Aug. 17, 1937. I. WALDVOGEL 2,090,435

PACKING DEVICE

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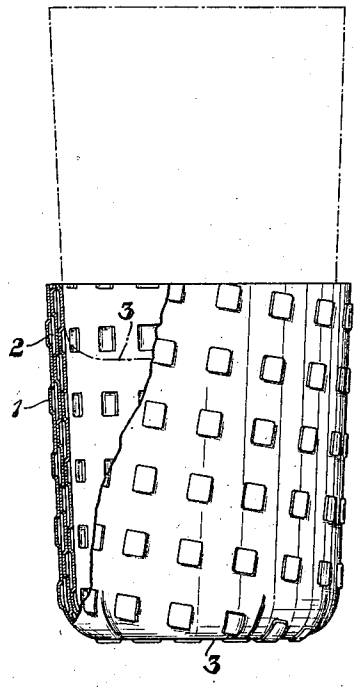

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PACKING DEVICE

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2 Claims. (Cl. 229—3.5)

The present invention relates to a packing device, particularly for piece goods of all kinds, which should be protected from mechanical and atmospheric influences. The packing device according to the invention consists of a cup-shaped body which is formed of two or more coils of paper or cardboard provided with embossed projections. The shape of the cup is preferably that of a truncated cone, and the bottom is formed in any desired manner. An essential characteristic of the packing device is that in the production of the coil the embossed parts of the coiled layers rest against the non-embossed parts, so that between the coiled layers there is produced a multi-cellular hollow space which imparts to the packing device a high degree of elasticity and insulating capacity which manifests itself in a high capacity for resisting mechanical and atmospheric influences.

An example of construction of the packing device is shown in the annexed drawing.

As a material for making the packing device there may be used paper or cardboard provided with embossed projections from which is formed a cup-like body which is in the form of a truncated cone made of two or more layers which are attached to one another by means of an adhesive.

The embossed projections 1 of the paper layer rest against the non-embossed parts thereof, so that between the coiled layers there is formed a hollow space subdivided into chambers 2 which imparts elasticity and insulating properties to the packing container.

The bottom of the cup is formed, for example by a bent part which is divided, by incisions, into a plurality of flaps which are bent successively over a former, and their sharp edges are attached one above the other by means of an adhesive.

The packing container is placed into practical use in that the cup-like body filled with piece goods is closed by another cup placed therein (see drawing), and in this manner a column-like packing, which is capable of being handled without danger to the packed goods is produced in simple manner. The elasticity inseparably associated with the packing device renders it possible for the depth of insertion of the closing cup in each particular case to be adapted to the dimensions of the piece goods to be enclosed. The piece goods in the last cup of such a pile are enclosed by turning the rim of the cup inwards.

Having thus described the nature of the said invention and the best means I know of carrying the same into practical effect, I claim:—

1. A packing device comprising a cup-like body of paper or cardboard consisting of a plurality of coiled layers of paper in which the paper is provided with embossed projections to form with the layers small multi-cellular hollow spaces between such layers, each projection being formed as a convex surface on one side of the paper and as a concave surface on the other side, and each space being entirely formed by a pair of embossed projections in two adjacent layers by two concave surfaces.

2. A packing device comprising a cup-like body of paper or cardboard consisting of a plurality of coiled layers of paper in which the paper is provided with embossed projections, each embossed projection of the paper resting against an unembossed part of the adjacent layer of paper to form small multi-cellular hollow spaces between the layers, each projection being formed as a convex surface on one side of the paper and as a concave surface on the other side, and each space being entirely formed by a pair of embossed projections in two adjacent layers by two concave surfaces.

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