

(No Model.)

E. J. STEWART.
PACKING FOR BOTTLES.

No. 381,290.

Patented Apr. 17, 1888.

Fig. 1.

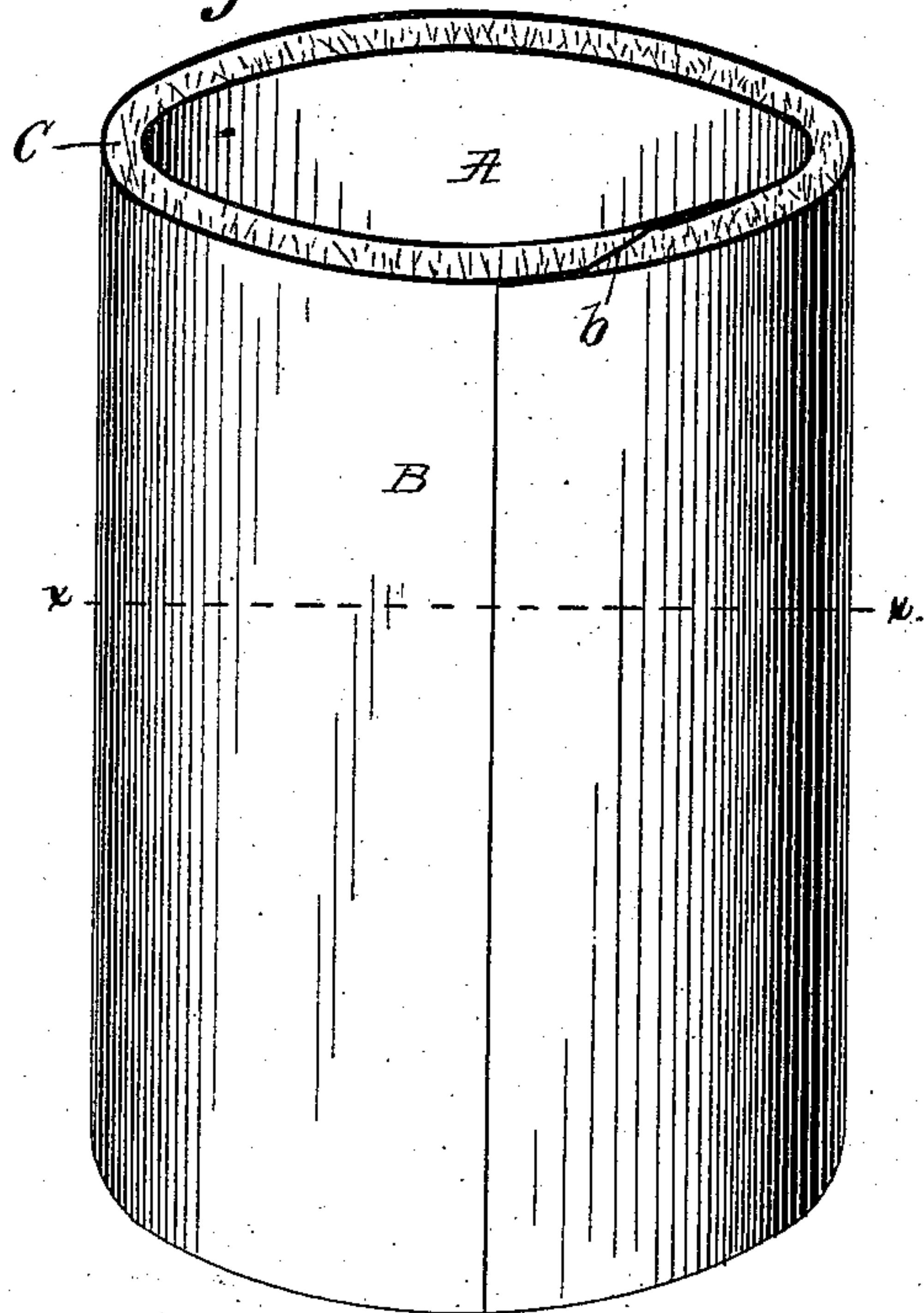


Fig. 2.

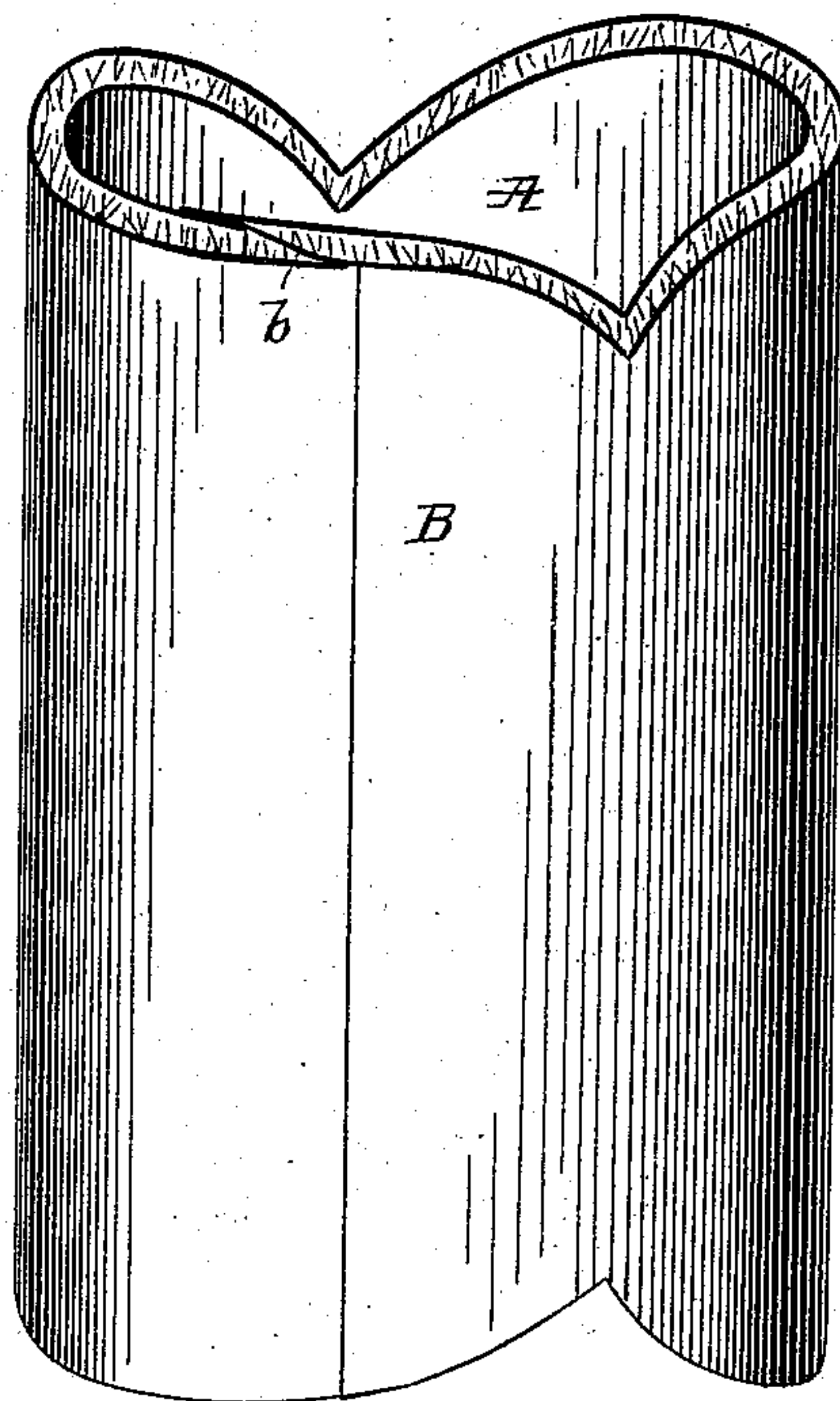
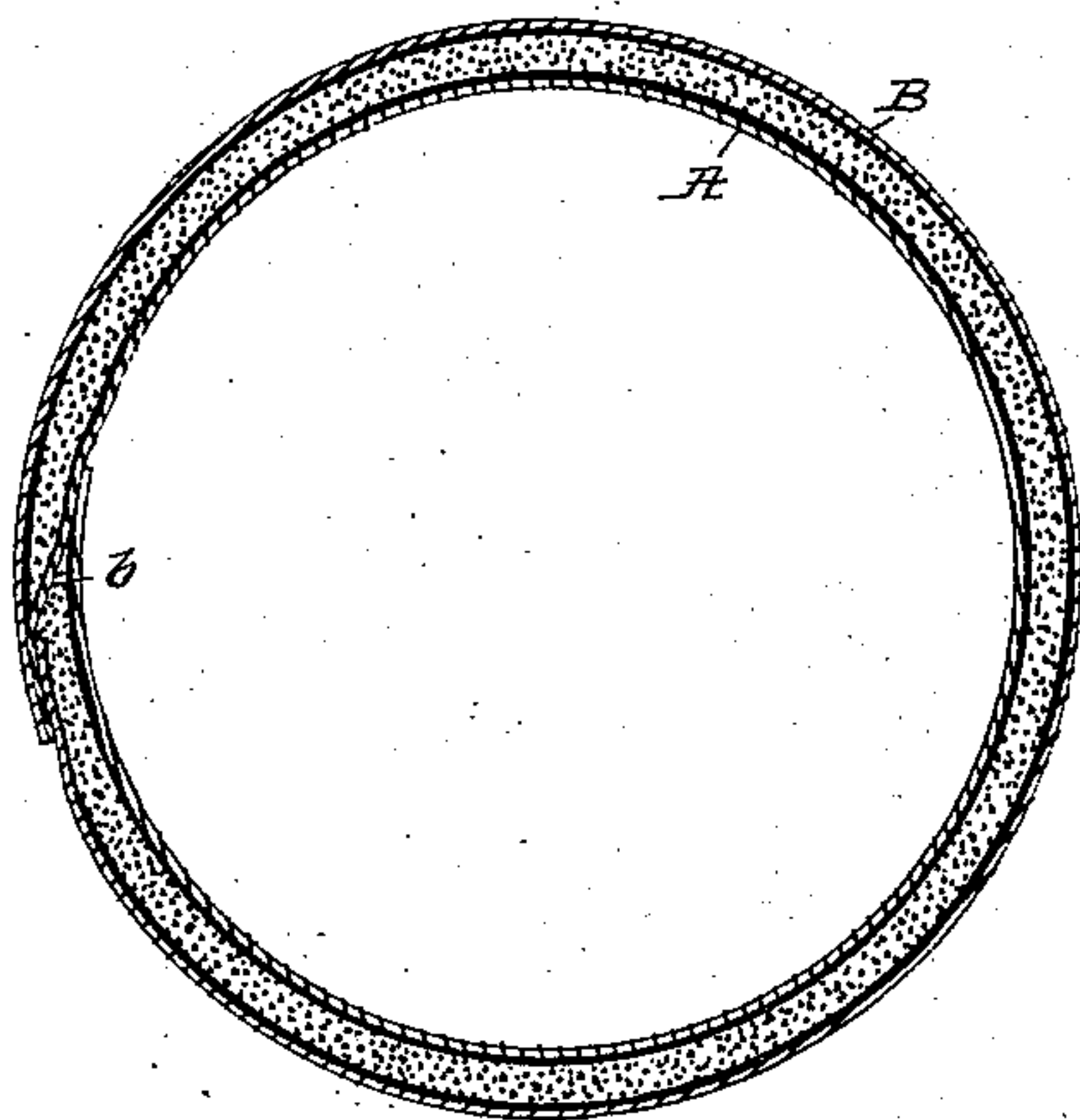


Fig. 3.



Witnesses.

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EDGAR J. STEWART, OF SHEBOYGAN, WISCONSIN.

PACKING FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 381,290, dated April 17, 1888.

Application filed November 10, 1887. Serial No. 254,799. (No model.)

To all whom it may concern:

Be it known that I, EDGAR J. STEWART, a citizen of the United States, residing at Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Devices for Packing Glass Bottles, &c.; 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.

This invention relates to wrappers or jackets for bottles and articles of kindred nature which are likely to be broken during transportation.

The object of the invention is to devise a wrapper which can chiefly be constructed by machinery and which will be simple and economical in cost. The wrapper or jacket will be made of various sizes and shapes and is intended to have the article to which it is to be applied slipped therein endwise.

The improvement consists in having two tubes of flexible material—the one arranged within the other—between which a packing material, as excelsior, is placed and held by an adhesive medium applied to the opposing sides of the tubes. The excelsior thus held between the tubes acts also to bind the two tubes together. The tubes are formed of any sheet material which is soft and pliable and cut of suitable size and shape. The edges of the sheet are overlapped and secured together by pasting, and the tubes, in addition to being held together by the packing and the adhesive material, as hereinbefore mentioned, are further secured together by extending the overlapping edge of one tube and pasting it to the other tube. This relieves the strain on the packing, which would yield when placing the wrapper over a bottle, particularly if the inner tube fitted the said bottle snugly. By having the edges of the sheets overlapped the tubes can be constructed quickly and will be very substantial, and by having the edge of one tube extended and secured to the other tube a positive connection is formed between the two tubes, which will effectually prevent any longitudinal movement of either. By having the

extended edge pasted in between the overlapping edges of the other tube the manufacture of the jackets is facilitated, because the edges, when gummed, are pressed together by a single operation and by one contrivance, whereas if the said edge were secured to any other part of the tube a separate device would be required to press it to place.

The improvement will be more fully hereinafter described, reference being had to the annexed drawings, in which—

Figure 1 is a perspective view of a bottle wrapper or jacket embodying my invention; Fig. 2, a perspective view of a modified form, and Fig. 3 a cross section on the line X X of Fig. 1.

The wrapper or jacket, composed of an inner tube, A, and an outer tube, B, of flexible material, has the space between the two tubes filled with soft packing C—such as excelsior. The packing is held between the tubes by a suitable adhesive medium applied to the opposing sides or walls of the tubes. The top and bottom edges of the jacket may be straight, as shown in Fig. 1, or scalloped, as shown in Fig. 2. The tubes are formed of soft flexible sheet material—such as paper or cloth—which is cut to the desired size and shape. The edges of the sheet are then brought together and overlapped and are fastened by pasting.

I do not restrict myself to the particular manner of forming these wrappers or jackets, as they may be made by different methods; but in practice I prefer to make them by machine, which gums the two sheets, places the packing between them evenly, forms the tubes the one over the other, and pastes the edges of the sheets together.

The edge of one of the tubes, as the edge *b*, is extended and pasted to the opposite tube to more firmly secure the two tubes together. To expedite the formation of the wrappers or jackets, the extended edge *b* is pasted in between the overlapping edges of the outer tube, B, as shown most clearly in Fig. 3.

It will be understood that the jacket or wrapper will adapt itself to the shape of the article to which it is applied, being soft and flexible.

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

1. The herein shown and described jacket

or wrapper, composed of an inner and an outer tube of flexible material, having the edges overlapped and secured together, the edge of one tube being extended and secured to the opposite tube, and the packing material placed between the two tubes, substantially as described.

2. A wrapper or jacket composed of an outer and an inner tube, each tube having overlapping edges, and the edge of one tube

being extended and secured between the overlapping edges of the other tube, and the packing placed between the two tubes, substantially as described, for the purpose specified.

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

EDGAR J. STEWART.

Witnesses:

A. C. PRESCOTT,
R. W. BILLETT.