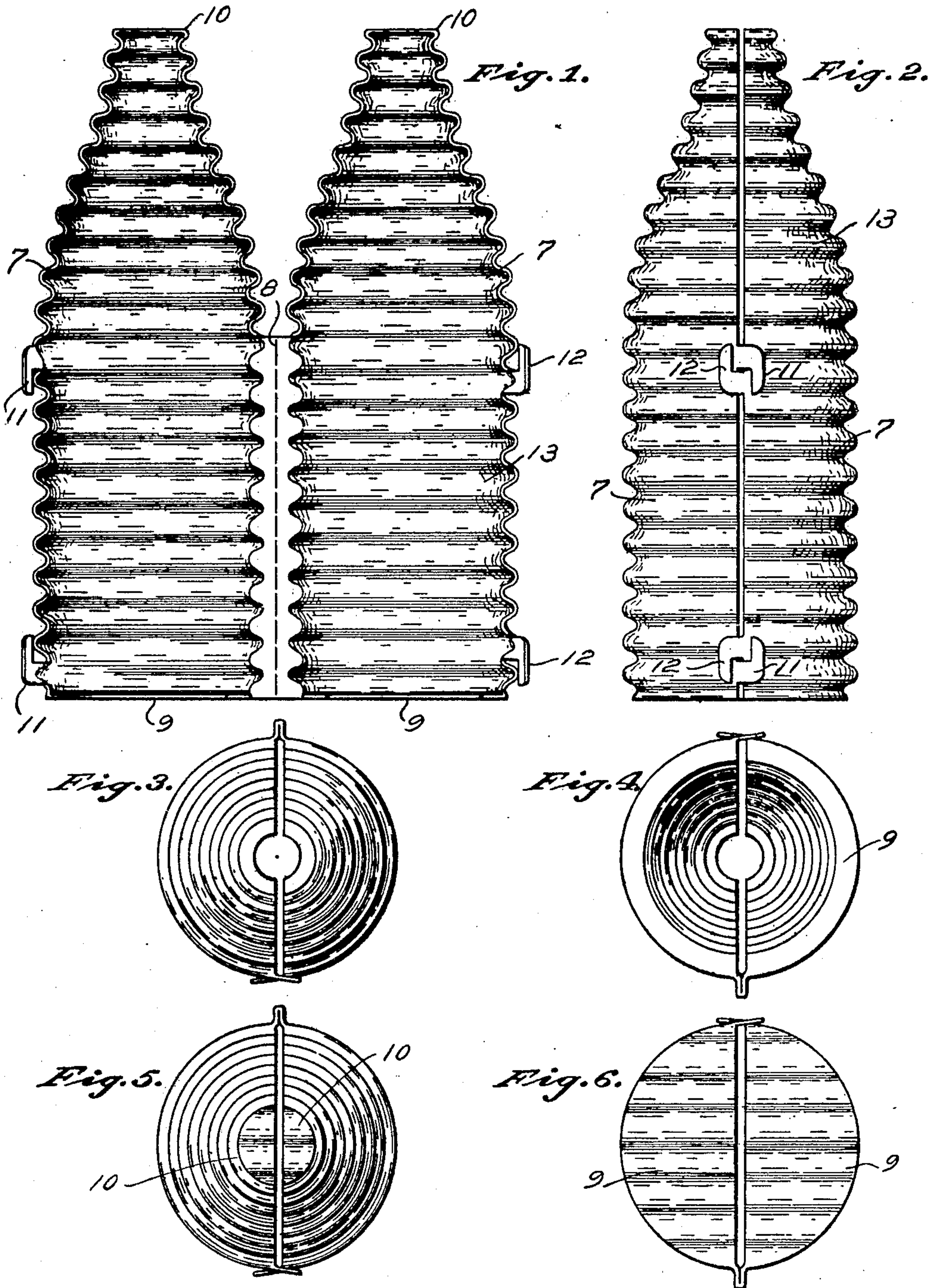


No. 876,365.

PATENTED JAN. 14, 1908.

W. D. LEGGE & L. N. WEIL.
BOTTLE WRAPPER.

APPLICATION FILED JULY 30, 1906.



Witnesses:
Harry F. Hamlin
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UNITED STATES PATENT OFFICE.

WILLIAM D. LEGGE AND LOUIS N. WEIL, OF CHICAGO, ILLINOIS, ASSIGNORS TO UNIVERSAL BOTTLE WRAPPER COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF SOUTH DAKOTA.

BOTTLE-WRAPPER.

No. 876,365.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed July 30, 1906. Serial No. 328,358.

To all whom it may concern:

Be it known that we, WILLIAM D. LEGGE and LOUIS N. WEIL, citizens of the United States of America, and residents of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Bottle-Wrappers, of which the following is a specification.

The main object of this invention is to provide an improved and inexpensive form of bottle wrapper which is adapted to be placed around a bottle for protecting the same from breakage, which is light in weight and strong and is adapted to remain in its closed position without the use of fastening means other than can be made directly from the material from which the wrapper is made and at a single operation.

We accomplish this object by the device shown in the accompanying drawings, in which:

Figure 1 is a view of a bottle wrapper constructed according to this invention, showing the same open in the form in which it is stored or shipped. Fig. 2 is an elevation showing the wrapper in its closed position as applied to a bottle. Fig. 3 is a top view of the same showing the flange for protecting the neck of the bottle. Fig. 4 is a bottom view showing the form of the bottom flange. Figs. 5 and 6 are views corresponding to Figs. 3 and 4 and show the top and bottom flanges modified so as to completely close the wrapper at the top and bottom.

In the form shown in the drawings, the wrapper consists of a sheet of paper, strawboard, or other suitable material embossed to form two halves 7 which are substantially semi-cylindrical throughout the greater part of their length and have conical portions at one end of the semi-cylindrical portions. These halves are connected together at one edge 8 of their cylindrical portions and are flanged inwardly at 9 and 10 to form a bottom and top for the wrapper. The strip 8 which connects the adjacent edges of the halves 7 is preferably perforated so that the wrapper may be readily bent along the line of perforations to cause the edges of the two

halves to register with each other. Each half is provided at its outer edge with a pair of hook-shaped ears 11 and 12. These ears are formed from the same material as the wrapper, and the ears at each side of the wrapper preferably face in opposite directions. Those on one half face away from each other, while those on the other half face toward each other. The lugs 11 and 12 are so placed as to interlock with each other for securing the wrapper in its closed position as shown in Fig. 2.

The cylindrical and conical surfaces of the wrapper are preferably reinforced by annular corrugations 13. In the modified form shown in Figs. 5 and 6, the flanges 9 and 10 are also corrugated to give stiffness to the ends of the wrapper. This wrapper is so formed that it may be readily pressed from a sheet of suitable material by means of embossing dies, the sheet being then trimmed by suitable dies to conform with the edges of the embossed part of the halves 7. The cutting dies are arranged to leave a hinge strip 8 between the halves 7 and form the ears 11 and 12 at the outer edges. The method of applying this form of wrapper to a bottle is as follows: The bottle is first laid into the cavity in one of the halves 7 and the other half is then closed down around the bottle, one side of the wrapper being sprung slightly to permit the ears 11 and 12 to pass into interlocking engagement with each other. The stiffness of the material of the wrapper holds the ears 11 and 12 into such interlocking engagement after having been sprung together, the end flanges protecting the bottom and neck of the bottle. The annular corrugations 13 prevent the material of the wrapper from buckling along lines disposed longitudinally of the bottle, and the general curvature of the cylindrical and conical portions of the halves 7 prevents buckling in the direction of the corrugations 13.

What I claim as my invention and desire to secure by Letters Patent is:

A bottle wrapper, comprising two similar parts, having corrugated side-walls formed to surround a bottle, said walls being provided with integral flanges extending inwardly at

one end of the wrapper to protect the corresponding end of the bottle, each of said parts being provided upon one edge with a pair of oppositely directed hook-like ears adapted to
5 be interlocked for holding together the parts of the wrapper at one side, said parts being joined together at the opposite side.

Signed at Chicago this 10th day of February 1906.

WILLIAM D. LEGGE.
LOUIS N. WEIL.

Witnesses:

W. O. ROBINSON,
E. A. RUMMLER.