

(No Model.)

E. SHERRING.

BOTTLE WRAPPER.

No. 368,978.

Patented Aug. 30, 1887.

Fig. 1 -

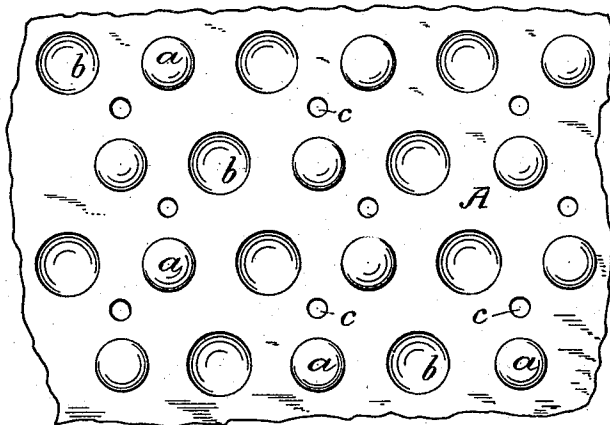


Fig. 2 -

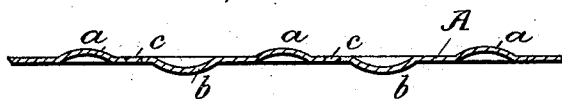
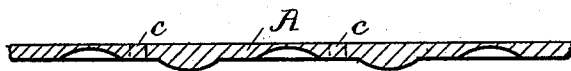


Fig. 3 -



Witnesses

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UNITED STATES PATENT OFFICE.

EDWIN SHERRING, OF MANCHESTER, COUNTY OF LANCASTER, ENGLAND.

BOTTLE-WRAPPER.

SPECIFICATION forming part of Letters Patent No. 368,978, dated August 30, 1887.

Application filed January 28, 1887. Serial No. 225,786. (No model.)

To all whom it may concern:

Be it known that I, EDWIN SHERRING, a citizen of Great Britain, residing at Manchester, in the county of Lancaster, England, have invented certain new and useful Improvements in Packing-Wrappers for Glass Bottles; and I hereby 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.

15 This invention relates to packing-wrappers for protecting glass bottles of all kinds, fruit and preserve jars, and all fragile goods from injury in shipment; also, for lining the inside of all kinds of packing-boxes.

20 This invention consists in the novel construction of the packing-wrappers, as herein-after fully described and claimed.

In the drawings, Figure 1 represents a piece of a packing-wrapper constructed according to this invention. Fig. 2 is a cross-section through the same. Fig. 3 is also a similar section through a piece of a modification constructed according to this invention.

30 A is a piece of the packing-wrapper, which is formed of paper, wood pulp, straw-board, or any other similar material. A series of circular concavo-convex projections, *a*, is pressed or rolled in the wrapper during the process of manufacture. These projections have their convex portions upon one side of the surface of the wrapper, and, being somewhat elastic, they preserve the object about which they are placed from injury. A second series of concavo-convex projections, *b*, of circular outline, is formed in the wrapper. These projections are similar to and alternate with the projections *a*, but have all their convex portions upon the opposite surface of the wrapper. A series of perforations, *c*, is also formed in the wrapper. These perforations

alternate with the projections before described. They serve to ventilate the contents of the wrappers, and are very useful when the wrappers are used for fruit or similar perishable substances.

The wrappers may be painted or varnished any color or style.

When desired to be water-proof, the wrappers are treated with a coat of soluble india-rubber or other similar material.

The wrappers are made antiseptic when desired by applying to their surface a solution of borax or other similar material.

As shown in Fig. 3, some of the concave parts of the wrapper are sometimes filled in with pulp, so that the convex projections and concave depressions only are formed, which are similar to those before described. This form of wrapper is used for large bottles or jars.

If desired, the wrappers may be backed or re-enforced with paper of any thickness to give them increased rigidity.

I do not confine myself to the circular form of projections or depressions, as the same can be made oval or elliptical.

What I claim is—

1. A packing-wrapper having a series of approximately circular convex projections upon one side and a similar alternating series of projections upon the opposite side.

2. A packing-wrapper having a series of approximately circular concavo-convex projections upon one side and a similar alternating series of projections upon the opposite side.

3. A packing-wrapper having a series of approximately circular concave depressions upon one side and a similar alternating series of depressions upon the opposite side.

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

EDWIN SHERRING.

Witnesses:

FREDK. ANYON,
WM. GEO. WILLOT.