

No. 629,724.

Patented July 25, 1899.

A. S. NEUMARK.
LACING STUD OR HOOK.

(Application filed Aug. 5, 1898.)

(No Model.)

Fig. 1.

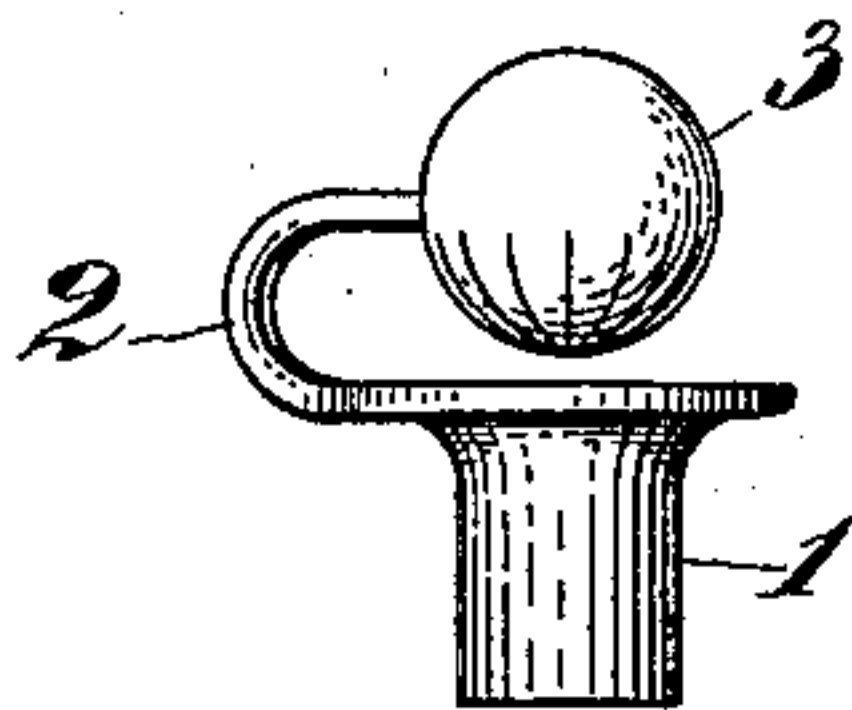


Fig. 2.

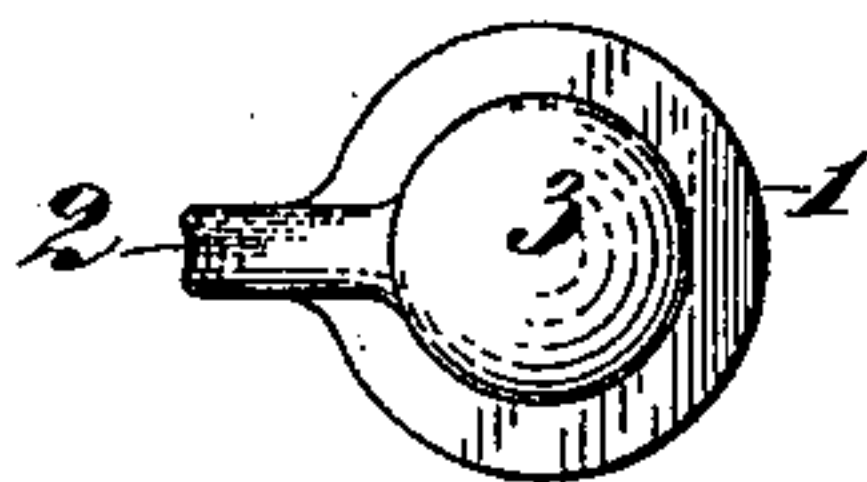


Fig. 3.

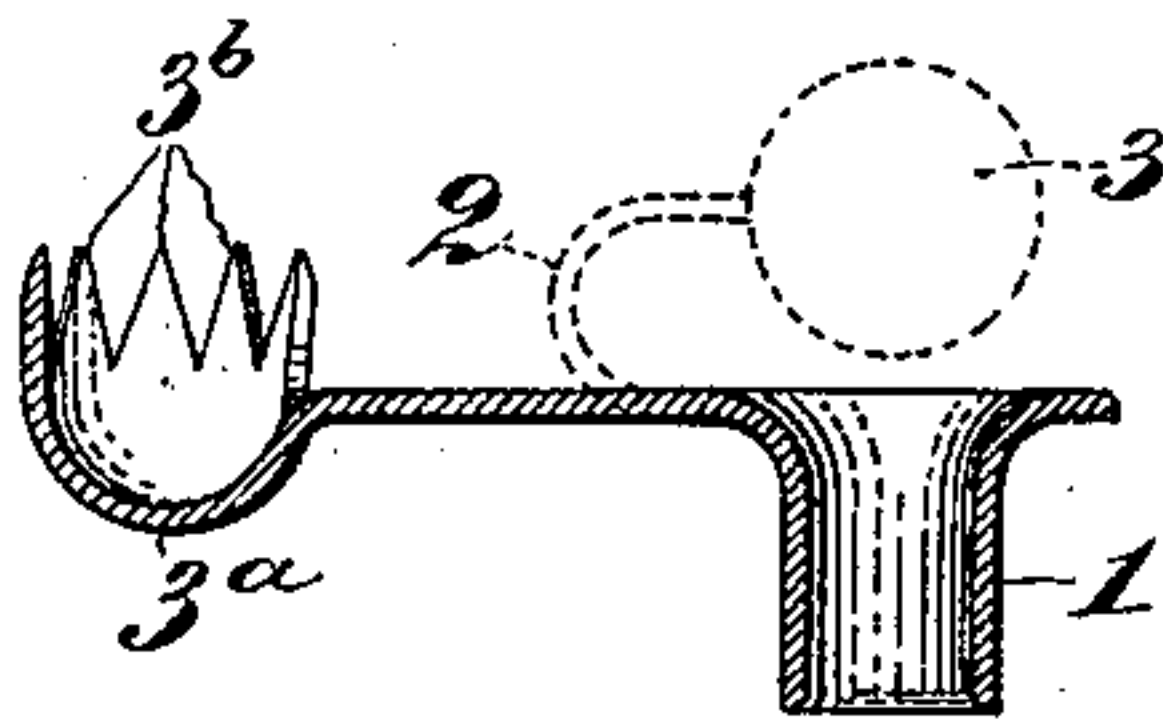
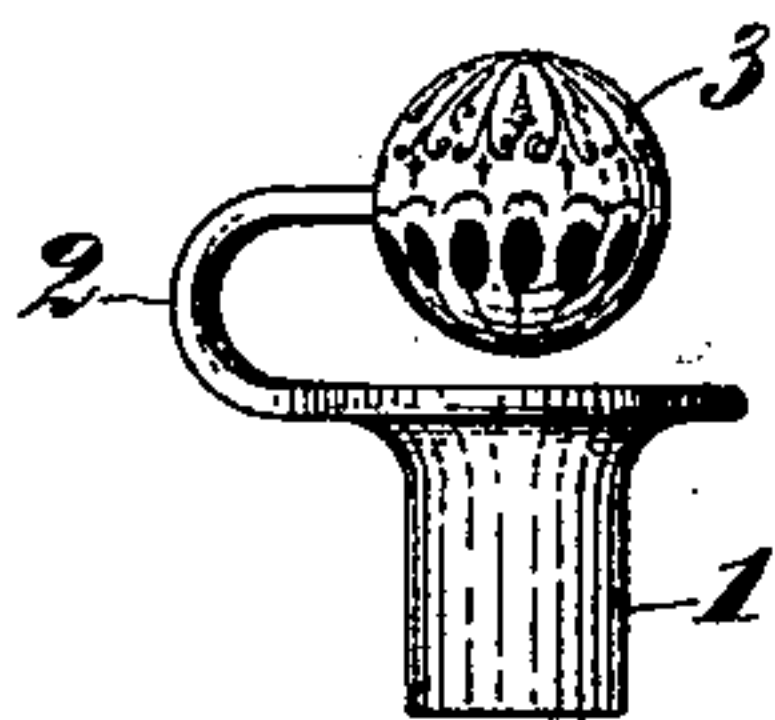


Fig. 4.



WITNESSES:

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LACING STUD OR HOOK.

SPECIFICATION forming part of Letters Patent No. 629,724, dated July 25, 1899.

Application filed August 5, 1898. Serial No. 687,815. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM S. NEUMARK, a subject of the Emperor of Germany, residing at New York, in the borough of Manhattan, and county and State of New York, have invented certain new and useful Improvements in Lacing-Studs, of which the following is a specification.

This invention relates to the class of studs used on wearing-apparel to engage a lace or lacing-cord, each of which ordinarily comprises a securing device—as an eyelet, for example—and a curved shank carried by the securing device and adapted to be engaged by the lace. The ordinary lacing-stud used on shoes is a fair example of this class of devices.

The present invention has for its object to provide a metal stud made from one piece and having a light hollow globular head free from edges, points, or angles, which are liable to tear the clothing, and particularly the apparel of women.

In the annexed drawings, which serve to illustrate an embodiment of the invention, Figure 1 is a side elevation of the lacing-stud. Fig. 2 is a plan of the same, and Fig. 3 is a sectional view illustrating the manner of constructing the stud from a single piece of sheet metal. Fig. 4 is a view similar to Fig. 1, showing how the hollow head on the hook lends itself to ornamentation.

1 represents the eyelet or hollow rivet, which is the preferred securing device by which the stud is attached to the fabric or clothing. 2 is the curved shank, formed integrally with said eyelet, and 3 is the spherical head, also formed integrally on the free end of the shank.

While I prefer to use the eyelet form of securing device, such an eyelet is well known for these uses, and some other form of known fastening may be used as well.

In constructing the lacing-stud the manner of proceeding illustrated in Fig. 3 may be followed—that is to say, a blank of the proper contour and size is cut from sheet metal, and then the form shown in Fig. 3 is imparted to it by dies. The eyelet 1 is drawn and the head cupped to form the upper hemisphere 3^a in Fig. 3, thus leaving points or gores 3^b in Fig. 3 to form ultimately the lower hemisphere. These gores are next brought to-

gether edge to edge to form the lower half of the ball or sphere, and the connecting-shank 2 is bent to the form seen in dotted lines in Fig. 3. The shank 2 takes the place of one of the gores and is bent away and springs from the head at right angles at the side thereof and at the bases of the gores—that is, at the line where the two hemispheres come together. Being absolutely without edges or angles and projecting upwardly or outwardly for half its diameter from the point where it joins the shank, and being also relatively large, it will be noted that the spherical head cannot catch in the garments of the wearer and may be made an ornament. The head is set in axial alinement with the eyelet.

The hollow ball or head on the shank is susceptible of being highly ornamented, if this should be desired, and it may be cut through in an ornamental manner to form open-work or be chased on its upper part. Its under surface where the lace passes under it should, however, be smooth.

My lacing-stud may be employed for any purpose where such a stud is required on apparel, as on shoes, women's waists, and the like.

Having thus described my invention, I claim—

1. As an improved article of manufacture, a sheet-metal lacing-stud having a spherical head with its curved shank integral with said head, the lower hemisphere of the head being formed of gores and the shank joining said head at a right angle at the bases of said gores, and means for securing the lacing-stud, substantially as set forth.

2. A sheet-metal lacing-stud comprising a securing-eyelet, a curved shank integral therewith, and a hollow, spherical head on and integral with said shank, said head having its lower part, adjacent to the securing device, formed of gores fitting together edge to edge so as to produce the lower part of the spherical head, substantially as set forth.

In witness whereof I have hereunto signed my name, this 4th day of August, 1898, in the presence of two subscribing witnesses.

ABRAHAM S. NEUMARK.

Witnesses:

HENRY CONNETT,
PETER A. ROSS.