I. V. BOWLEY.

EGG CARRIER.

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1,167,263.

Patented Jan. 4, 1916.

Fig. 1.

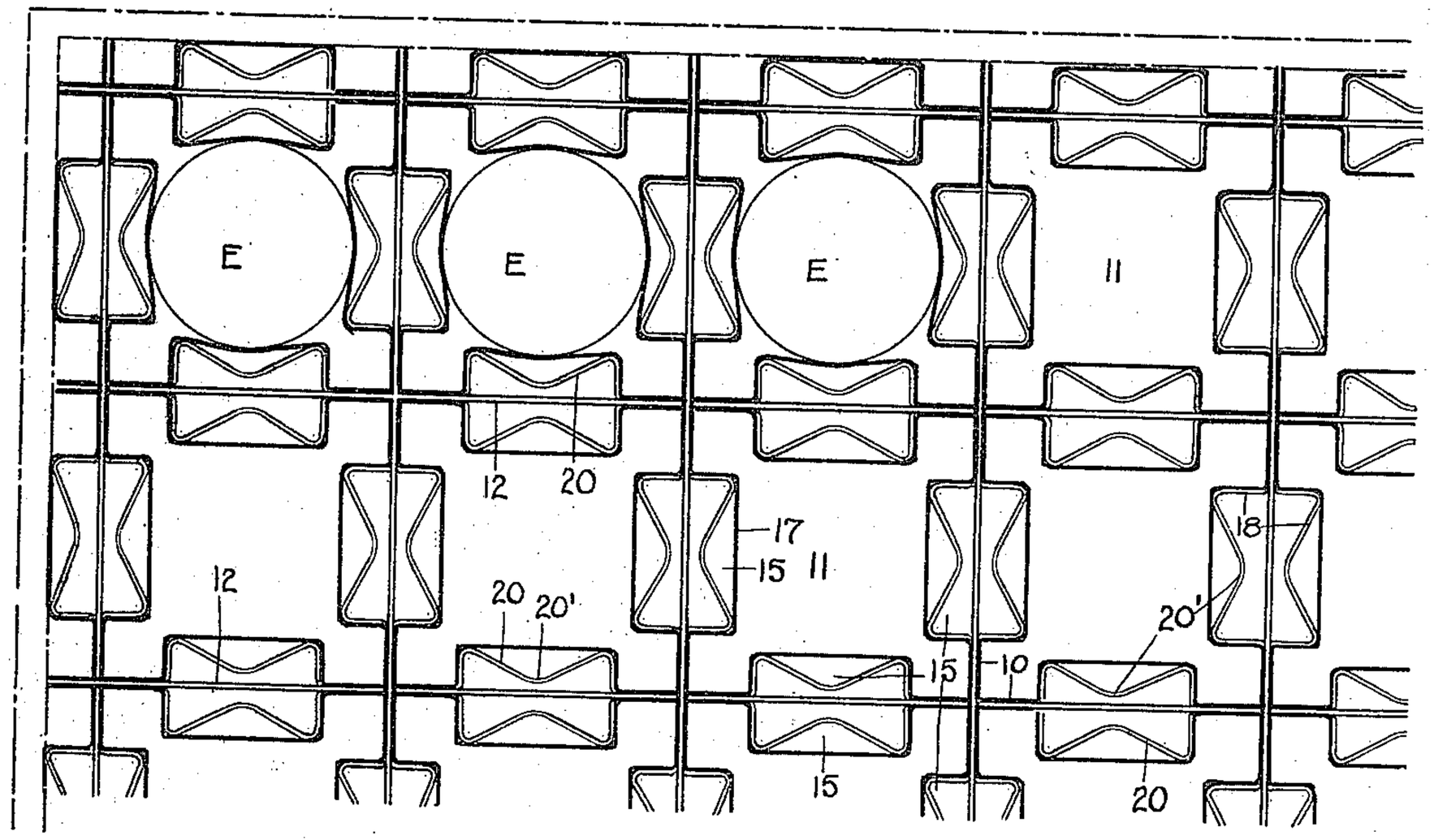
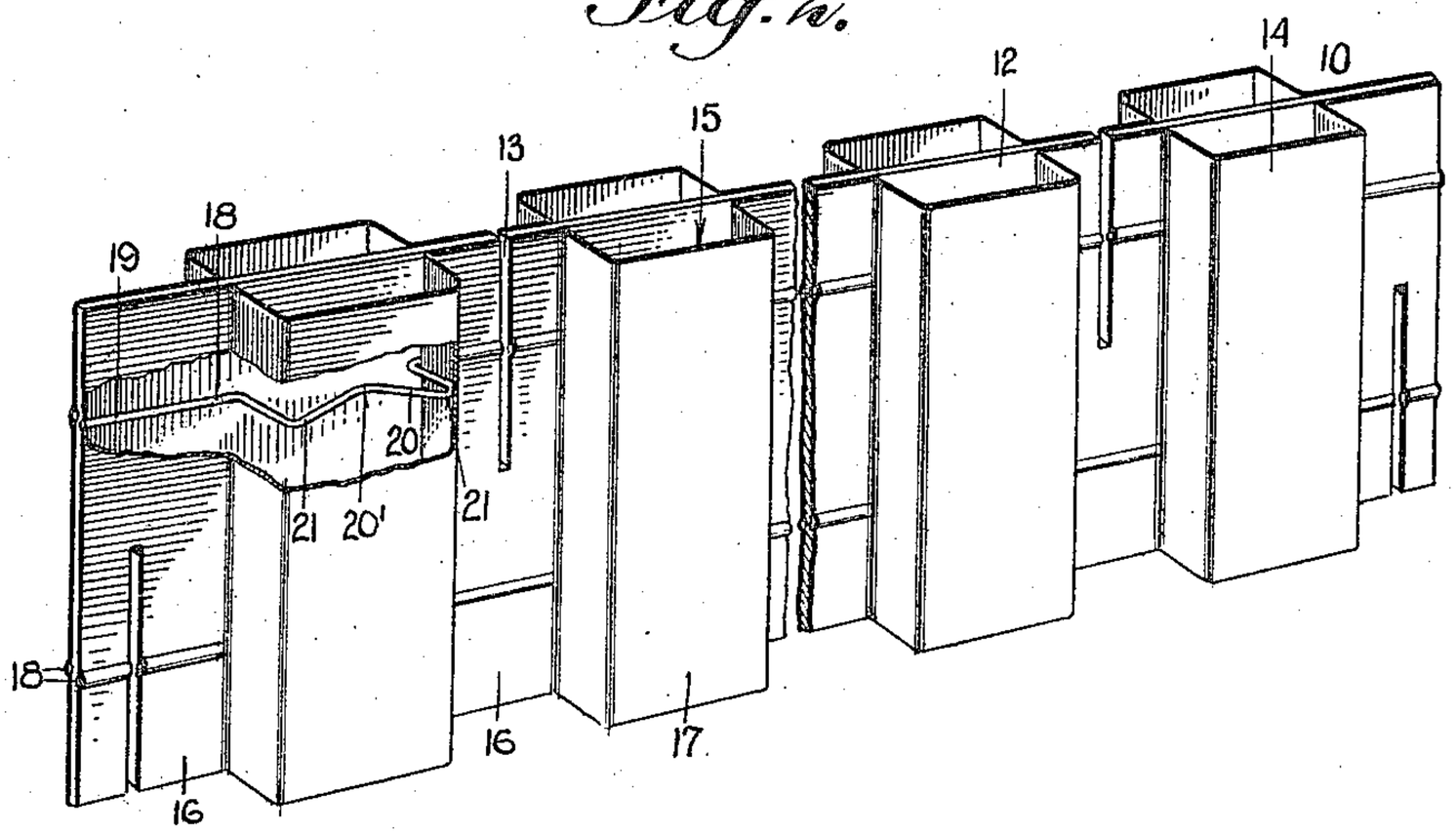


Fig. 2.



WITNESSES

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EGG-CARRIER.

1,167,263. Specification of Letters Patent. Patented Jan. 4, 1916.

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To all whom it may concern:

Be it known that I, ISAAC V. BOWLEY, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Egg-Carrier, of which the following is a full, clear, and exact description.

This invention relates to packing and shipping devices and has particular reference to fillers for egg crates or the like wherein provision is made for holding individual articles such as eggs, electric lamp bulbs, bottles or the like, in spaced relation to one another.

Among the objects of the invention is to provide a peculiar form of reinforcement for the filler construction, the reinforcement including strips of wire or the like in connection with auxiliary pockets or cells constituting cushioning devices between adjacent eggs or other objects.

The foregoing and other objects of the invention will hereinafter be more fully described and claimed and illustrated in the drawings forming a part of this specification in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a plan view of a portion of an egg crate filler assembled and illustrating a preferred embodiment of this invention; and Fig. 2 is a detail view in perspective of a part of one of the partitions or filler strips.

While the illustration and description herein given cover a device made substantially in accordance with what I now regard as the best means for carrying out this principle, it is to be understood that the specific design or form of the parts indicated may be varied to a considerable extent without departing from the spirit of the invention hereinafter more specifically described and claimed.

Referring more particularly to the drawings, I show in Fig. 1 a portion of what may be termed, for convenience of description, an egg crate filler, the same consisting of a plurality of interlocking partitions or strips 10 forming a plurality of cells 11 for holding single objects such as eggs indicated diagrammatically at E. Each strip or partition comprises a substantially flat rib 12 extending throughout the strip and unbroken save for the slits 13 extending inwardly from opposite edges of the strip for interlocking purposes in a manner somewhat like the usual practice of such devices. This rib 12 may be made of cardboard, strawboard, or any other comparatively stiff, strong material.

On either side of the rib 12 is a strip 14 of a lighter material such, for instance, as a comparatively flexible grade of manila paper or the like, the same being of a length to extend throughout the length of the rib and also provide auxiliary cells or pockets 15 substantially midway between adjacent slits 13 and hence in a position directly opposite the center or axis of the object to be held in the filler. In other words, spaced portions 16 of the auxiliary strip 14 are pasted or otherwise secured directly to the side of the rib 12 adjacent or on opposite sides of the slits 13 and between each pair of adjacent portions 16 is formed an outwardly projecting loop 17 within which or between which and the uncovered portion of the rib is formed one of the pockets 15. The loop 17 may be variously shaped in plan view, but for convenience is shown herein as being substantially rectangular.

Any suitable means may be used to stiffen, strengthen or reinforce the parts above described, having reference particularly to the loop construction. For this purpose I show metal stiffeners 18 extending from one end of the partition or strip 10 to the other and preferably adjacent the upper and lower edges thereof. Each stiffener element, except where intersected by the slits 13, is continuous from one end to the other of the partition and includes portions 19 secured between the portions 16 of the jacket 14 and the rib and also portions 20 which extend outwardly free from the rib 12 within the pockets 15. In other words, each of the members 20 is substantially rectangular in plan but having the middle portion thereof deflected or curved inwardly as indicated at 20′. The free corners 21 of each member 20 define or determine the rectangular form of the loop 17 maintaining the same in proper position to provide the desired cushioning effect of the auxiliary pocket or cell structure. It will be apparent, therefore, that while the jacket 14 may be of a comparatively light and flexible nature, the reinforcements 18 will insure sufficient strength or stability for the same and at the same time insure the maximum degree of safety

and protection to the articles being shipped or packed.

As above premised, the filler strips or partitions 10 may be treated as interchangeable units as hereintofore in ordinary egg crate fillers. All of the partitions are of uniform construction and they may be readily assembled or separated for the purposes set forth.

I claim:

1. In a device of the character set forth, the combination of interlocking partitions each comprising a flat rib, a jacket secured directly to the rib at spaced intervals and having loose portions forming loops, and means acting upon the loops to hold the same spaced from the rib.

2. In a device of the character set forth, a plurality of partition strips adapted to interlock with one another forming cells, each strip including a flat rib of comparatively stiff material, a jacket secured on one side of the rib and formed of comparatively light flexible material, spaced portions of the jacket being secured directly to the rib while the portions of the jacket between the connected portions form loose loops spaced from the rib and forming auxiliary cells, and stiffening means for the strip extending longitudinally thereof.

3. In a device of the character set forth, a plurality of interlocking partitions forming cells for individual objects, each partition comprising a stiff flat rib, a jacket of flexible material secured at spaced intervals along one side of the rib, the portions of the jacket between adjacent secured portions extending in spaced relation from the rib forming vertical auxiliary cells, and metal strips extending longitudinally of the partition stiffening the same and serving to hold the free portions of the jacket spaced from the rib.

4. In a device of the character set forth, a filler partition comprising, in combination, a flat stiff rib, a jacket secured to the face thereof at spaced intervals, the unsecured portions of the jacket forming loose vertical pockets of substantially rectangular form, and metal reinforcing strips extending longitudinally of the partition between the rib and the jacket, certain portions of the reinforcing strips being extended outwardly from the rib and conforming to and defining the aforesaid pocket portions of the jacket.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ISAAC VINCEN BOWLEY.

Witnesses:

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