

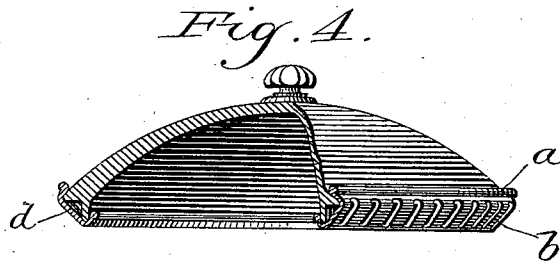
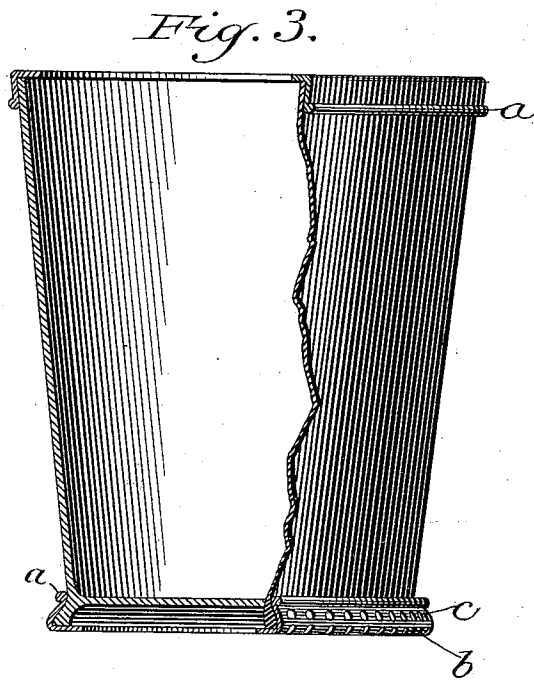
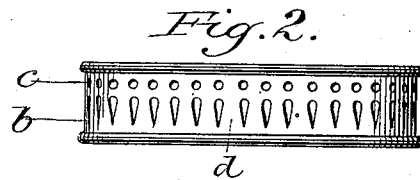
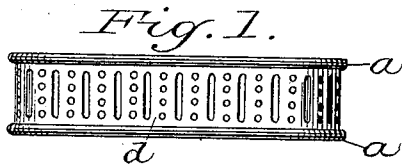
(No Model.)

E. CASE.

RUBBER SOUND DEADENER AND PACKING BAND.

No. 350,477.

Patented Oct. 12, 1886.



Witnesses:

W. J. M. Jones
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Inventor:

Estella Case.

UNITED STATES PATENT OFFICE.

ESTELLA CASE, OF NEW YORK, N. Y.

RUBBER SOUND-DEADENER AND PACKING-BAND.

SPECIFICATION forming part of Letters Patent No. 350,477, dated October 12, 1886.

Application filed September 13, 1886. Serial No. 213,470. (No model.)

To all whom it may concern:

Be it known that I, ESTELLA CASE, a citizen of the United States, residing at New York city, in the county and State of New York, have invented certain new and useful Improvements in a Rubber Sound-Deadener and Packing-Band Combined; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to an endless elastic cushioning and packing band; and the objects of my improvements are, first, to provide for the use of pipe-rubber in manufacturing them, in order to secure cheapness, elasticity, and a better quality of rubber than when molded, and, second, to so construct a flat band that it may be sprung over the edge of a vessel and held by its own elasticity, with no tendency to draw off. I attain these objects by the means illustrated by the accompanying drawings, in which—

Figures 1 and 2 show two forms of my bands detached. Fig. 3 represents a cup provided with my improved bands. Fig. 4 shows the band attached to a lid. Fig. 5 shows a perspective view of one of my bands.

Similar letters refer to similar parts throughout the several views.

In the band shown in Fig. 1 the edge is rolled or hemmed at *a*, to secure greater contractile force at the edge than at the center, for if the contractile forces of each are equal the contractile force at the center, with the contractile force of the portion of the band extending beyond the edge of the vessel, will draw the band off. In the form shown in Fig. 2, incisions *b*, &c., are made in the band to weaken the contractile force in the center, thus effecting the same result as in the other form of band. The incisions also give the bands greater range of elasticity, and enable them to fit a greater number of vessels of various sizes. Fig. 2 also shows a band having two rows of incisions, *b* and *c*, extending around the band. This band is used on a lid and adapted to prevent the escape of odors, the band *d*, between the incisions, resting against the flange of the lid as it is pressed into the opening of the vessel. In Fig. 2 are

shown elongated incisions *b*, made across the band, in order that the central parts of the band may be pressed together and take the form of the flange of the lid when it is in use.

I am aware that prior to my invention rubber bands made in molds have been used for cushioning the edges of vessels; but molded rubber possesses less elasticity and is of poorer quality than that used in making flat bands, and the flat bands can be made much more cheaply. By my improvements I am enabled to use a flat band which could not be used before on account of its tendency to draw off from the edge of the vessel. Flat bands, as shown in Fig. 5, can also be packed more closely for shipping, and by slipping one over each end of a vessel these articles can be nested and the bands will separate them and greatly reduce the risk of breakage.

I do not claim, broadly, the combination, with the edge of a vessel, of a rubber band; nor do I claim, broadly, a solid band having re-enforced edges; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a flat rubber band having its central portion provided with incisions, whereby the edges of the band will possess greater contractile force than the center, as and for the purpose set forth.

2. As an article of manufacture, a flat rubber band having its edges rolled or hemmed, and having its central portions formed with incisions, as and for the purpose set forth.

3. As an article of manufacture, a flat rubber band having two rows of incisions, with a broad space between the rows, as and for the purpose set forth.

4. As an article of manufacture, a flat rubber band with elongated incisions running across the band, as and for the purpose set forth.

5. As an article of manufacture, a flat rubber band with rolled or hemmed edges, and having its central portions provided with two rows of incisions with a broad plain portion between, and one row of the incisions elongated, as and for the purposes set forth.

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

ESTELLA CASE.

Witnesses:

H. C. HUNTEMANN,
W. E. STEARNS.