

H. F. SCHELLING.
SHOE LACE AND THE LIKE.
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943,607.

Patented Dec. 14, 1909.

Fig. 1.

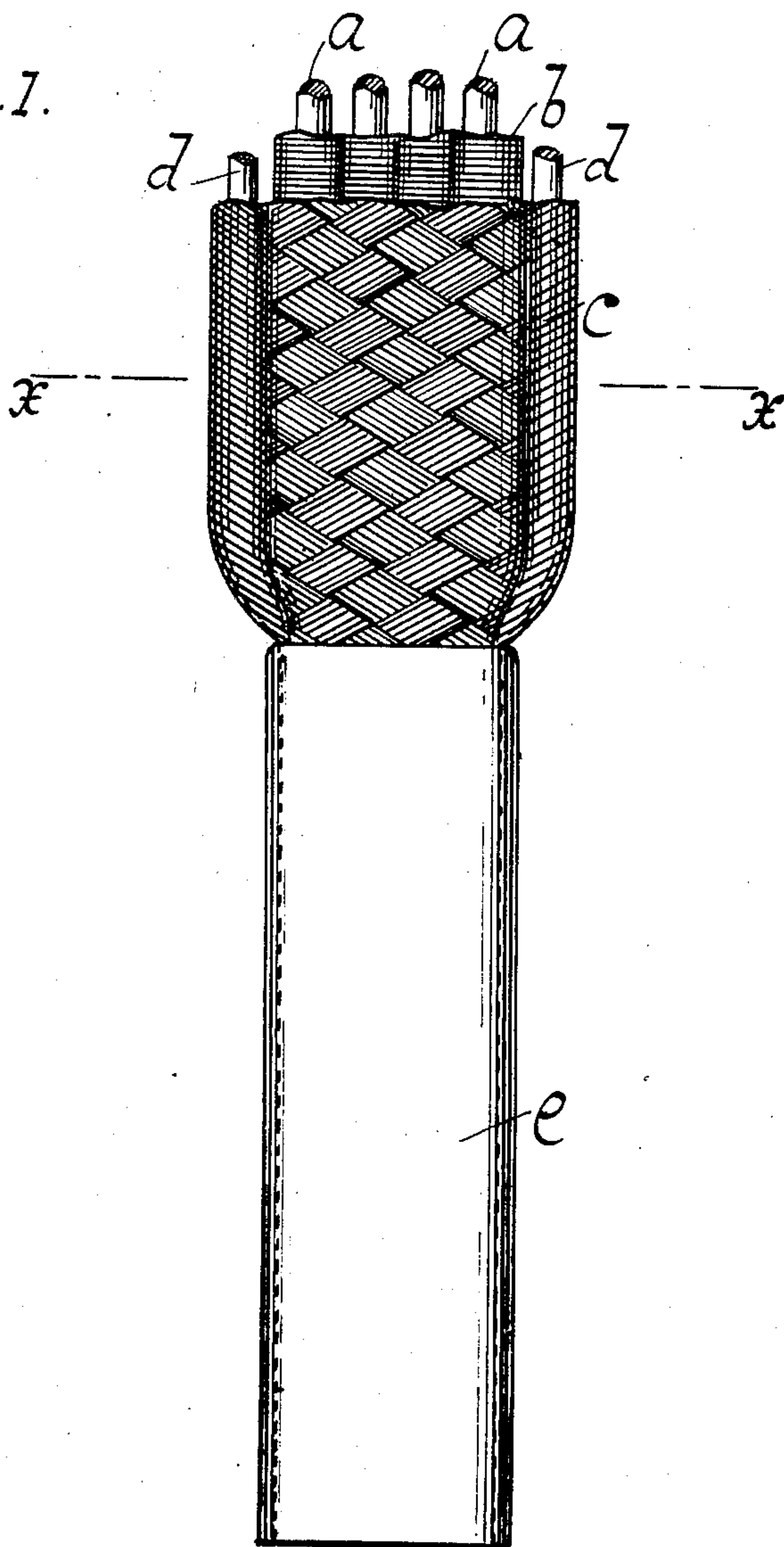
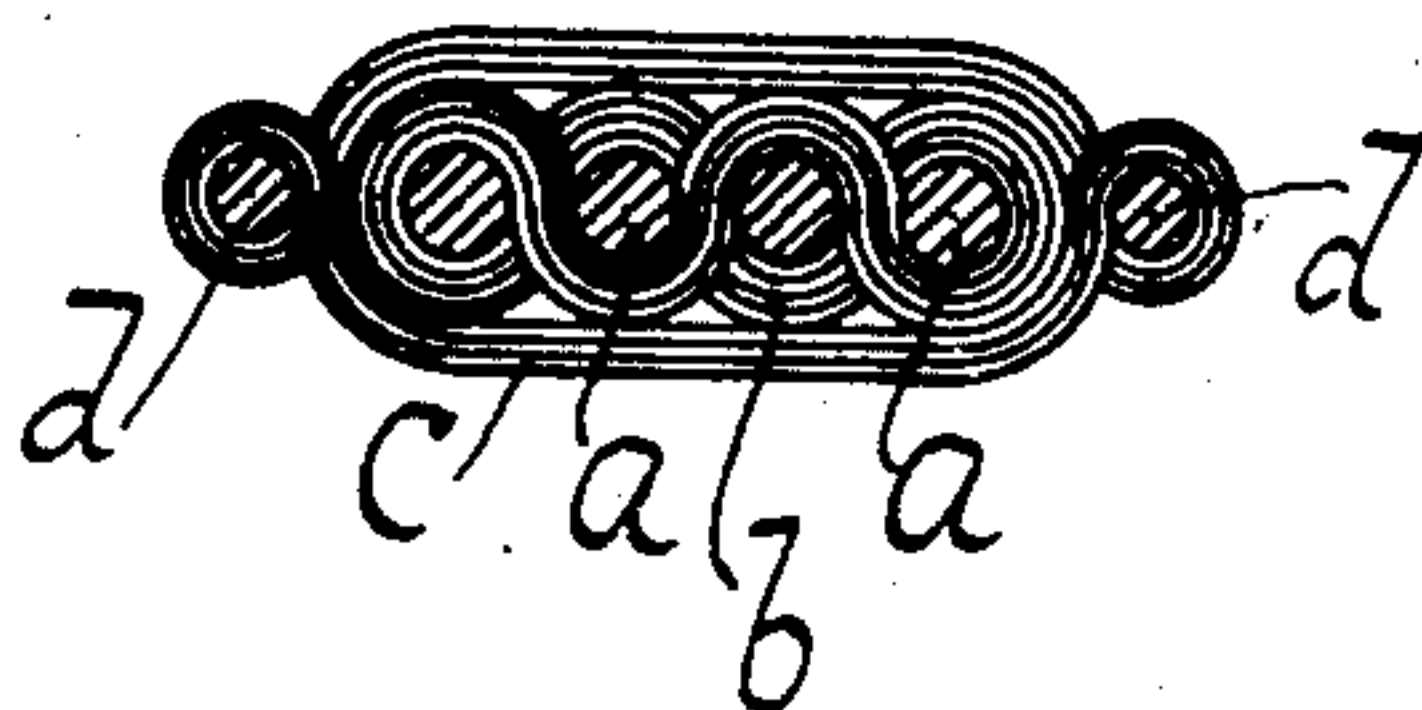


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

HERMANN F. SCHELLING, OF WEEHAWKEN HEIGHTS, NEW JERSEY.

SHOE-LACE AND THE LIKE.

943,607.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed June 9, 1909. Serial No. 500,995.

To all whom it may concern:

Be it known that I, HERMANN F. SCHELLING, a citizen of the United States, residing at Weehawken Heights, county of Hudson, State of New Jersey, have invented new and useful Improvements in Shoe-Laces and the Like, of which the following is a specification.

This invention relates to a shoe-lace, cor-
10 set-lace and the like which is composed of several strands of elastic material which are united to one another or interwoven with cotton or other fibers such as silk, linen threads or other suitable materials in either
15 a zig-zag form or horizontally so as to form one stretchable piece of lace. The lace is incased in a tubular covering woven in a zig-zag form by one or more cotton, silk or linen threads, fibers or any other suitable
20 material in manner as to form a cellular or any other form of pattern and particularly diagonal or angular. If this tubular covering thus woven is pulled lengthwise it will stretch correspondingly. In order to bring
25 the tubular covering back to its normal form strands of rubber are interwoven at both edges which will act as a pull back. This tubular covering has the following advantages:—First: It protects the inner inter-
30 woven rubber strands from direct touch, use and wear outside of its own original purpose as a stretchable lace. Second: It gives additional strength to the whole lace by the use of cotton or other suitable durable material in connection with the two outside
35 edge rubber strands instead of a customary rubber material which latter has not the durability of cotton or other material used.

Third: It gives the lace a finished appearance and presents a neat complete article for 40 marketing.

This invention is set forth in the following specification and claim and illustrated in the annexed drawing in which:—

Figure 1 is a side elevation of a shoe-lace 45 embodying this invention. Fig. 2 is a section along the line $x x$ Fig. 1.

In this drawing is shown a shoe-lace comprising a suitable number of strands or
50 elastics a . These elastics are united or interwoven by means of suitable strands or weaving b . About the lace is a tubular covering as shown at c . This covering is provided along its edges with elastic
55 strands d .

The metallic tip is shown at e surrounding the lace and its covering or over-coat c . This shoe-lace can be used in connection with a tip or according to the manner illustrated under my United States Patent No. 60 849,921 of April 9th, 1907 but is not necessarily confined thereto.

I claim:

As a new article of manufacture, a shoe-lace comprising elastic strands suitably 65 united to one another by weaving, and a tubular covering for the lace, said covering having each of its edges provided with an elastic strand.

In testimony whereof I have hereunto set 70 my hand in the presence of two subscribing witnesses.

HERMANN F. SCHELLING.

Witnesses:

WM. E. WARLAND,

WM. C. HAUFF.