E. C. POTTER.

PACKING OR SHIPPING BOX.

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1,146,515.

Patented July 13, 1915.

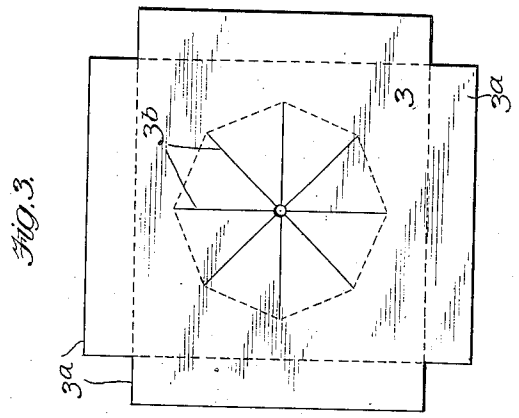


Fig. 3.

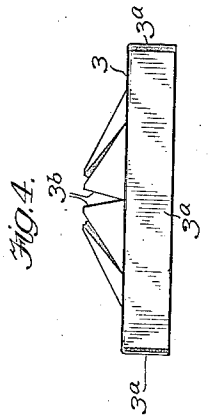


Fig. 4.

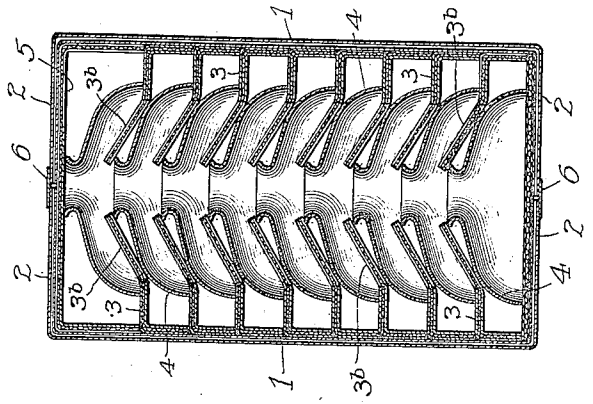


Fig. 2.

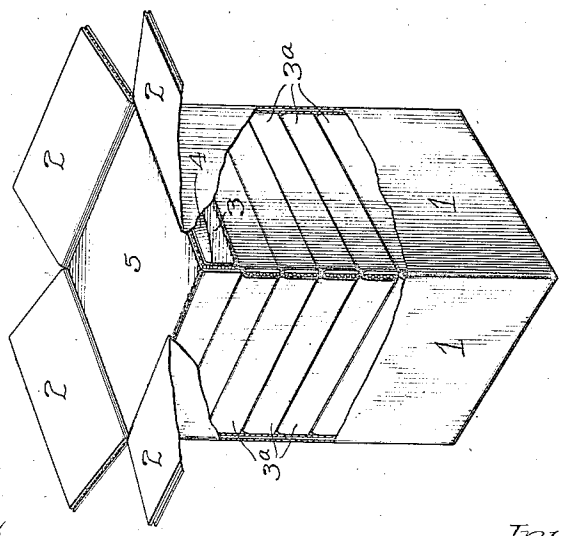


Fig. 1.

Witnesses

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UNITED STATES PATENT OFFICE.

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PACKING OR SHIPPING BOX.

1,146,515. Specification of Letters Patent. Patented July 13, 1915.

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To all whom it may concern:

Be it known that I, EARL C. POTTER, a citizen of the United States, residing at Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Packing or Shipping Boxes, of which the following is a specification.

My invention relates to packing or shipping boxes made of paper board, prefarably double faced corrugated paper board and the object thereof is to provide a box of this character with simple, inexpensive, and efficient means for spacing apart and securely holding fragile articles against any possibility of damage or breakage.

In the drawing Figure 1 is a perspective of a box embodying my invention, portions thereof being broken away to expose the interior; Fig. 2 a vertical, sectional elevation of the box in closed condition and illustrating electric light shades as the contained articles; Fig. 3 a plan view of one of a series of partitions in its flat form; and Fig. 4 an elevation of one of these partitions in the form assumed when in use.

Referring to the present embodiment of my invention as illustrated in the drawing, the box body may be made in any suitable manner and of any desired dimensions and also of any desired material although I prefer to employ double faced corrugated paper board for the necessary strength and rigidity. As shown the box is rectangular in form, having the four side walls 1 and a series of top and bottom flaps or extensions 2 which form the top and bottom closures of the box.

Within the box body is arranged a series of partitions, one of which is shown by itself in Figs. 3 and 4. These partitions are made of paper board, preferably double faced corrugated paper board. As shown, each partition comprises a rectangular board 3 corresponding in dimensions with the inside dimensions of the box so that the same may act as a horizontal partition therein. This board is provided with the four marginal flaps or extensions 3^a which are folded at right angles to the board itself and are adapted to press against the inner sides of the box body and to rest upon the next adjacent board or partition. The central portion of the board is provided with a series of scores 3^b radiating from a common center and corresponding in length somewhat to the length of the radius of the particular articles to be contained which, in the present instance, are electric light shades illustrated at 4 in Fig. 2. These partitions are made with such a width of flap that they will not contain the entire lamp shade but will cause its upper portion, particularly the neck portion, to project upwardly through the top of the partition or board in which action they press upwardly the cut portions of the partition which tend to resist such action and therefore provide a yielding pressure against the lamp shade. The lamp shades are nested as shown in Fig. 2 but are separated from each other by the partitions including the cut portions thereof. Consequently it is impossible for the shades to come into contact with each other and at the same time they are not held rigidly but with a yielding pressure, thereby minimizing the danger of breakage.

In practice a shade is placed upon the bottom of the box and one of the partitions thereupon introduced and pressed downwardly until its flaps 3^a come in contact with the bottom of the box whereupon the cut portions of the partition will yield upwardly. The next lamp shade is then introduced, the same fitting over the raised cut portions of the first partition, which raised portions obviously prevent lateral or horizontal movement. The second partition is thereupon introduced and moved downwardly until its flaps 3^a come into contact with the top of the first partition. This operation continues until the box is filled whereupon a plain paper board 5, which is similar to the partitions except that it is not provided with slits, is placed over the topmost shade. The box is then closed and sealed as by means of the usual tape 6.

I claim:

1. A packing box for bowl-shaped articles comprising a box body and a series of parellel partitions therein, each consisting of a paper board having its central portion provided with radiating slits forming triangular tongues adapted to yieldingly move outwardly and surround the dome of a contained article, the bases of such tongues being spaced inside the peripheral bearing of the base of a contained article upon the opposite side of such partition.

2. A packing box for bowl-shaped articles comprising a box body and a series of parallel partitions therein, each consisting of a

paper board having its central portion provided with radiating slits forming triangular tongues adapted to yieldingly move outwardly and surround the dome of a contained article, the bases of such tongues being spaced inside the peripheral bearing of the base of a contained article upon the opposite side of such partition, and each such partition being provided with marginal spacing means for supporting it.

EARL C. POTTER.

Witnesses:
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