No. 635,143. Patented Oct. 17, 1899.

C. F. MOFFITT.

WRAPPER FOR GLASS CHIMNEYS, BOTTLES, &c.

(Application filed Jan. 9, 1899.)

(No Model.)

Fig. 1.

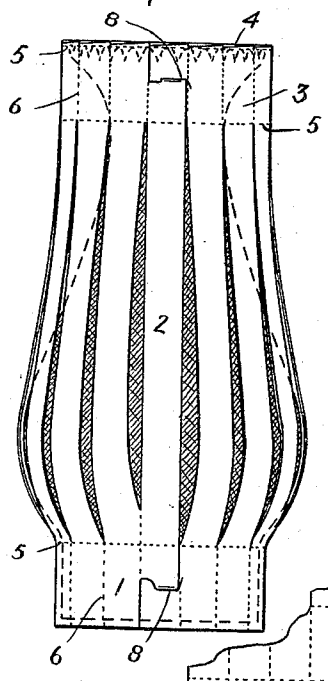


Fig. 2.

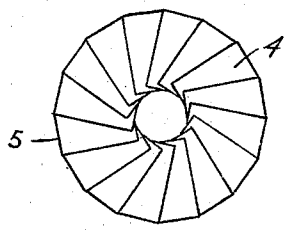
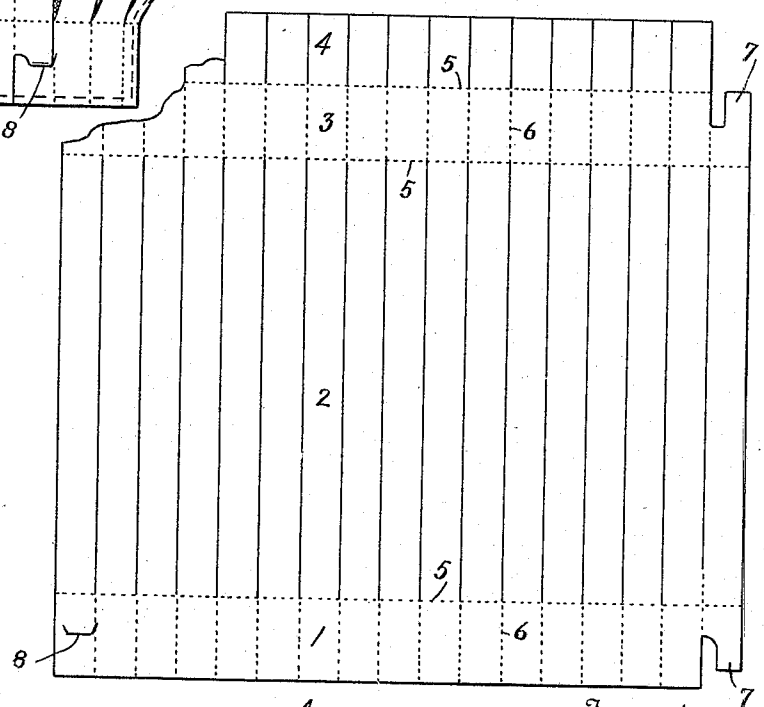


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES F. MOFFITT, OF INDIANAPOLIS, INDIANA.

WRAPPER FOR GLASS CHIMNEYS, BOTTLES, &c.

SPECIFICATION forming part of Letters Patent No. 635,143, dated October 17, 1899.

Application filed January 9, 1899. Serial No. 701,637. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. MOFFITT, of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Wrapper for Glass Chimneys, Bottles, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like numerals refer to like parts.

My invention relates to a wrapper for glass chimneys, bottles, and similar glass or other articles which bulge or are enlarged in some part of their contour. This bulge or enlargement may be situated between the ends, as in glass chimneys or globes for arc lamps, or it may be at one end, as in case of a bottle, or it may be at each end, as in articles shaped somewhat like an hour-glass.

The purpose of this invention is to provide a cheap economical wrapper, of paper or boxboard, which will protect the bulged or enlarged portion of the glass article and yet will fit around the small portion of the article reasonably snug. In this way the article can be safely packed, and where they are formed like bottles or glass chimneys in packing much room is saved by placing the bulge of one of the articles against the contracted or small portion of the adjoining articles. This matter of packing is probably the most beneficent result of my invention, as it greatly economizes space and at the same time makes the articles fit closer together to prevent breakage. The advantage of such kind of packing over hay, asbestos, &c., is apparent without my here pointing it out.

I here show the invention used for wrapping a lamp-chimney; but this is merely for the purpose of illustrating it, as the same can be used for wrapping other glass articles, as above mentioned.

The full nature of my invention will more fully appear from the accompanying drawings and the description and claims following.

In the drawings, Figure 1 is an elevation of a lamp-chimney in my wrapper. Fig. 2 is a plan of the top of Fig. 1. Fig. 3 is a plan of the wrapper lying flat as cut out and scored, one corner, however, being torn away.

The invention consists, essentially, in slitting one portion of the wrapper to make the wrapper better conform to the shape of the article to be packed. Where such article is a lamp-chimney, the wrapper is prepared as shown in Fig. 3. There is a lower unslitted portion 1 to surround snugly the lower part of the chimney, a central or slitted portion 2 to surround the bulge of the chimney, an upper unslitted portion 3 to surround the top or small part of the chimney, and a slitted portion 4 to form tips that fold down over the top of the chimney to protect the pearl edge or otherwise delicate construction of the top.

The portion 2 in this form is slitted longitudinally of the object to be wrapped, there being as many slits as is desired and as will enable the wrapper to spread about the enlarged portion of the chimney, as shown in Fig. 1. The upper portion 4 is slitted also in the same direction to enable the tips thus formed to be turned in, as shown in Fig. 2, to protect the top. These portions 1, 2, 3, and 4 are separated, preferably, by horizontal or cross scores 5, as shown, to enable the material of the wrapper to be bent at those points, as seen in Fig. 1. The strips of the central portion 2 bulge out, causing a bend between them and the lower vertical portion 1, and also the tips in the part 4 are bent at a right angle to the part 3. The wrapper is also provided with vertical scores 6. These cross the unslitted parts 1 and 3 and are in line with the slits to enable the wrapper to be readily bent about a round article without breaking the wrapper at the place of bending. The scores also prevent the stock or wrappers in handling before being put about articles from cracking or breaking.

After the article has been made, as has been described, it is provided with means for securing the two sides together when wrapped about the article to be packed. While any means may be employed for securing the sides, I preferably cut out the means in the wrapper itself. For example, in Fig. 3 I show the tongues 7, that are adapted to enter the slots 8, there being only one of these slots shown, the one in the upper left-hand corner being broken away, but being similar to the one shown in the lower left-hand corner. In actual use a permanent means for securing the upper part may be employed, as the article

can be inserted in the lower end; but the form shown is preferable because the article can be shipped or handled flat.

From this description it is seen that the slitted portion of the wrapper protects the bulged portion or enlargement and is adjustable to varying diameters, the strips spreading more or less, as shown; but the wrapper should be of such dimensions as to prevent them spreading so far as to expose the article between the strips of the wrapper, so as to contact with adjoining articles. Where a portion of such article is small and another portion large, with this wrapper they can be reversed alternately in packing, placing the enlarged portion of one of the articles against the small portion of the adjoining one. A smaller piece of box-board will in this way wrap an article than when it is not slitted.

When the article to be wrapped is of a different shape from the chimney herein shown, the relative positions of the parts described are varied to suit such difference in shape. For example, if a plain stock-bottle is to be wrapped the wrapper would be provided with an unslitted portion to surround the larger part of the bottle and a slitted portion to surround the neck of the bottle. If an hour-glass-shaped article is to be wrapped, the slitted portion of the wrapper surrounds the small part, while unslitted portions are left at both ends to surround the large ends of the article.

From this it is seen that my wrapper is very economical, simple, and convenient, and conforms to the contour of the article, so as to better protect and permit closer packing.

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

1. A wrapper for lamp-chimneys, bottles, &c., consisting of a piece of cardboard or similar material provided with a series of parallel longitudinal slits between its ends leaving an unslitted portion at each end to surround the small parts of the article to be wrapped, the unslitted portions being scored in line with the slits, and means for securing together the sides of the unslitted portions at both ends of the wrapper.

2. A wrapper for lamp-chimneys, bottles, &c., comprising a piece of cardboard provided with a series of parallel longitudinal slits between its ends leaving an unslitted portion at each end of said slitted portion, cross-scores between the slitted and unslitted portions, the unslitted portions being also scored in line with the slits, one end of the wrapper being provided with short slits to leave tips to be folded down over the article to be packed, and means for securing together the sides of both unslitted portions.

In witness whereof I have hereunto affixed my signature in the presence of the witnesses herein named.

CHARLES F. MOFFITT.

Witnesses:
M. C. BUCK,
V. H. LOCKWOOD.