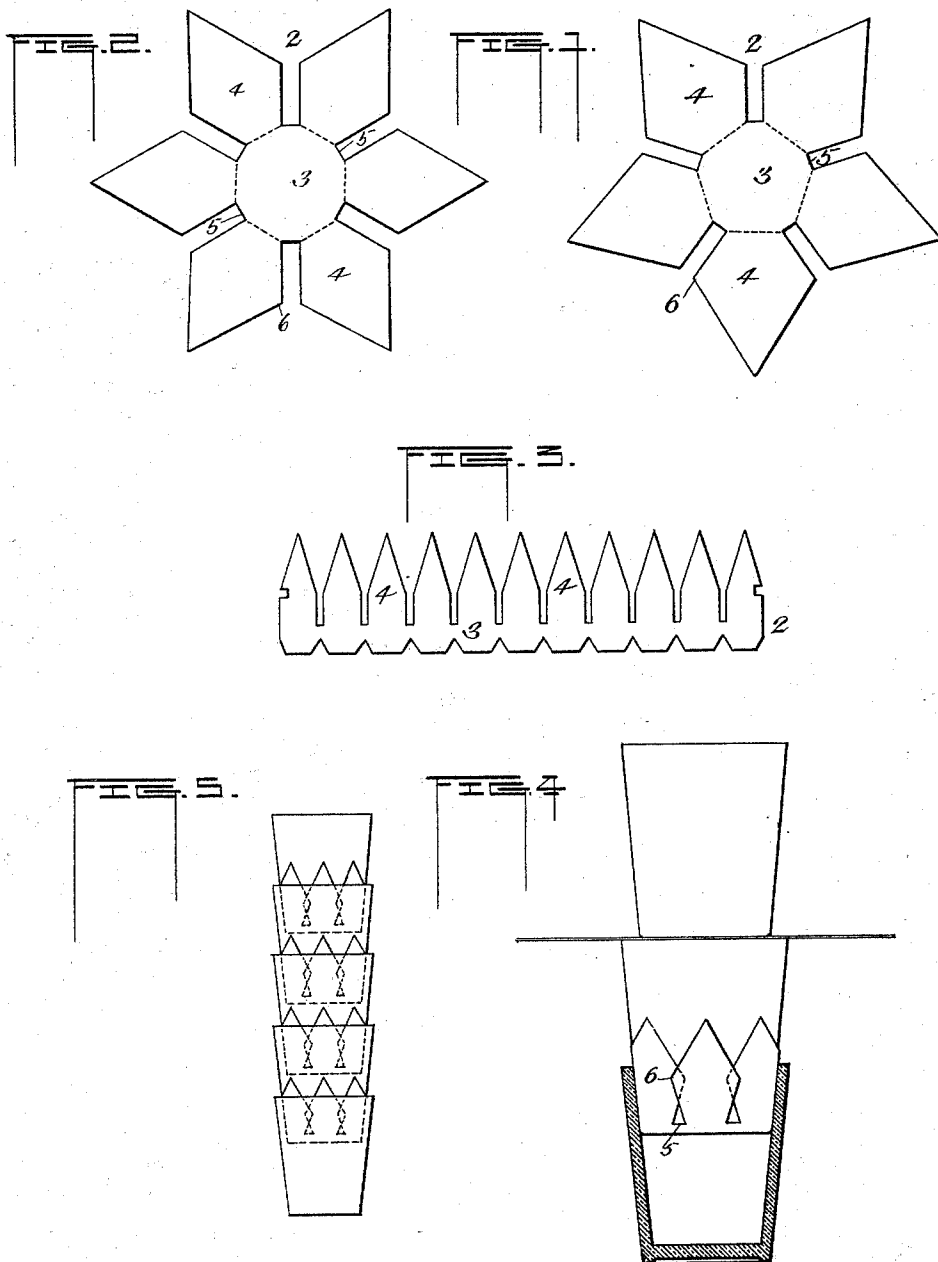


(No Model.)

C. RUNYON.
PACKING GLASSWARE FOR SHIPMENT.

No. 485,985.

Patented Nov. 8, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES RUNYON, OF ROCHESTER, PENNSYLVANIA.

PACKING GLASSWARE FOR SHIPMENT.

SPECIFICATION forming part of Letters Patent No. 485,985, dated November 8, 1892.

Application filed February 25, 1892. Serial No. 422,820. (No model.)

To all whom it may concern:

Be it known that I, CHARLES RUNYON, of Rochester, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Packing Glassware for Shipment, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of one of my improved wrappers. Figs. 2 and 3 are similar views of modified forms of the same. Fig. 4 shows the manner of nesting tumblers in accordance with my invention; and Fig. 5 is a side view of a series of nested tumblers ready for packing.

Like symbols of reference indicate like parts in each.

In the drawings, 2 indicates the improved wrapper, consisting of a base portion 3 and a series of rays or tapering tongues 4, extending therefrom. In Fig. 1 the wrapper takes the form of a five-rayed star, while in Fig. 2 a six-rayed star is illustrated. In Fig. 3 the wrapper takes the form of a strip or band having the rays projecting from one edge thereof. These wrappers may be made of many materials—such as paper, strawboard, or thin paper covered with other substances of an elastic or compressible nature. It will be noticed that indentations or recesses 5 are provided between the adjacent edges of the rays where they join the base. The purpose of this is to provide angular portions 6 on each edge of the stars, which will lap past each other when wrapped about the article and thicken the wrapper at the base of the rays, and also prevent wrinkling and crumpling of the bases.

The wrappers are especially adapted for use in packing tumblers, though capable of use with other articles, the base portion of the forms of Figs. 1 and 2 being made of about the same size as the base of the article to be packed. The manner of nesting tumblers is shown in Fig. 4, the flat wrapper being in a substantially-central position over the tumbler and the tumbler being placed thereon and depressed into the one beneath.

By this operation the wrapper automatically adjusts itself to the inner surface of the lower glass, and the rays slide past each other near their lower ends and form a double thickness where they lap over. This is a most essential part of my invention, the material being so cut and arranged that the wrapper is thicker at the lower portions of its sides when in place, the rays tapering and growing narrower at their upper ends, in order that the entire bursting strain caused by the weight of a stack of tumblers may be applied to the sides of the tumbler at some distance from the upper edge. In this way a considerable percentage of the breakage is done away with, there being no strain upon the edge of the tumbler, which possesses small resisting power.

The advantages of my construction are apparent. The packing is greatly facilitated and quickened and the breakage is largely obviated, while the wrapper is cheap and easily applied.

Many variations may be made in the form of the wrapper and its materials without departing from my invention.

What I claim is—

1. A wrapper for tumblers or similar articles, comprising a base portion having strips projecting therefrom, the lower portions of the sides of the wrapper being thicker than their upper portions when in place about the article, whereby the strain is removed from the edge of the tumbler, substantially as and for the purposes described.

2. A wrapper for glassware, consisting of a base portion having a series of strips projecting therefrom, the lower portions of said strips being arranged to overlap each other when in place about the article, substantially as and for the purposes described.

3. A wrapper for glassware, consisting of a base portion having a series of tapering strips radiating therefrom, said strips being arranged to overlap each other near their bases when the wrapper is about the article, substantially as and for the purposes described.

4. A wrapper for glassware, consisting of

a base portion having a series of tapering strips projecting therefrom, the lower portions of said strips being indented or partially cut away, substantially as and for the purposes described.

5 In testimony that I claim the foregoing as my invention I have signed my name, in pres-

ence of two witnesses, this 23d day of January, 1892.

CHAS. RUNYON.

Witnesses:

CHAS. W. HURST,
SAML. K. SCHARLOTT.