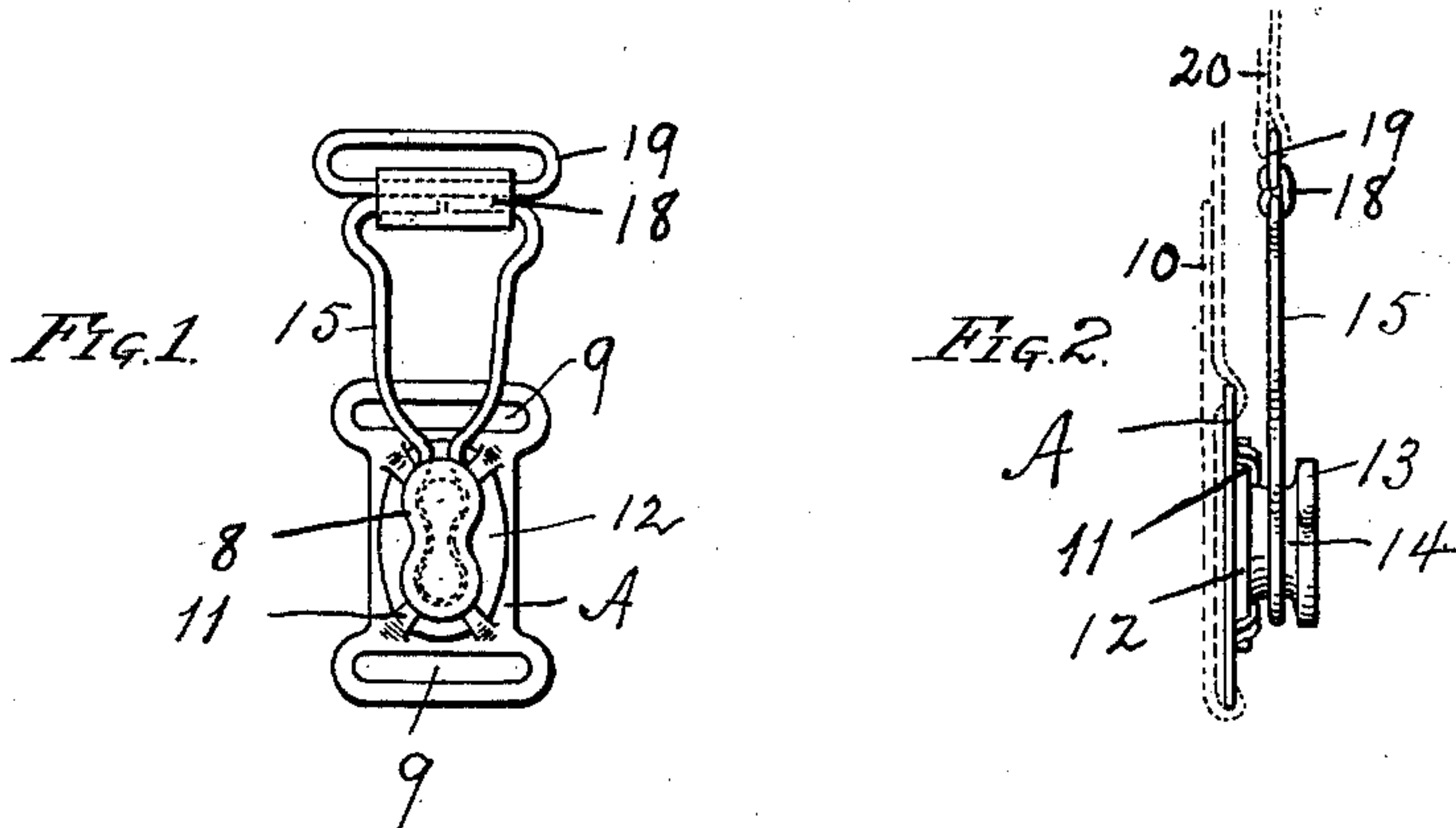


Fig. 4.

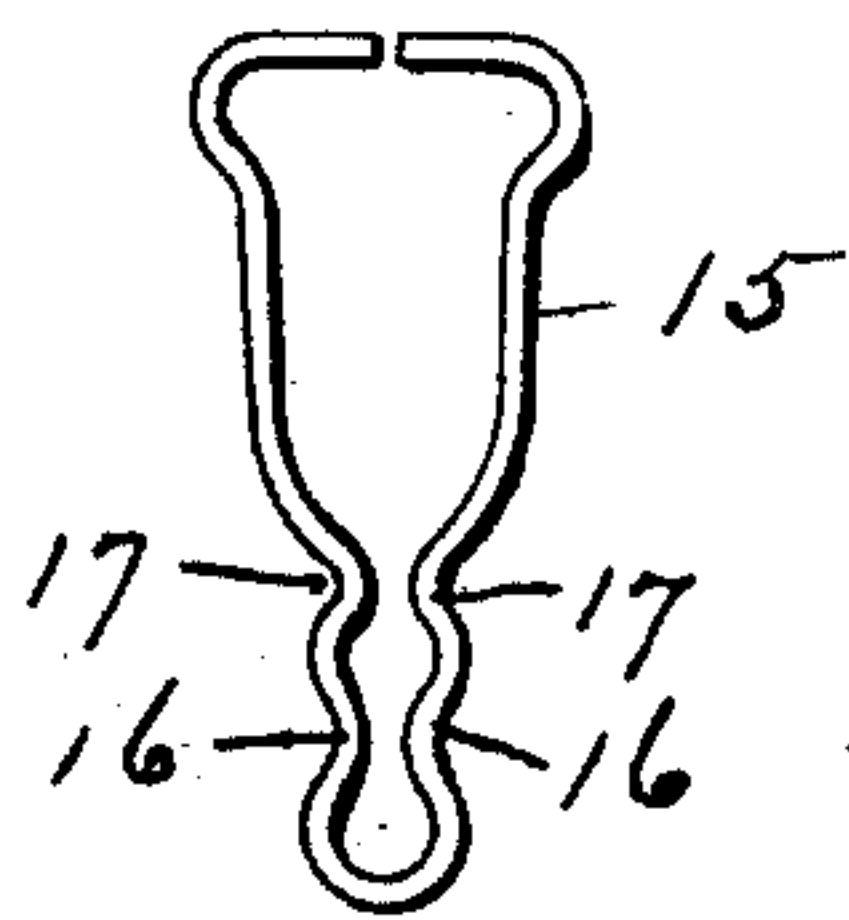
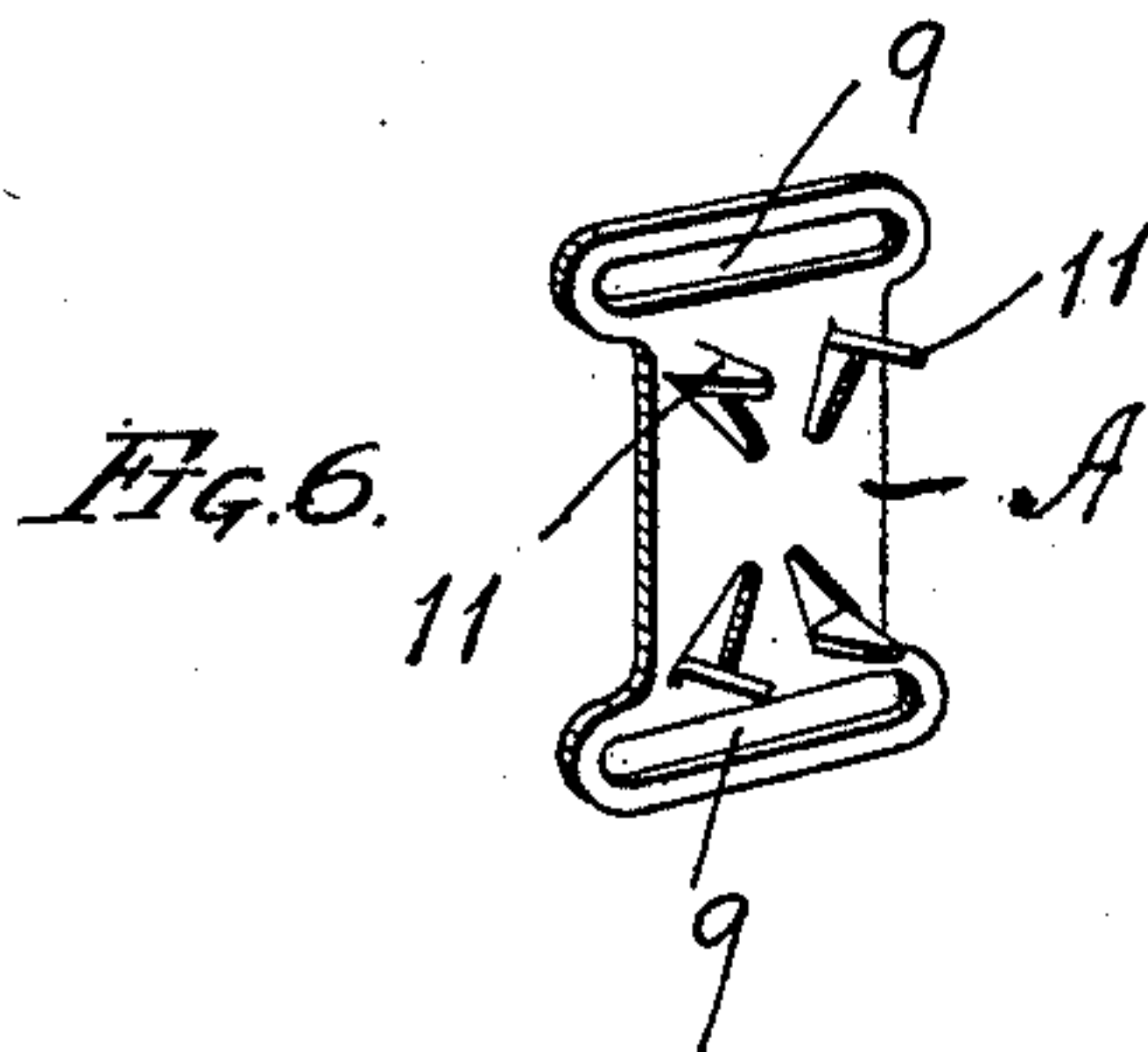
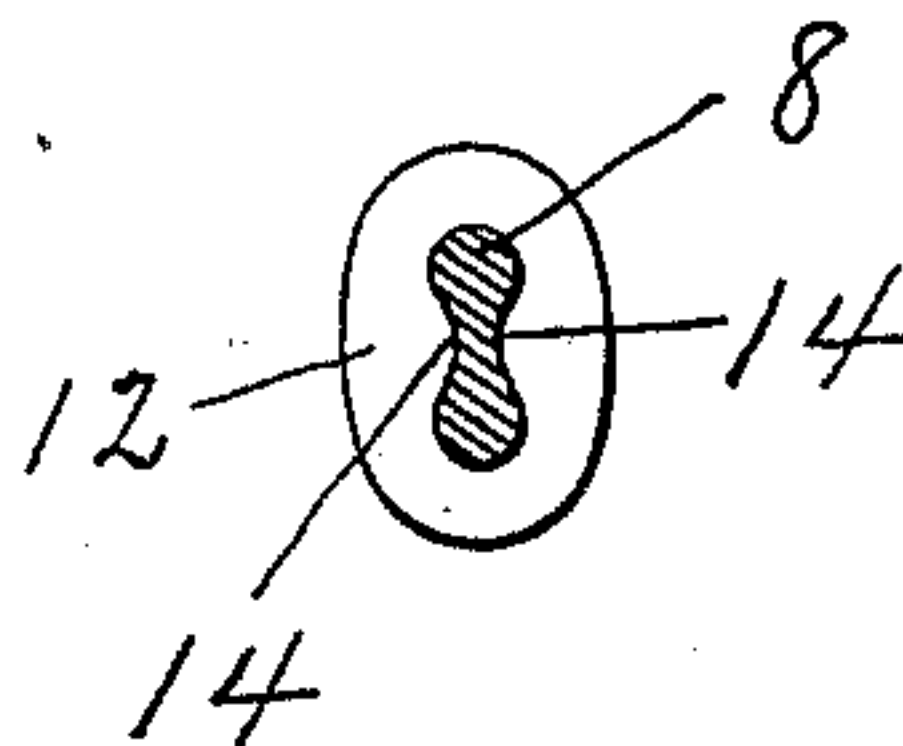


Fig. 5.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

MAURICE STERN, OF CHICAGO, ILLINOIS.

## SUPPORTER FOR HOSE, &c.

SPECIFICATION forming part of Letters Patent No. 717,045, dated December 30, 1902.

Application filed August 25, 1902. Serial No. 120,886. (No model.)

*To all whom it may concern:*

Be it known that I, MAURICE STERN, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Supporters for Hose, &c., of which the following is a specification.

My invention relates to that class of devices for supporting hose and other wearing-apparel in which the fabric of the apparel is clamped over a button or stud by a spring-wire retaining-loop.

The purpose of the invention is to avoid the slipping of the fabric between the stud and the loop, and this result I accomplish by the employment of a loop having a reëntering bend back of or above the stud, whereby the fabric is made to nearly encircle the stud, and thus to greatly increase the resistance to the slipping. I also prefer to employ a stud having a recess or depression in its side and a loop bent so as to enter such recess or depression and acting to force the fabric into the same. By preference this depression is duplicated upon opposite sides of the stud, and the entering bend in the loop is also duplicated. By my invention the fabric will be so firmly held that the slipping will be prevented, and at the same time there is no danger of the stud slipping out of the loop when the tension is relaxed, as there is in prevailing constructions.

The invention is fully described in the accompanying drawings, in which—

Figure 1 is a front elevation, and Fig. 2 an edge view, of the invention. Fig. 3 shows the stud in perspective and detached. Fig. 4 shows the loop detached. Fig. 5 is a section of the stud, and Fig. 6 is a perspective view of the plate supporting the stud ready for the attachment of the stud.

In said drawings, A represents a metal plate adapted to support and form a base for the stud 8. The plate is provided with long openings at 9, through which the strap or elastic 10 of the supporter may be threaded, and also with tongues 11, adapted to be turned down upon the bottom flange 12 of the stud,

and thereby secure the stud to the plate. The stud is provided with the usual head 13 to confine the loop, and instead of being made round in the usual manner it is preferably flattened or elongated in the direction the loop is moved when positioned upon or removed from it. Upon at least one of the long sides, and preferably upon both, are formed recesses or depressions 14, as plainly shown, and the loop 15 is bent to conform to the stud—that is to say, it is bent inwardly at 16 and 17—the bends 16 entering the recesses 14 in the stud and forcing the fabric into the same and the bends 17 setting around the stud and completing its inclosure and compelling the fabric to nearly encircle the stud. If the stud is recessed upon one side only, one of the bends 16 may be omitted; but obviously the construction illustrated is the preferable one. The free ends of the loop are inclosed in the usual manner in the sleeve 18, which serves as a means of attaching the long eye 19, whereby the strap 20 is secured to the loop.

The stud may be made of metal, wood, bone, or hard rubber; but I prefer to make it of soft rubber and in one piece, because the friction upon the fabric caused by the rubber supplements that created by the spring-loop at the recesses and at the back of the stud in resisting any tendency of the fabric to slip.

I claim—

1. In a supporter, the combination of the stud having a side recess, and a spring-loop adapted to force the fabric into said recess, substantially as specified.

2. In a supporter, the combination of the stud having recesses on opposite sides, and a spring-loop acting to force the fabric into said recesses, substantially as specified.

3. In a hose-supporter, the combination of a rubber stud having side recesses and a spring-loop acting to force the fabric into the recesses of the stud, substantially as specified.

MAURICE STERN.

Witnesses:

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H. M. MUNDAY.