

O. LONG.
Packings for Bottles.

No.154,498.

Patented Aug. 25, 1874.

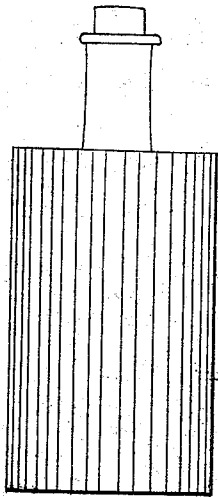


Fig 1

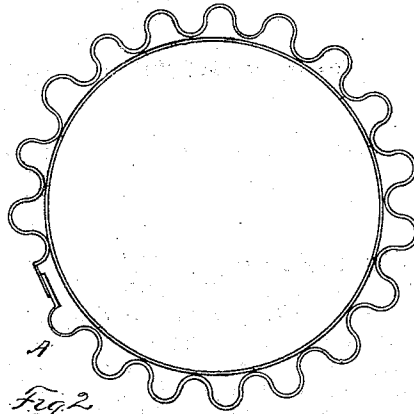
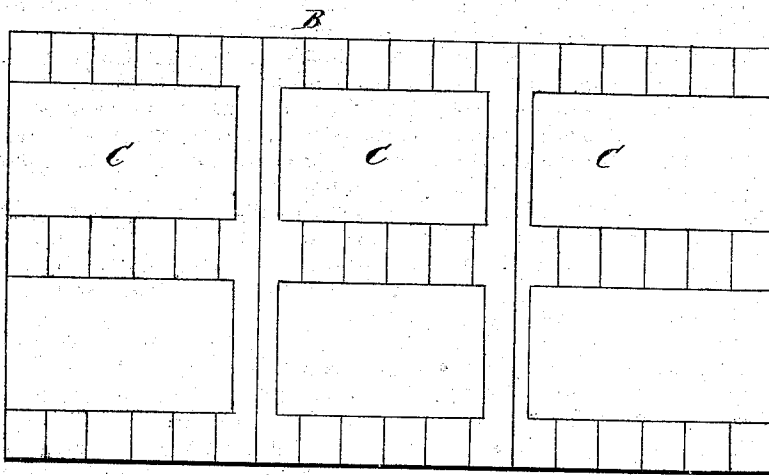


Fig. 2

Fig. 3



Witnesses
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IMPROVEMENT IN PACKING FOR BOTTLES, &c.

Specification forming part of Letters Patent No. **154,498**, dated August 25, 1874; application filed June 15, 1874.

To all whom it may concern:

Be it known that I, OLIVER LONG, of New York, in the county of New York and State of New York, have invented a certain new and useful Packing for Bottles, &c.; and I do 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a side view of my improved packing applied to a bottle. Fig. 2 is a top view of an envelope. Fig. 3 is a side view of a pad or open envelope.

The object of this invention is to provide a novel packing for bottles, glassware, china, and other fragile articles, which may be easily and cheaply made, and which will be safe, effective, easily applied, and durable. This invention, then, consists in the production, as a new article of manufacture, of a packing made of sheets of paper, or other equivalent material, fluted, crimped, or embossed to give it body and elasticity, and formed into envelopes, pads, or cells, according to its method of application, as hereinafter more fully set forth.

For the purposes of my invention, I take paper of any suitable quality, and first size it on one side, allow the sizing to dry, and then dampen the other side with water and pass it through the fluting-machine, previously heated. I then pass it over a heated surface, such as a steam or gas heated table or cylinder, which contracts the flutings, giving them stiffness and greater strength, and rendering them permanently elastic. I next, according to requirements, paste, glue, or otherwise attach to the fluted paper, strips of sheets of plain paper on one or both sides. After all is dry I cut the packing material into the required lengths for envelopes, pads, cells, or other forms of packing.

The strips of plain paper do not constitute an essential feature of my invention; but, although in some cases of advantage, it may be dispensed with.

In forming envelopes for bottles, I unite the edges of the fluted paper by eyelets, or by adhesive materials, and in some cases apply a bottom pad to the same paper.

For clarets, &c., I intend that the packing shall surround the neck of the bottles, and suggest the propriety of arranging around the inside of the case strips or pads to protect the shoulders of the bottles.

For pads, I cut up the completed paper in lengths according to the size of the bottles or articles, and so arrange them as to protect the articles from each other, and preserve them from contact with the sides, top, and bottom of the package or casing.

In the accompanying drawings illustrating my invention, A designates a bottle-envelope; B, a sheet or pad of fluted paper, and C the strips of plain paper, which are sometimes applied to prevent the fluting from flattening or expanding.

Where breakage or leakage is to be greatly apprehended, or where otherwise the packing is liable to exposure or moisture, the waterproof paper may, to great advantage, be employed.

I do not claim, broadly, the invention of fluted paper; but

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

As a new article of manufacture, a packing for bottles and other fragile articles made of fluted, crimped, or embossed paper, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of June, 1874.

OLIVER LONG.

Witnesses:

G. F. SCHMIDT,
J. HARRISON.