

No. 767,236.

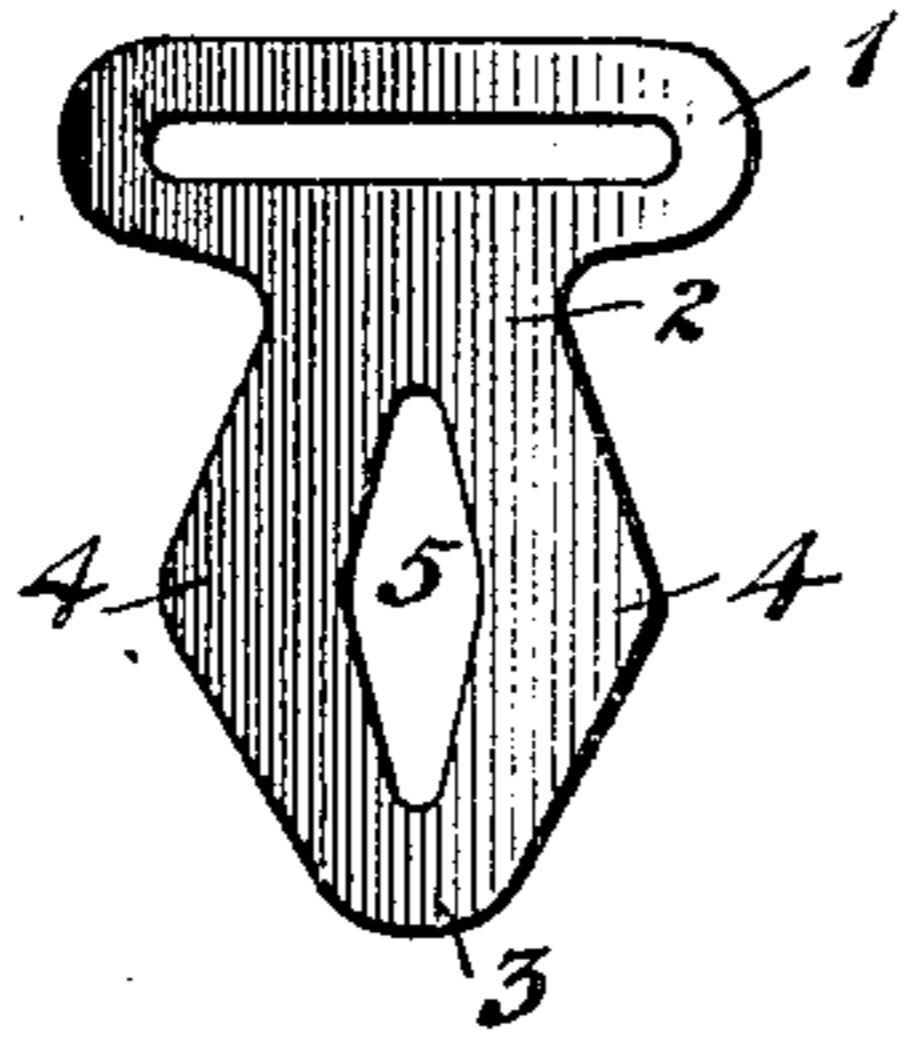
PATENTED AUG. 9, 1904.

J. H. PILKINGTON.  
FASTENER.

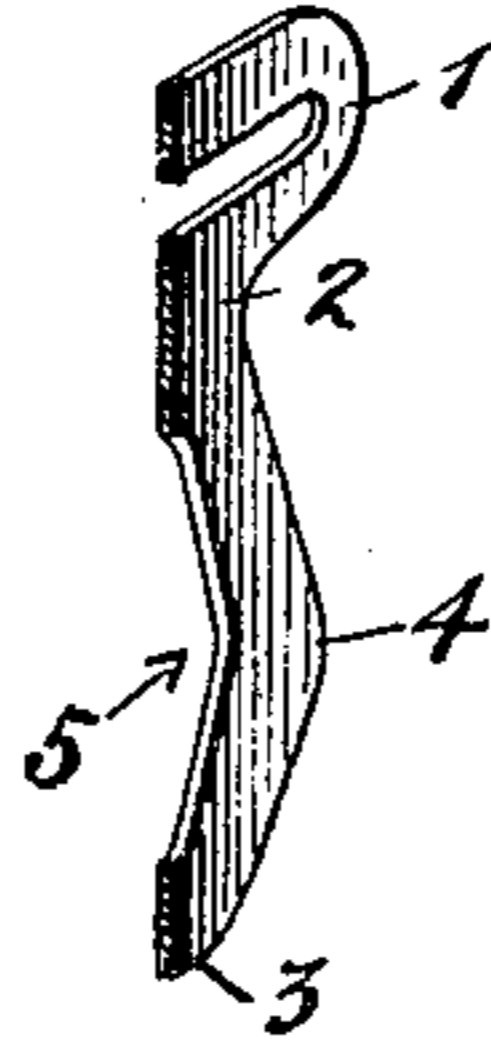
APPLICATION FILED APR. 7, 1904.

NO MODEL.

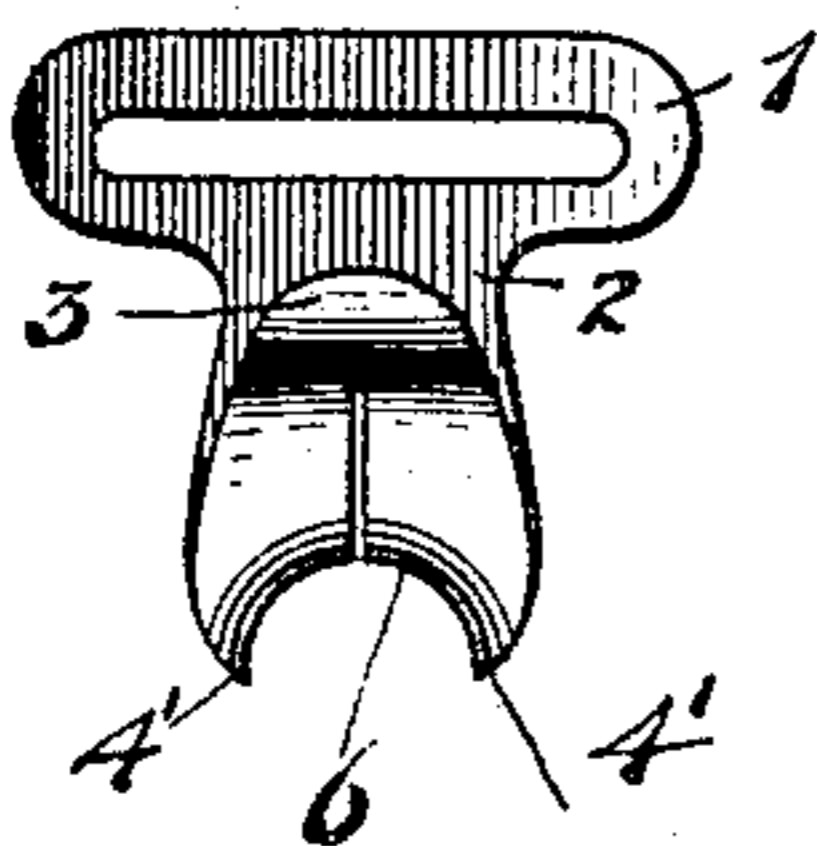
*Fig. 1.*



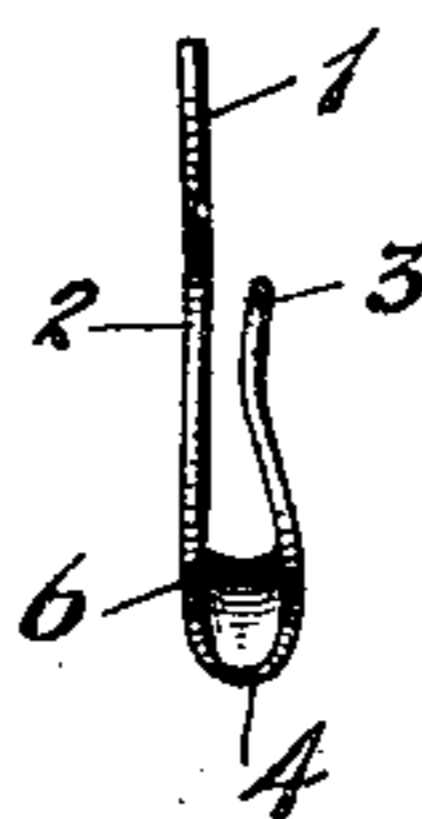
*Fig. 2.*



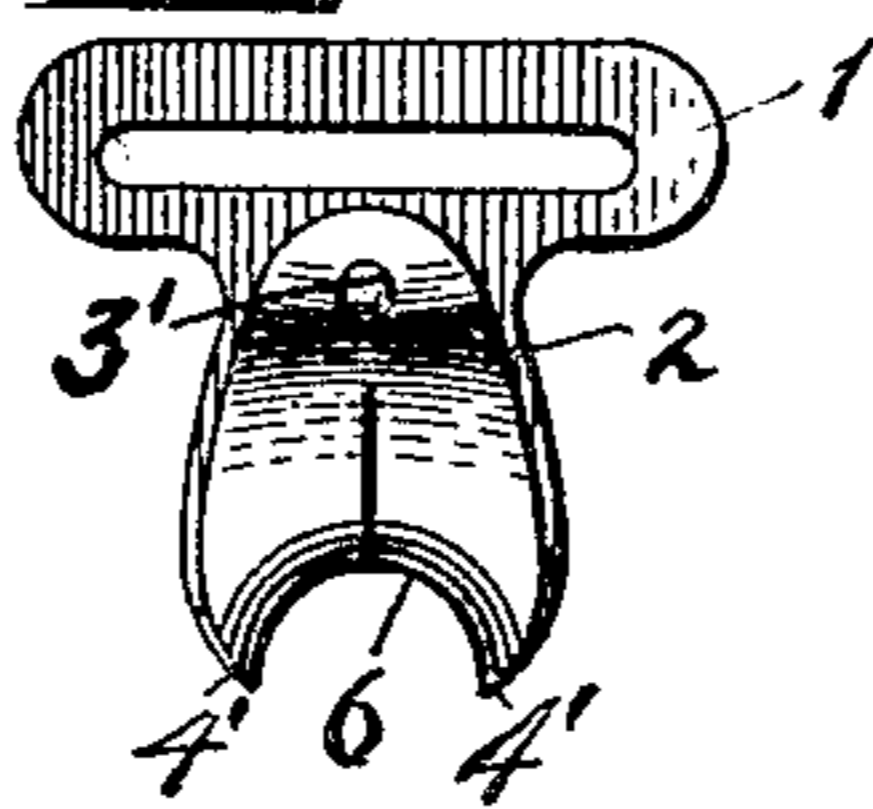
*Fig. 3.*



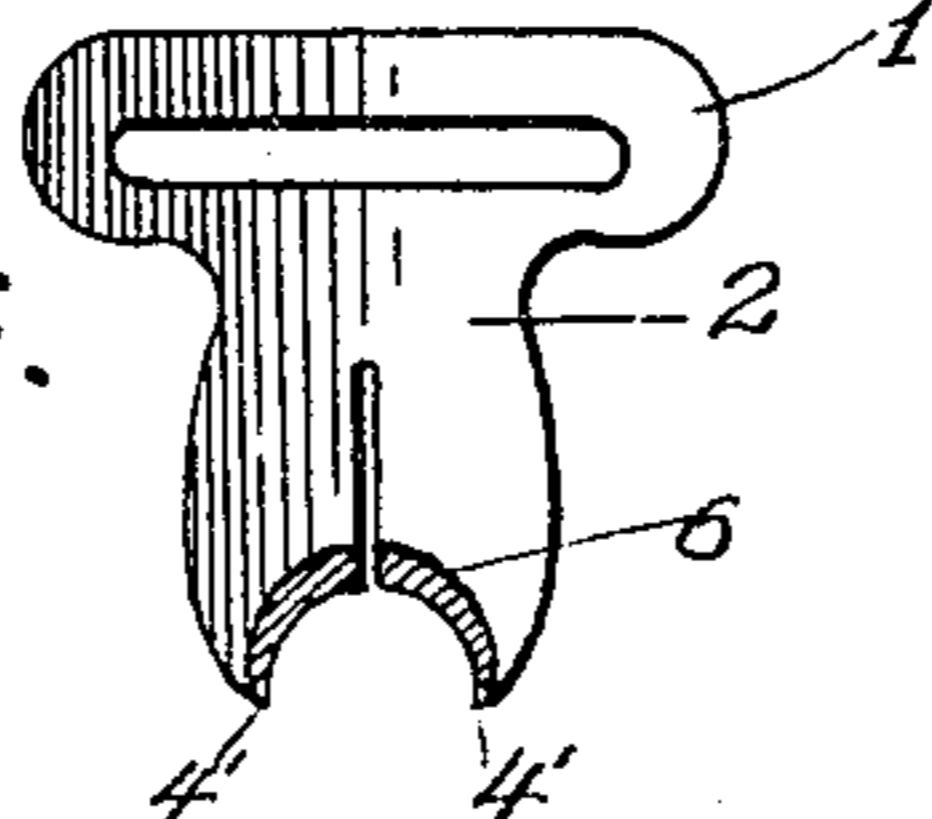
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



Witnesses  
Geo. V. Rasmussen  
*[Signature]*

Inventor  
Joseph H. Pilkington  
By his Attorneys  
*[Signature]*

# UNITED STATES PATENT OFFICE.

JOSEPH H. PILKINGTON, OF WATERBURY, CONNECTICUT, ASSIGNOR TO  
THE SMITH & GRIGGS MANUFACTURING COMPANY, OF WATERBURY,  
CONNECTICUT, A CORPORATION OF CONNECTICUT.

## FASTENER.

SPECIFICATION forming part of Letters Patent No. 767,236, dated August 9, 1904.

Application filed April 7, 1904. Serial No. 201,997. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH H. PILKINGTON, a citizen of the United States, residing at Waterbury, in the county of New Haven, State of Connecticut, have invented certain new and useful Improvements in Fasteners, of which the following is a full, clear, and exact description.

My invention relates to improvements in fasteners, and particularly to an improved construction for garment-supporters, as illustrated in the accompanying single sheet of drawings and described in the following specification.

The object of the invention is to produce a fastener which will serve the usual purpose of such structures and have the added advantages of the least possible wear upon the cord which coacts with the bearing-surface. In constructing such a device I have met with particular difficulty in producing a suitable curved bearing-surface without injuring the metal or so weakening it as to make it impractical or so complicating it as to make it expensive. By my improved construction I have obtained the particular advantages of simplicity and economy of construction, lightness of weight, strength of parts, and smooth and nicely-rounded bearing-surfaces.

Figure 1 is a view of a blank, of sheet metal, illustrating the first step in forming a fastener of my invention. Fig. 2 is a perspective view of one-half and showing a section of the same. Fig. 3 is a view of a completed hook embodying my invention. Fig. 4 is a side elevation of the same. Fig. 5 is a view similar to Fig. 3, but in which the tip of the hook is fastened down to the shank. Fig. 6 is a view similar to Fig. 3, but showing a section through the bearing-surface.

In the drawings, 1 represents the end of the hook to which the elastic or strap is attached.

2 indicates the body of the hook.

3 is the tip of the hook, which in the completed form of the device is bent slightly outward.

The fastener is formed, preferably, from a

flat blank of metal—as of brass, for instance—and stamped to the required shape.

4 4 are ears which are formed at each side of the main body of the blank and which serve when the article is completed to form the outer extremities 4' 4' of the bearing portion of the hook.

In order to give the bearing-surface a round and as full a curve as is possible without injuring the metal, I form an elongated perforation 5 in the blank. When the tip is bent up and the hook completed, the two sides of the body are brought close together, as shown in Fig. 3, closing up the opening 5. This permits the ears to be brought toward each other to a very large degree and allows for the wide and smooth curved bearing 6. The metal at these terminal points 4' 4' is preferably thinned out slightly in the process, so as to increase the curvature of the bearing 6 and provide a smoother and more satisfactory finish, as shown in Fig. 6.

In the fastener shown in Fig. 5 the tip is secured to the shank or body by a rivet 3'. The cord may of course be run over the curved bearing-surface and obtain many of the advantages of the invention. The advantages of such a construction aside from those above mentioned will be apparent to one skilled in the art of the manufacture and use of such structures.

What I claim is—

As an article of manufacture, a fastener formed of sheet metal and comprising a body portion or shank, a tip or bill integral therewith and forming a curved bearing-surface arched between the edges thereof the side portions of said fastener being united at the shank and at the tip and the metal between the side portions being removed and relieving the tension in the outer edges.

Signed at Waterbury, Connecticut, this 5th day of April, 1904.

JOSEPH H. PILKINGTON.

Witnesses:

LAWRENCE L. LEWIS,  
CLARA L. DODGE.