M. W. SCHLOSS.

ELASTIC CORD OR STRAND.

APPLICATION FILED MAY 13, 1912.

1,066,759. Patented July 8, 1913.

Fig. 1.



Fig. 2.

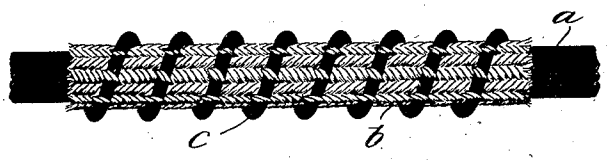
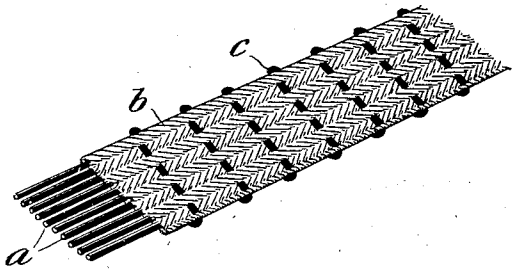


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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ELASTIC CORD OR STRAND.

1,066,759. Specification of Letters Patent. Patented July 8, 1913.

Application filed May 13, 1912. Serial No. 696,911.

To all whom it may concern:

Be it known that I, MEYER W. SCHLOSS, a citizen of the United States, residing at the city of New York, in the borough of Manhattan and State of New York, have invented certain new and useful Improvements in Elastic Cords or Strands, of which the following is a full, clear, and exact description.

This invention relates to elastic cords, strands or straps, the object being to provide such an article with an exterior surface capable of affording a frictional grip when brought into engagement with a body or surface with which it may be associated. I have reference especially to garters and belts made of such elastic strands or straps wherein it is desirable that the belt or strap shall retain a certain position and hold a waist or stocking at the corresponding position. In connection with shirtwaists it is customary to employ a string at the waist-line to gather the lower edge of the garment and hold it in to the figure. But an ordinary string or tape permits the waist to slip up and disarrange its fit. By using a belt or cord which has a good gripping surface, the waist will the better be held in position. Likewise if an elastic garter strap such as commonly used by men is provided with a good gripping surface, it will remain in position above the calf of the leg better.

My invention, which is intended to supply the material from which such belts, garters and similar appliances may be made, consists of an elastic cord or strand having an elastic core such as rubber and a covering of woven, braided, wrapped, or other textile fabric, said covering having interlaced with it and exposed upon the surface thereof a coarser or thicker cord or thread than the threads of which the textile covering is composed. This thicker cord or thread is associated with the threads of the covering in such a manner that it occurs along the length of the cord or strand at spaced apart intervals, presenting a series of projections, ribs, or ridges, or a continuous rib or ridge spirally or otherwise arranged upon the surface of the cord or strand. These projections when pressed into contact with a garment enable the cord or strand to grip the garment and retain its position thereon. As a means for increasing the gripping action, I also propose that this extra cord which furnishes the ridge or ridges may be of rubber, since that material will take a better hold and permit of less slip than a fibrous cord having a different kind of surface.

In the accompanying drawing: Figure 1 is a side view, on a small scale, of a cord constructed in accordance with my invention; Fig. 2 is an enlarged detail view of a portion of the cord shown in Fig. 1, and Fig. 3 is a view of a flat, tape-like cord also constructed in accordance with my invention.

a is an elastic core which may be composed of one or more strands of rubber as desired.

b is the ordinary textile covering for the core which may be applied thereto by a braiding, weaving, twisting, wrapping, or other suitable process, so long as the core may be permitted to stretch to a certain extent.

c indicates the associated thread or cord of either fibrous material or rubber, which is interlaced in any suitable way with the threads of the covering *b* in order to hold it in place thereon, but which is considerably coarser or thicker than the cords of which the covering *b* is composed, so as to afford a projecting element or ridge wherever it appears upon the surface of the finished article. This cord *c* is preferably so associated with the threads of the covering that the ridges which it forms are spaced apart considerably so that there will be a considerable depression between adjacent ridges.

In Fig. 3 the elastic tape or ribbon is composed of rubber strands *a* arranged all in one plane to form a band, which is covered on opposite faces with the textile covering *b* to which is secured, by interlacing in any suitable manner, the coarse gripping cord *c*.

The material in either of these forms may be made up into shirtwaist belts and is found to be very serviceable in holding the waist firmly in place. As a garter the tape form

of Fig. 3 is very serviceable in that the projecting ridges, especially if of rubber, afford an excellent grip upon the undergarment above the calf of the leg, preventing the garter from dropping down.

Having described my invention, I claim:

An elastic cord or strand comprising an elastic core, a textile covering therefor and a rubber cord interlaced with the covering and being exposed at intervals to present exterior frictional surfaces, as set forth.

In witness whereof, I subscribe my signature, in the presence of two witnesses.

MEYER W. SCHLOSS.

Witnesses:
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