No. 817,079. PATENTED APR. 3, 1906.

J. L. MAHONEY.

STRIPED RUBBER TUBING.

APPLICATION FILED JULY 29, 1905.

Fig. 1.

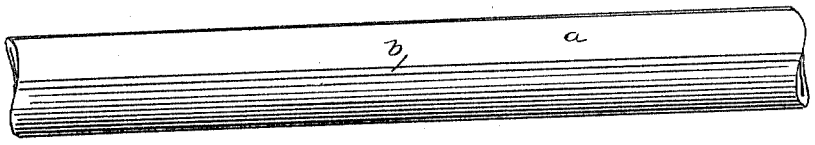


Fig. 2.

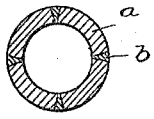


Fig. 3.

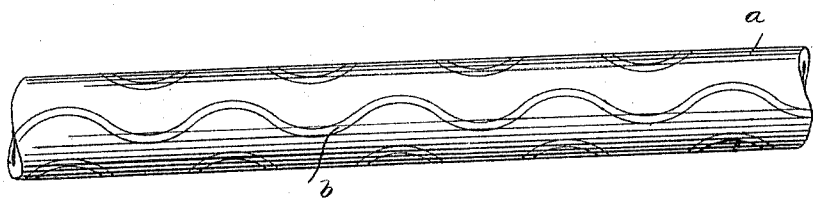
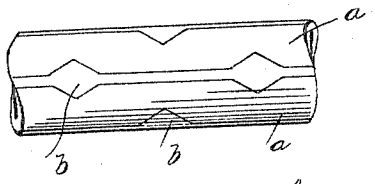


Fig. 4.



WITNESSES

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STRIPED RUBBER TUBING.

No. 817,079. Specification of Letters Patent. Patented April 3, 1906.

Application filed July 29, 1905. Serial No. 271,810.

To all whom it may concern:

Be it known that I, JEREMIAH L. MAHONEY, a citizen of the United States, residing at Naugatuck, county of New Haven, State of Connecticut, have invented a new and useful Striped Rubber Tubing, of which the following is a specification.

This invention relates to ornamental manufactures from plastic compounds particularly consisting mainly or wholly of rubber; and the object of this invention is the production of tubing composed of differently colored or shaded compounds alternating with each other to form stripes.

In producing the article of manufacture claimed herein differently colored or shaded rubber compounds are separately fed to and through suitable chambers, one of which incloses the other. From the central chamber, which contains one compound, an annular space leads between suitable dies, said annular space being subdivided. From the outer or annular chamber another compound is passed through the annular space between the dies at a point behind the divided portion of said annular space, the compound which passes from said outer chamber filling the spaces formed by the partitions or ribs which divide the annular die-space leading from the central chamber. In this manner straight stripes are formed lengthwise of the tubing. By introducing oscillatory dies across the annular die-space at a point between the stationary partitions or ribs and the point at which the compound from the outer or annular chamber is introduced into said die-space and actuating said oscillatory dies the striped effect becomes serpentine. By alternately stopping and starting either or both of the feeding mechanisms or by varying the speed of said feeding mechanisms relatively to each other the stripes may be made to vary in width and diamond or other shaped figures or enlargements may be produced in the stripes or strips.

An apparatus such as referred to above is described and claimed in an application filed by me concurrently herewith, in which application I claim the method or process, as well as the apparatus.

My present invention consists in the article of manufacture substantially as herein described and claimed.

Of the accompanying drawings, Figure 1 represents a piece of tubing embodying my present invention, the stripes being straight from end to end of the tubing. Fig. 2 represents a cross-section of the same. Fig. 3 is a view similar to Fig. 1, but representing the stripes as serpentine; and Fig. 4 is a view similar to Fig. 1, but representing the stripes as having widened portions in the form of diamond-shaped figures.

In the drawings the tubing is shown as composed of relatively wide strips *a* and narrow strips *b*, forming stripes which alternate with each other and which in practice are differently colored or shaded. The strips or stripes *b* extend lengthwise of the tubing and may be straight, as indicated in Fig. 1, or serpentine, as indicated in Fig. 3, or figured, as indicated in Fig. 4, in which I have shown the stripes as having widened enlargements in the form of diamond-shaped figures. It should be understood, however, that any special shape of figures is not of the essence of the invention, but that the shape of the figures may be greatly varied without departing from the principle of the invention. The strips *a b* are formed and assembled while the compounds are in a condition to cause said strips to adhere in the tubular form shown, after which the ordinary processes of vulcanization finish the article.

By slitting the tube longitudinally before vulcanization it may be laid out flat, so as to produce after vulcanization a piece or sheet as wide as the original circumference of the tube, which sheet will have stripes straight or serpentine or figured, according to the form of said stripes produced in the tubular form.

It is to be understood that the term "tubing" which I employ in my claims is intended to cover the article whether slitted or not. In other words, the article is first manufactured in the form of tubing, and that form is not changed by the act of slitting it.

Having thus described my invention, I claim—

1. As a new article of manufacture, tubing composed of differently colored or shaded rubber compounds of uniform thickness al-

ternating with each other to form stripes extending from the outer face to the inner face of the tubing.

2. As a new article of manufacture, rubber tubing having contrasting stripes lengthwise thereof, extending from the outer face to the inner face of the tubing.

3. As a new article of manufacture, rubber tubing having contrasting serpentine stripes lengthwise thereof, the said stripes being of the same thickness as the material between the stripes.

In testimony whereof I affix my signature in presence of two witnesses.

JEREMIAH L. MAHONEY.

Witnesses:
A. M. WOOSTER,
S. W. ATHERTON.