No. 622,715. Patented Apr. 11, 1899.

J. C. SCHEUFLER.

BOTTLE WRAPPER.

(Application filed Nov. 1, 1898.)

(No Model.)

Fig. 5.

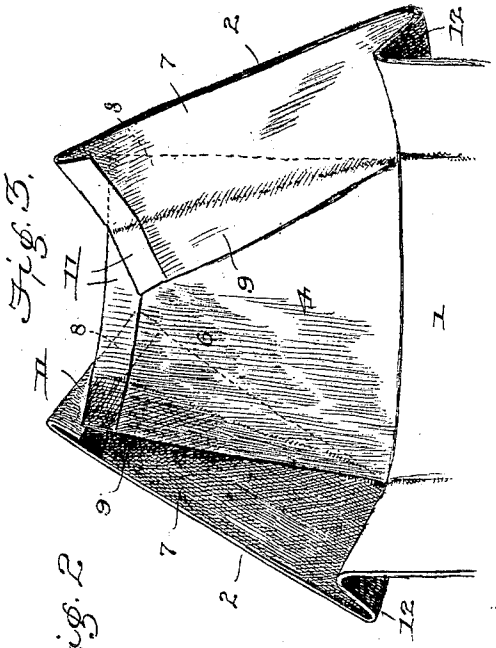


Fig. 6.

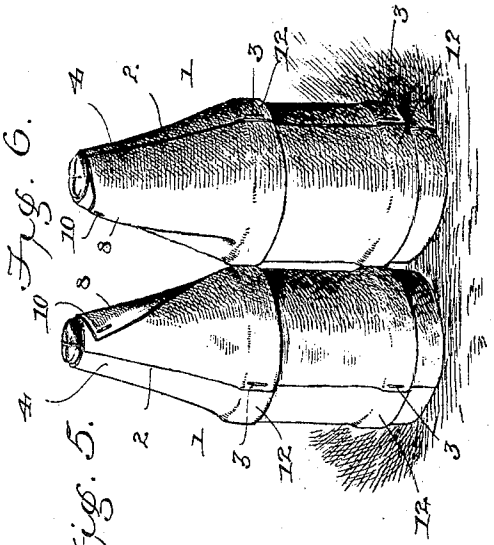


Fig. 2

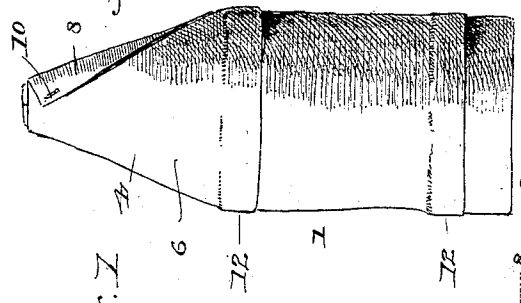


Fig. 5.

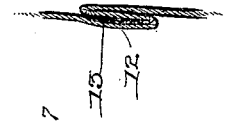


Fig. 4.

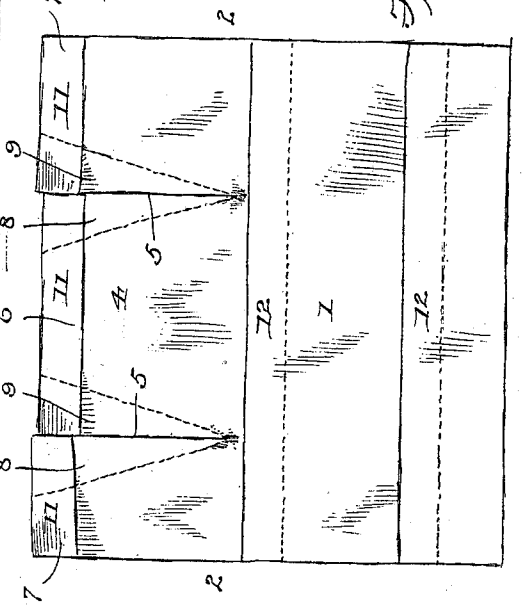
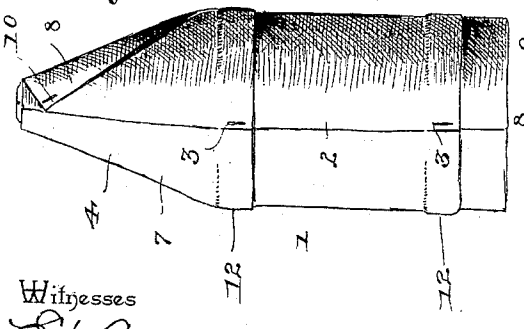


Fig. 7



Witnesses

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JOHN C. SCHEUFLER, OF SANDUSKY, OHIO.

BOTTLE-WRAPPER.

SPECIFICATION forming part of Letters Patent No. 622,715, dated April 11, 1899.

Application filed November 1, 1898. Serial No. 695,175. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. SCHEUFLER, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented a new and useful Bottle-Wrapper, of which the following is a specification.

This invention relates to bottle-wrappers; and it has for its object to provide a new and useful wrapper of this character constructed in a simple manner and with a view to completely covering the body and neck portion of the bottle and thoroughly protecting the same in the packing case or barrel.

To this end the invention primarily contemplates an improved construction of wrapper for bottles provided with cushion portions so formed and arranged as to provide an extra thickness of packing material between every adjacent bottle within a packing case or barrel, so as to thoroughly protect the same against breakage. By this means effective cushion-partitions are interposed between the glass surfaces of the bottles and entirely dispense with the necessity of wooden partitions, such as are commonly employed in beer or soda cases and the like, while at the same time overcoming the disadvantages to the various corrugated paper wrappers constructed with puffed-up portions in different relations to form cushion-partitions. The objection to paper wrappers of this character having corrugations is that the weight of the packed bottles will necessarily flatten out the corrugations and leave a thin unyielding double thickness of paper, which affords no substantial protection against breakage, especially with heavy goods.

Another object of the invention is to provide a bottle-wrapper having a conical neck portion so constructed as to provide a thorough and effective cushion-packing for this portion of the bottle.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts, hereinafter more fully described, illustrated, and claimed.

While the essential or characteristic features of the invention are necessarily susceptible to modification, still the preferred embodiment thereof is shown in the accompanying drawings, in which—

Figure 1 is a side view of a bottle-wrapper constructed in accordance with this invention. Fig. 2 is a similar view showing the opposite side of the wrapper. Fig. 3 is an interior perspective view of the neck portion of the wrapper, showing the relation of the folded flaps which afford a cushion and fastening for this part of the wrapper. Fig. 4 is a plan view of the wrapper sheet or blank. Fig. 5 is an enlarged detail cross-sectional view of one of the annular double folds of the sheet or blank. Fig. 6 is a detail view showing a pair of bottles arranged side by side to expose the relation of the annular cushion-bands of a pair of adjacent bottle-wrappers.

Referring to the accompanying drawings, the numeral 1 designates the wrapper sheet or blank, made of a single piece of soft stout packing-paper or of any equivalent flexible packing material that could be utilized to form a packing or wrapper for bottles. The wrapper sheet or blank is preferably formed of the common stout packing-paper and is cut in a rectangular shape, whereby the same can be readily folded upon itself longitudinally, so that the longitudinal side edges 2 thereof will overlap and may be secured together by staples 3 or similar fasteners passing through the lapped portions; but it will of course be understood that glue or any desirable fastening means may be utilized for holding the lapping edges of the sheet or blank together, thereby completing the body portion of the wrapper, so that the same will conform to the cylindrical shape of the bottle when placed thereover.

The main body portion of the wrapper is of a uniform width to correspond to the uniform width of the body portion of the bottle; but the neck portion 4 of the wrapper sheet or blank is of the usual conical shape to conform to the general outline of the reduced neck portion of the body, and in the present invention the conical neck portion of the wrapper is produced by providing the wrapper sheet or blank, at one end thereof, with a pair of spaced longitudinally-disposed slits 5, leading in a distance from one end of the

sheet or blank and separating the neck portion into the separate oppositely-arranged side members 6 and 7, respectively, the side members 7 of the neck portion being formed of the complementary parts at the outer sides of the slits 6 and which complementary parts are secured together by the lapped edges 2 of the sheet or blank.

Each of the separate side members 6 and 7 of the neck portion is provided at its edges with the triangular securing and surplus flaps 8 and 9, respectively, the surplus flaps 9 being folded inwardly against the inner sides of the wrapper sheet or blank and the securing-flaps 8 of the side members 6 and 7 being respectively folded around each other and carried, respectively, to positions at diametrically opposite sides of the neck portion and permanently secured at such points by staples 10 or any equivalent fastening means.

From the construction of neck portion described it will be obvious that this part of the wrapper will not only serve to impart strength to the entire device, but by reason of the inner and outer flaps 9 and 10, respectively, will form a number of thicknesses of material around the neck portion of the bottle, so as to thoroughly cushion the same and protect it from breakage, and in order to provide an effective cushion at the extreme top edge of the wrapper the wrapper sheet or body is provided at such point with an inturned annular cushion fold 11. While this fold is preferably turned inwardly, it will be understood that the same could be turned outwardly on the exterior of the wrapper and still form an annular cushion for the extreme top edge of the wrapper.

An important feature of the present invention is the provision of the outer wrapper with thickened cushion-surfaces at the point or points where it contacts with an adjacent wrapper or wrappers. To carry out this feature of the invention, the wrapper sheet or blank is provided at one or more points with a double continuous fold 12, extending transversely thereof to form an integral annular cushion-band, and within the layers of each fold 12 is preferably placed a continuous packing strip or reed 13, which may be made of any suitable soft material and serves to increase the pliability or cushion effect of the fold or band 12.

The bottle-wrapper is preferably provided with a pair of annular cushion-bands 12, spaced a distance apart and maintaining a parallel relation, and it will be observed that by reason of the double fold producing each band 12 the wrapper-body is made three-ply at such point, and as the bottles are designed to be packed within a case, so that the cushion-bands 12 of adjacent wrappers will come together, six plies or thicknesses of paper will necessarily be interposed between every two bottles in addition to the packing strips or reeds 13 within the folds of the bands 12. It will therefore be seen that bottles incased within wrappers constructed in accordance with the present invention may be tightly wedged and packed together in a case without danger of breakage. The relation of a pair of wrappers constructed in accordance with this invention and incasing a pair of bottles is shown in Fig. 6 of the drawings.

From the foregoing it is thought that the construction and many advantages of the herein-described bottle-wrapper will readily appear to those skilled in the art without further description, and it will be understood that any changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A bottle-wrapper having a neck portion provided at its top edge with an integral annular cushion, substantially as set forth.

2. A bottle-wrapper, having a neck portion provided at its top edge with an annular cushion-fold, substantially as set forth.

3. In a bottle-wrapper, the wrapper sheet or blank formed of a split neck portion having separate members each provided at its edges with oppositely-located triangular securing and surplus flaps respectively, the surplus flaps being folded inwardly, and the securing-flaps of the separate members embracing the exterior of the neck portion respectively at opposite sides thereof, substantially as set forth.

4. A bottle-wrapper having an integral annular fold forming an exterior cushion-band.

5. A bottle-wrapper having its body portion formed with a continuous annular fold.

6. A bottle-wrapper having its body portion formed with a double continuous fold forming an integral cushion portion, substantially as set forth.

7. A bottle-wrapper having its body portion formed with a double continuous fold extending annularly of the same, and a separate packing strip or reed arranged within the layers of such fold, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN C. SCHEUFLER.

Witnesses:
HERMAN N. CABLE,
GEO. A. BLACKFORD.