

H. N. HART.  
Packing-Box.

No. 166,774.

Patented Aug. 17, 1875.

Fig. 1.

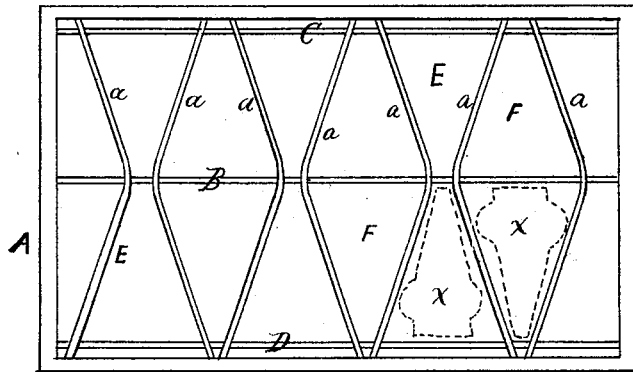
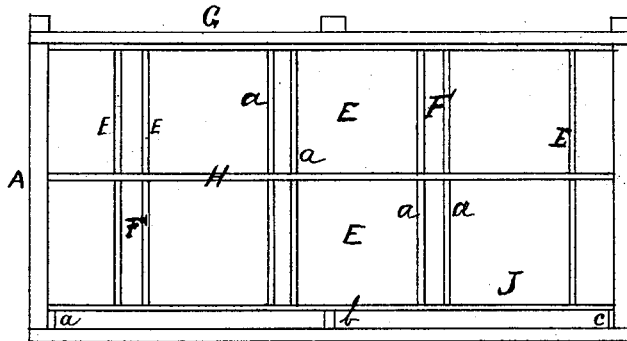


Fig. 2.



Witnesses:  
H. E. Mott  
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By C. A. Shaw,  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN PACKING-BOXES.

Specification forming part of Letters Patent No. 166,774, dated August 17, 1875; application filed August 12, 1874.

*To all whom it may concern:*

Be it known that I, HARRISON N. HART, of Sandwich, in the county of Carroll, State of New Hampshire, have invented a certain new and useful Improvement in Packing-Boxes, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a plan of my improved packing-box, with the cover removed; and Fig. 2 a vertical longitudinal section, with the cover on.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to that class of packing-boxes which are divided into compartments; and consists of a novel construction and arrangement of the parts, as hereinafter fully set forth and claimed, by which an article of this character is produced, possessing superior advantages in many respects over those in common use for like purposes.

When lamp-chimneys and similar articles of glassware are packed in the ordinary manner great loss is experienced from breakage, on account of the peculiar form of the chimney and the difficulty of preventing the packing from shifting in the casks or boxes. The labor and expense of packing and unpacking chimneys when straw is used is also very great, and the work disagreeable.

My invention is designed to obviate these difficulties and objections, and to that end I make use of a box or case divided into sections, each section consisting of a series of triangular compartments, arranged as hereinafter set forth, the base or widest part of one compartment, and the apex or narrowest part of the next adjoining compartment being formed by the same partition, and so on through the series.

In the drawing, A is the box, which may consist of any ordinary packing-case of suitable dimensions. On the bottom of the box I

place the shallow risers or lifts *a b c*, and on the risers the flooring J, composed of strong pasteboard. On the flooring I construct a series of compartments of peculiar form and arrangement, best seen in Fig. 1, in which B C D are strips of stout pasteboard, corresponding in length with the flooring J, and in width with the diameter of the chimney to be packed. These strips are set up on edge or arranged vertically, as shown, the strips C D being arranged near the sides of the box, and the strip B in the center. Halved into the strips B C D, and supported thereby, are the partitions *a a*, consisting of strips of pasteboard corresponding in width with the strips B C D, and arranged to form the triangular compartments E F, as shown. On top of these compartments I place another flooring or covering, H, and on this flooring another series of compartments of like form with those in the bottom of the box, and so on until the box is filled, when it is closed by the cover G.

The triangular compartments E F are alternated in shape, as shown in Fig. 1, so as to allow the position of the chimneys, in packing, to be alternated, whereby I secure the most economical and safest packing of the goods for transportation. Each compartment is adapted to receive one chimney.

By this method of construction the space in the box is greatly economized, the chimneys being packed, alternately, with a top and base next the central partition B, as shown by the dotted lines *x x*. The labor of packing and unpacking is also greatly reduced, and the liability to breakage almost entirely obviated, the chimney being held firmly in position by the walls of the compartment in which it is placed.

I am aware that a packing-box has been used having uniform square compartments formed by pasteboard partitions, and I therefore do not claim the same broadly, my invention being essentially different therefrom. I am also aware that egg-carriers have been constructed with triangular compartments; but these carriers could not be made to answer the purpose of packing-boxes for lamp-chimneys, for which purpose my device is

specially designed; nor would my invention answer the purpose of an egg-carrier.

What I claim is—

A packing-box for lamp-chimneys, having a series of triangular compartments, E F, constructed and arranged in alternate order between the dividing-walls C, B, and D,

substantially as and for the purpose specified.

HARRISON N. HART. [L. S.]

Witnesses:

C. C. FELLOWS,  
ELISHA MARSTON.