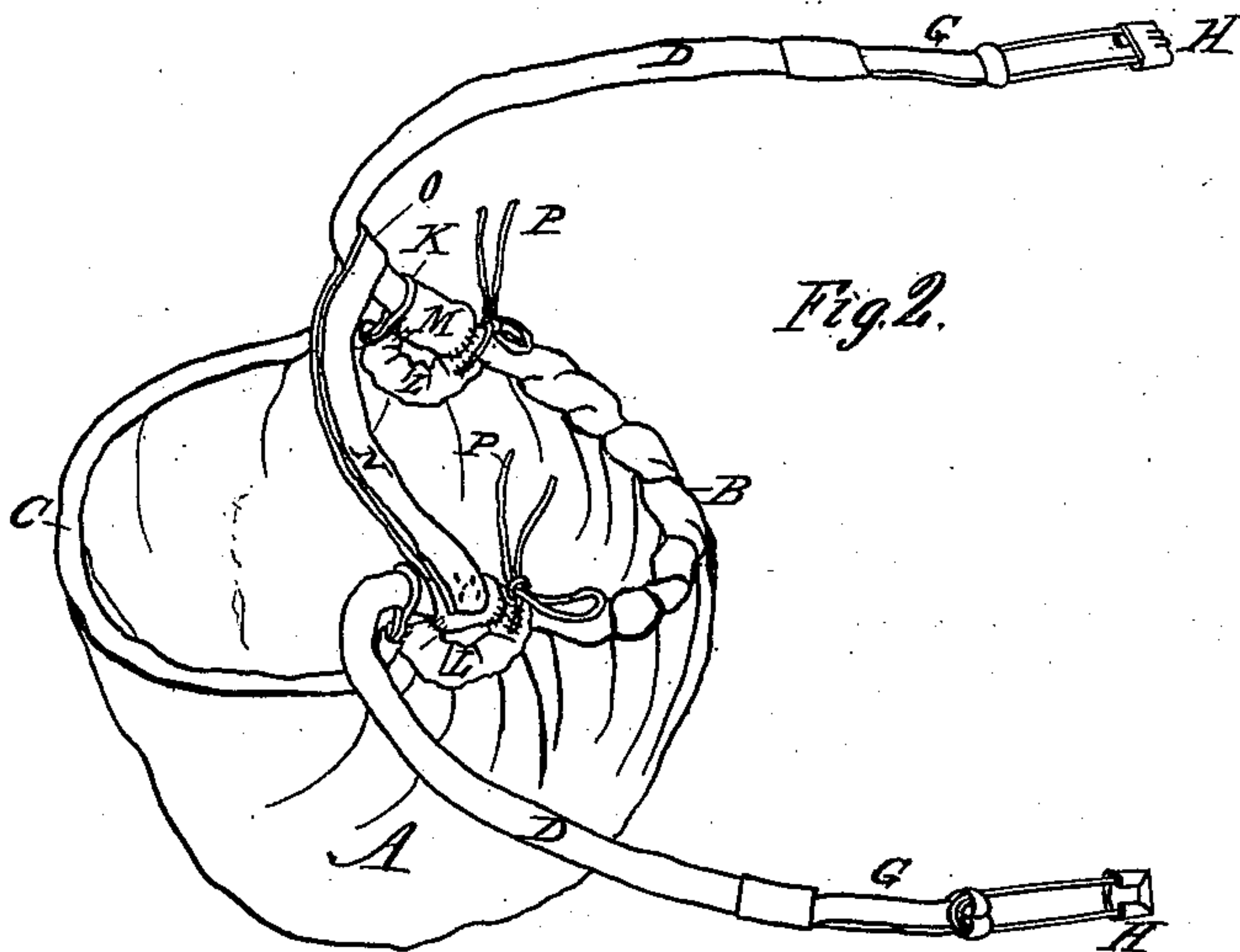
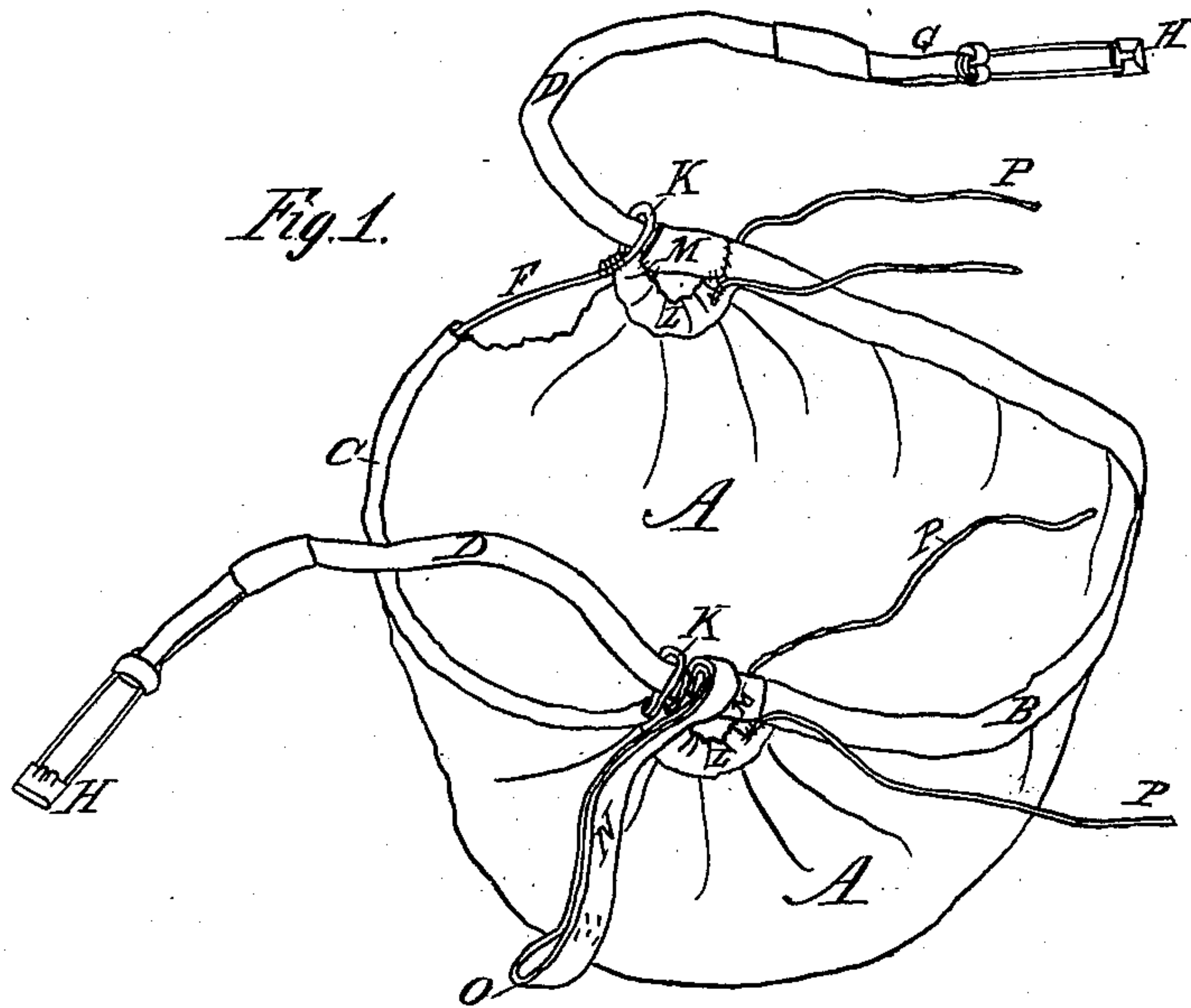


T. W. HEINEMANN.  
Testicle Suspensories.

No. 230,702.

Patented Aug. 3, 1880.



Witnesses:

F. B. Townaud

J. V. Sharpe

Inventor:

Theodore William Heinemann

# UNITED STATES PATENT OFFICE.

THEODORE W. HEINEMANN, OF CHICAGO, ILLINOIS.

## TESTICLE-SUSPENSORY.

SPECIFICATION forming part of Letters Patent No. 230,702, dated August 3, 1880.

Application filed September 22, 1879.

*To all whom it may concern:*

Be it known that I, THEODORE WILLIAM HEINEMANN, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Suspensories for the Testicles, of which the following is a specification, reference being had to the accompanying drawings, making part of this specification.

Figure 1 represents the suspensory unadjusted in perspective view. Fig. 2 represents it adjusted as in use, but previous to the fastening of the pins H, and in perspective view.

In the drawings, A represents a testicle-sack, made of any textile or knitted material. B represents a hem in the posterior part, and C a hem in the anterior part, of the said sack. D represents a piece of flat elastic web drawn into and through the hem B, with the ends projecting beyond. F represents a piece of round or cord elastic drawn into and through the hem C. G represents loops at the ends of the elastic D. H represents safety-pins, fastened to the ends of elastic D by the loops G. K represents loops at the ends of the elastic F. L represents the gathered and bound edges of the testicle-sack. M represents two slides, through which the elastic D passes. N represents a piece of ribbon or other textile material, fastened onto one of the slides, M. O represents a loop at the unfastened end of the piece N. P represents the ends of two fine pieces of cord, fastened onto the material of the gathered and bound edges L.

To make the suspensory, I first knit on an ordinary knitting-machine a four-sided piece of flat web, usually from five to ten inches long and from four to seven inches wide, of cotton, linen, or silk thread. The two longer edges of this I gather and bind, as shown in the drawings by letter L. The two shorter edges I hem, thus forming the two hems, B and C.

Into the hem B, I draw the elastic D and allow the ends of it to project several inches on each side, and whenever hereinafter the elastic D is mentioned in this specification these two projecting ends only are intended to be referred to.

Into the hem C, I draw the elastic F, of the projecting ends of which I make two small loops, K. I then make two small slides, M, of

ribbon or other textile material, and pass one of them over each of the ends of the elastic D—that is to say, one over one end and the other over the other end. I then fasten the two gathered edges, L, onto these two slides, M, as shown in the drawings, by stitching the corners of each two adjoining edges together. I then draw the ends of elastic D through the loops K. Next I make the strap N of ribbon or other textile material with the loop O on one end, and, leaving this end unfastened, I fasten the other end by stitching to one of the slides M. Then I stitch the two loops, G, to the ends of elastic D, one on each end, and attach the two safety-pins H to them. The suspensory is now formed; but to make it adjustable I insert the cord ends P on each side of the suspensory and fasten them into the material of the bound edges L.

To use the suspensory, the testicle-sack is first expanded by stretching, as shown in Fig. 1, and then placed below the testicles and drawn up and over them. One of the ends of elastic D is then drawn up by one hand in an outward and slanting direction over the groin, and being stretched a little, a fold of the shirt or undershirt is pulled toward it horizontally by the other hand and fastened to it by the safety-pin H at its end. The other end of elastic D is then fastened on the opposite side of the body over the groin, in the same manner and direction, to another fold of the shirt or undershirt, but with this difference, that before drawing up the elastic it is passed through the loop O, and thus the testicles are supported without the cumbersome straps or bands heretofore generally resorted to.

The object of the strap N with the loop O is to relieve the hem C and elastic F, which come directly under the penis when the suspensory is in use, from any strain by the tension of the ends of the elastic D. The cord ends P answer the same purpose for the hem B and the elastic within it—that is to say, they, when tied, relieve the hem B and elastic within it from any strain by the tension of the ends of elastic D.

When it is intended to make the testicle-sack smaller the hem B is puckered, and when it is intended to enlarge it (the testicle-sack) the hem is drawn out, and whenever the desired size or adjustment has been reached it may



be permanently retained by tightly tying the cords P over and around the elastic D, as shown in Fig. 2.

5 The object of the loops G is to fasten the pins H in a temporary manner, so that they may be readily detached or attached.

By detaching one of the safety-pins H, the elastic D first and F afterward may be entirely removed from the suspensory, without breaking stitches, simply by pulling them out of the hems and loops through which they have been passed, and this arrangement enables the wearer to have the suspensory washed, and also to have these removable parts renewed  
15 whenever desired.

Buckles and clasps may be substituted for safety-pins and round for flat elastic, and vice versa, or inelastic tape or cord may be substituted for either.

I believe that suspensories for the testicles 20 have been made heretofore with sacks formed from flat pieces of knitted web or other fabrics, and have been provided with hems or similar devices on one or two sides, and that elastic has been used in the manufacture of 25 them in several ways; but,

Having fully explained my invention, what I claim as original with me is—

The combination of the elastic D, provided with loops G and safety-pins H, and elastic 30 F, and loops K, and connection-straps N, substantially in the manner and for the purposes described.

THEODORE WILLIAM HEINEMANN.

Witnesses:

GOTTFRIED PFLUGHAUPT,  
EMMA VOIGT.