March 24, 1931. P. R. SIMMONS 1,797,373

METAL LEG AND TIE STRAP FOR CONTAINERS

Filed March 11, 1929

FIG. 1

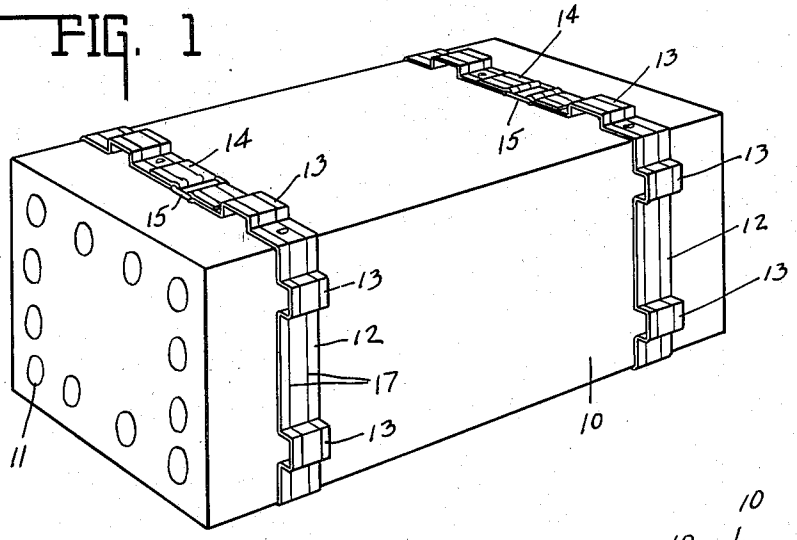
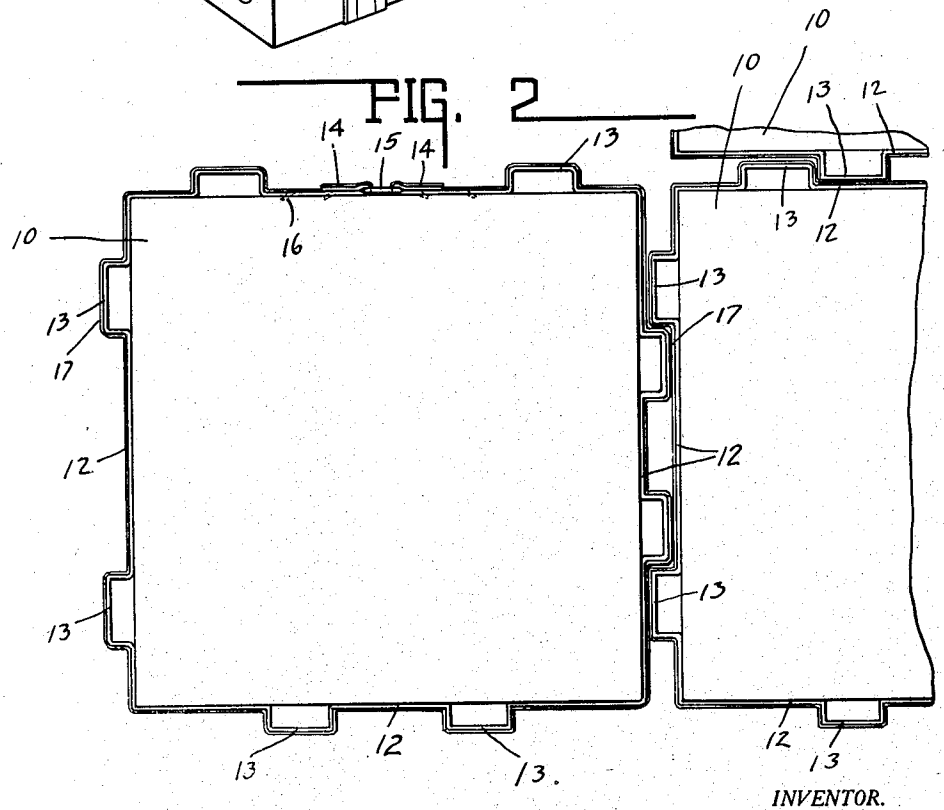


FIG. 2



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METAL LEG AND TIE STRAP FOR CONTAINERS

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This invention relates to a container encircling band provided with offsets for spacing the container from a support and other containers.

The chief object of this invention is to provide a relatively cheap but satisfactory spacer construction for containers which must be provided with ventilation such as chick boxes and containers or similar perishable goods.

The chief feature of the invention consists in providing a peripherally enveloping band for a container with a plurality of offsets for spacing the container from its support and the adjacent surrounding containers.

Another feature of the invention consists in providing the band with portions which prevent the band from slipping from the container when mounted thereon.

The full nature of the invention will be understood from the accompanying drawings and the following description and claims:

In the drawings, Fig. 1 is a perspective view of a ventilated carton suitable for shipping chicks or small live poultry and the like and provided with the invention. Fig. 2 is an end view of the same and a pair of adjacent cartons.

In the drawings, 10 indicates a carton or container in which there is provided a plurality of perforations or knock-outs 11. These provide ventilation to the interior of the container, rendering the container suitable for the shipping of chicks and other small fowl and animals. In making shipments of this character from a hatchery, frequently a considerable collection of cartons are handled in one shipment and these are usually stacked one upon the other and side by side. To prevent suffocation, it is, therefore, necessary to provide suitable spacers or a spacing construction so that the several containers will not immediately abut each other.

The present invention provides a double function. First, it serves as a band for securely holding the cover and base of the carton in container-forming position and second, it provides a spacing construction for maintaining the carton in spaced relation with adjacent cartons and prevents immediate abuttable engagement therewith.

Peripherally enveloping the carton 10 is a metal strap 12 which throughout its length is provided with a plurality of offsets 13, in spaced relation. These offsets constitute legs, feet or spacers, as the case may be and the band is so fashioned or provided with these spacers so that preferably not less than two offsets in spaced relation are provided upon each side of the carton. Herein two bands are illustrated, each positioned near the end of the carton and substantially enveloping the same as before mentioned. The ends of the band are each turned back as at 14 upon the adjacent portion of the band. Connecting the turned or reversely bent ends is a rectangular loop 15.

To prevent lateral displacement of the band relative to the box or container, there is struck from the band a suitable number of barbs 16 which are adapted to be driven into the box or container and thus anchor the band against the aforesaid lateral displacement.

To permit the employment of relatively light stock or strap metal which will, under reasonable loads, retain the offsets in the desired position and prevent collapsing or crushing thereof; the band may be corrugated longitudinally in one or more places as indicated at 17. While the offsets are shown substantially channel shaped they may be of other formation, reference being had to the cross-section or side elevation.

The invention claimed is:

1. A relatively rigid band of metal for peripherally enveloping a polygonal carton and having substantially the same width throughout its length including a plurality of substantially U-shaped offsets arranged in spaced relation, a plurality of said offsets projecting laterally from each face of the container, and a longitudinal corrugation coextensive with the band and extending through the offsets for reinforcing the band and offsets.

2. A device as defined by claim 1, characterized by said band intermediate the off-

sets including an integral and inwardly directed barb for container anchorage and band retention.

3. A device as defined by claim 1 characterized by the offsets, each having a width in transverse section substantially equal to the width of the band.

4. In combination a plurality of juxtapositioned cartons each including a peripherally enveloping carton securing band, the band of one carton including offsets engageable by another of the cartons for spacing said cartons, the offsets in the adjacent bands of adjacent cartons being complementarily arranged whereby the juxtapositioned adjacent cartons may be accurately aligned with each other without partial staggering when the bands are aligned.

In witness whereof, I have hereunto affixed my signature.

PAUL R. SIMMONS.