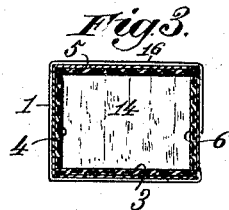
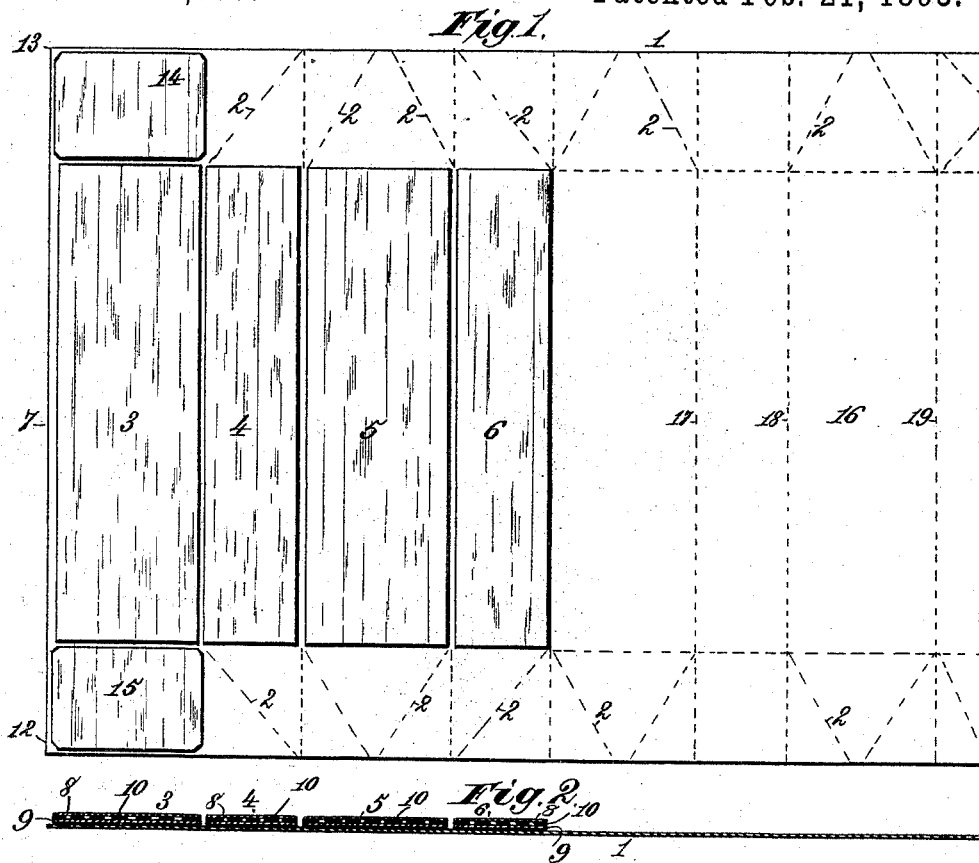


(No Model.)

A. H. MEECH.
BOTTLE WRAPPER.

No. 492,306.

Patented Feb. 21, 1893.



Witnesses.
Robert G. Pratt.
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Inventor:
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UNITED STATES PATENT OFFICE.

ALFRED H. MEECH, OF CHATHAM, NEW YORK.

BOTTLE-WRAPPER.

SPECIFICATION forming part of Letters Patent No. 492,306, dated February 21, 1893.

Application filed May 24, 1892. Serial No. 434,181. (No model.)

To all whom it may concern:

Be it known that I, ALFRED H. MEECH, a citizen of the United States, residing at Chatham, in the county of Columbia and State of New York, have invented new and useful Improvements in Bottle-Wrappers, of which the following is a specification.

This invention has for its object to provide a new and improved bottle wrapper which is flexible, pliable and elastic and possesses the characteristics of a cushion and is soft and sponge-like in nature for the purpose of safely transporting bottles and other fragile vessels or articles and excluding therefrom light, heat, cold, frost, dust and dirt.

To accomplish this object the invention consists essentially in a cushion bottle wrapper composed of a sheet of paper or other flexible material, and a series of imperforate packing sections cemented thereupon and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated from each other to constitute air cushion spaces, said wrapper being flexible and elastic and possessing a soft and sponge-like nature.

The invention also consists in a cushion bottle wrapper composed of a sheet of paper or other flexible material, a series of imperforate packing sections cemented thereto and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated from each other to constitute intervening air cushion spaces, and cover and bottom packing sections arranged at two corners of the sheet and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated to constitute intervening air spaces.

The invention also consists in a cushion bottle wrapper composed of a sheet of paper or other flexible material having creased portions at opposite longitudinal margins, a series of packing sections cemented to the sheet between the creased margins and each composed of two layers or sheets of felt paper containing between them a series of strips of felt paper separated to constitute intervening air spaces, and packing cover and bottom sections arranged at two corners of the sheet in alignment with the creased margins and

composed of soft and elastic material having a sponge-like nature.

The invention is illustrated by the accompanying drawings, in which—

Figure 1, is a plan view of a bottle wrapper constructed in accordance with my invention. Fig. 2, is a sectional view of the same, and Fig. 3, is a similar view showing a bottle wrapper folded or wrapped into shape to inclose a square bottle or other fragile vessel or article.

In order to enable those skilled in the art to make and use my invention I will now describe the same in detail, referring to the drawings wherein

The numeral 1 indicates a sheet of flexible material such as manila or felt paper which is formed along its longitudinal marginal portions with creased portions 2, to facilitate tucking or folding in the ends of the package as will hereinafter appear. The flexible paper sheet as here shown is rectangular in outline but it may be of any other form suitable for the conditions required, and to the inner surface of this sheet is cemented a series of packing sections 3, 4, 5 and 6, so disposed as to extend from at or near the center of the sheet to or near the edge or end portion 7 thereof. The packing sheets represented are alternately of different width for the purpose of producing a package which is somewhat oblong in form as in Fig. 3.

The packing sections are in the nature of cushions and are soft, flexible, elastic and sponge-like in nature. These sections are each composed of two layers or sheets 8 and 9, Fig. 2, of felt paper, containing between them a series of felt paper strips 10, separated from each other at their adjacent edges to provide intervening air cushion spaces. The adjacent edges of the packing sections are separated a suitable distance to permit folding the wrapper into square shape or of rolling it into cylindrical form if the article to be inclosed is of that shape. Obviously if a cylindrical body is to be inclosed within the wrapper, the packing sections will be of approximately uniform width.

The packing sections are cemented throughout their extent to the inner surface of the flexible sheet 1 at points between the creased marginal portions of such sheets.

In order to provide cover and bottom wall sections to the package I provide the corner portions 12 and 13 of the flexible sheet 1 with cover and bottom sections 14 and 15, each of which is composed of two layers or sheets of felt paper containing between them a series of felt paper strips separated from each other to provide intervening air cushion spaces substantially as described with reference to the packing sections 3, 4, 5 and 6.

In the practicable use of the wrapper the bottle or other fragile vessel or article is laid upon the packing section 3, the cover and bottom wall sections 14 and 15 are turned inward, and then the article is rolled up in the wrapper so that the latter assumes the position represented by Fig. 3. The flap portion 16 of the flexible sheet can then be cemented or tied around the package and to facilitate folding this flap portion it may be provided with creases 17, 18 and 19. The flap portion 16 being free from packing sections, is susceptible of receiving such advertisements or printed matter as may be desired and enables the package to be cemented or sealed up if essential. After the article has been rolled up in the wrapper in the manner explained, the creased longitudinal marginal portions of the sheet 1 are tucked or folded in upon the cover and wall sections 14 and 15 so that the bottle or other article is effectually inclosed.

The felt paper herein alluded to is composed of cotton and wool, the cotton strengthening the fabric and the wool materially aiding in excluding frost and cold and to render the packing sections sponge-like.

The outer flexible sheet 1, the packing sections 3, 4, 5 and 6, and the cover and bottom sections 14 and 15 are constructed imperforate throughout their extent for the special purpose of excluding light, heat, cold, frost, dust and dirt from the bottle contained in the wrapper, whereby it is possible to safely ship, transport or handle bottles containing substances or materials likely to be affected by light, heat, cold or frost.

The invention provides a very desirable bottle wrapper which is useful for shipping or transporting bottles and other fragile vessels or articles without danger of breaking, injuring or damaging the same while they are in transit on cars, vehicles or otherwise.

I do not herein broadly claim a cushion bottle wrapper composed of an imperforate sheet of flexible material having secured thereupon a series of imperforate felt paper strips arranged substantially parallel and slightly separated from each other to provide intervening air cushion spaces, said wrapper being flexible and elastic and possessing a soft and sponge-like nature, as such constitutes

the subject matter of an application filed by me of even date herewith, Serial No. 434,180.

Having thus described my invention, what I claim is—

1. A cushion bottle wrapper consisting of a sheet of flexible material, a series of packing sections of a length less than the width of the sheet and cemented throughout their extent thereto, each packing section being composed of two sheets of suitable material containing between them a series of flexible strips separated to provide intervening air spaces, and flexible cover and wall sections arranged at two corners of the flexible sheet, substantially as and for the purposes described.

2. A cushion bottle wrapper composed of a sheet of paper or other flexible material, a series of imperforate packing sections cemented thereto and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated from each other to constitute air cushion spaces, said wrapper being flexible and elastic and possessing a soft and sponge-like nature, substantially as described.

3. A cushion bottle wrapper composed of a sheet of paper or other flexible material, a series of imperforate packing sections cemented thereto and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated from each other to constitute intervening air cushion spaces, and cover and bottom packing sections arranged at two corners of the sheet and each composed of two layers or sheets of felt paper containing between them a series of parallel strips of felt paper separated to constitute intervening air spaces, substantially as described.

4. A cushion bottle wrapper composed of a sheet of paper or other flexible material having creased portions at opposite longitudinal margins, a series of packing sections cemented to the sheet between the creased margins and each composed of two layers or sheets of felt paper containing between them a series of strips of felt paper separated to constitute intervening air spaces, and packing cover and bottom sections arranged at two corners of the sheet in alignment with the creased margins and composed of soft and elastic material having a sponge-like nature, substantially as described.

In testimony whereof I have hereunto set my hand and affixed my seal in presence of two subscribing witnesses.

ALFRED H. MEECH. [L. S.]

Witnesses:

SANFORD W. SMITH,
WALLACE C. BEEBE.