Sept. 25, 1928.

C. JANSEN

1,685,489

LACE FOR FOOTWEAR

Filed Feb. 24, 1928

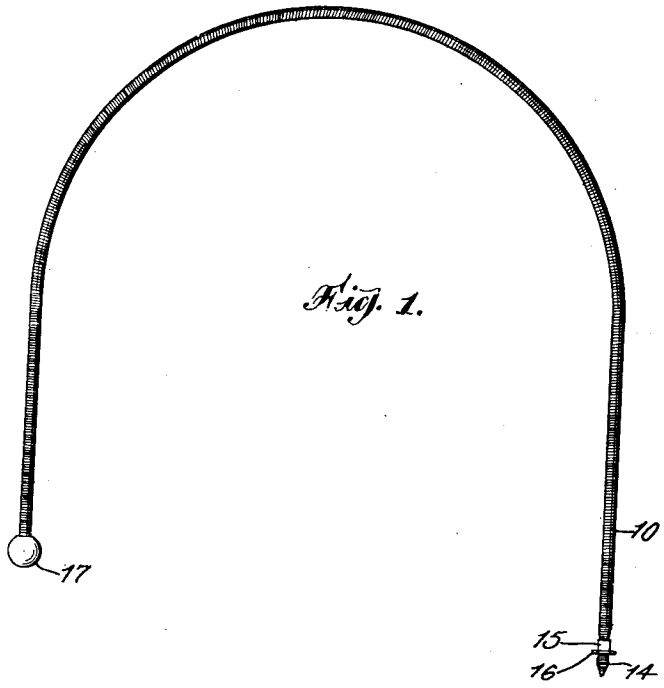
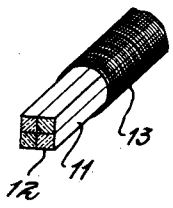


Fig. 1.

Fig. 2.



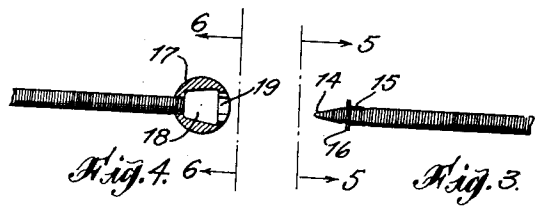


Fig. 4.

Fig. 3.

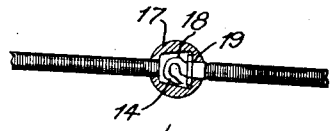


Fig. 7.

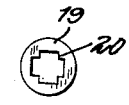


Fig. 6.



Fig. 5.

Carl Jansen Inventor

By his Attorney

George C. Heinicke

Patented Sept. 25, 1928. 1,685,489

UNITED STATES PATENT OFFICE.

CARL JANSEN, OF NEW YORK, N. Y.

LACE FOR FOOTWEAR.

Application filed February 24, 1928. Serial No. 256,610.

This invention relates to improvements in shoe-laces, particularly elastic shoe-laces, and it is the principal object of my invention to provide a shoe-lace chiefly consisting of a plurality of rubber strips, preferably of square cross-section encased in an outer coat of suitable fabric and provided at the ends with novel and improved retaining means.

Another object of my invention is the provision of an extremely simple and therefore inexpensive shoe-lace which is durable and does away with the unsightly knots and allows a ready and convenient closure of foot wear.

These and other objects and advantages of my invention will become more fully known as the description thereof proceeds, and will then be specifically defined in the appended claim.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 shows in elevation a shoe-lace, and fastening means therefor constructed according to my invention.

Fig. 2 is a fragmentary perspective view of a shoe-lace showing its interior structure, and its outer mantle.

Fig. 3 is a fragmentary side elevation of one end of the lace, partly in section.

Fig. 4 is a fragmentary side-elevation, partly in section of the other end of the shoe-lace.

Fig. 5 is an end view seen in the direction of arrows 5—5 of Figure 3.

Fig. 6 is an end view seen in the direction of arrows 6—6 of Fig. 4.

Fig. 7 illustrates in fragmentary side elevation, partly in section showing both ends of the lace united.

As illustrated on the drawing, the shoe lace 10 has its inner core made of a plurality of rubber strings 11, preferably formed, as shown, united in any well known manner and of substantially square cross-section as at 12. This bundle of four etc., strings is encased in an outer mantle 13 spun or otherwise guided around the core and made of silk, thread, yarn, rubberized or not, or other suitable and durable material.

One end of the shoe-lace is formed into a point, as indicated at 14, and carries at a distance beyond the point a metal sleeve 15 having its front formed into a plate 16 having substantially the form of a cross, as shown in Figure 5.

The other end of the lace is ball-shaped, as at 17 and has formed thereon a socket 18 of substantial key-stone form, the outer end of which is closed by a plate 19, provided with an opening 20 of cross-shape as shown in Figure 6 adapted to receive the end plate 16 of the other end of the shoe-lace, the dimensions of which are so selected that plate 16 can be readily introduced into the socket 17 through the opening 20 in plate 19 and when intended, will engage the inner wall of plate 19 while the point 14 will assume the position indicated in Figure 7.

This will explain the operation of my device sufficiently and therefore further detailed explanation will not be necessary.

It will be understood that my shoe-lace is preferably intended for use with foot wear having eyelets with undercut heads, and that I have shown and described the preferred form of my shoe-lace as an example only of the many ways in which the same may be practically constructed, and that I may make such changes in its construction as come within the scope of the appended claim without departure from my invention.

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

For shoe-laces of the class described a fastening means for connecting the ends of said lace comprising a point at one end, a sleeve on the lace at a distance from said point, a substantially arm-shaped end plate for said sleeve, a ball-shaped body having a hollowed substantially keystone shaped socket formed therein at the opposite end of the lace, an end plate for said socket having a median cross-shaped opening adapted to receive and allow the passage of the cross-shaped end plate of the other lace end into said socket to be locked therein by a twist of the lace.

Signed at New York in the county of New York and State of New York this 28th day of November A. D. 1927.

CARL JANSEN.