

J. E. TARBOX.
PACKING-BOX.

No. 177,588.

Patented May 16, 1876.

Fig. 1.

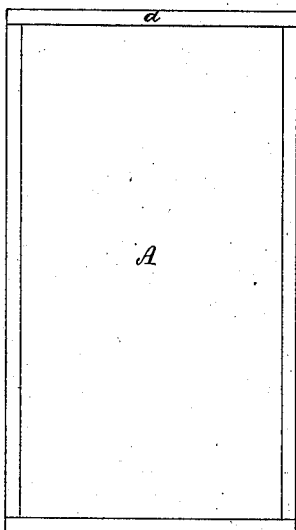


Fig. 3.

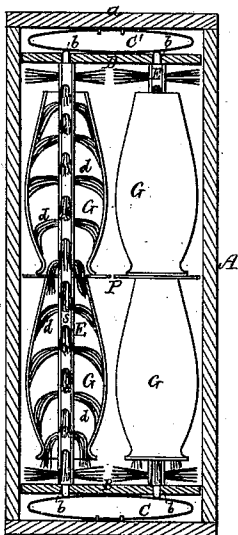


Fig. 2.

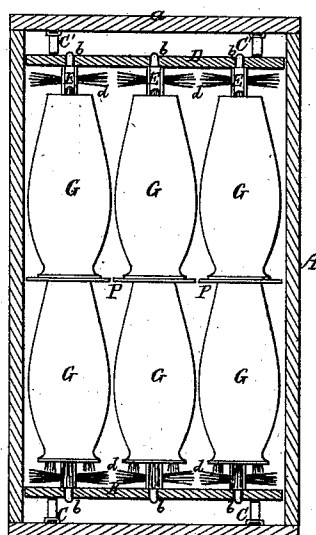
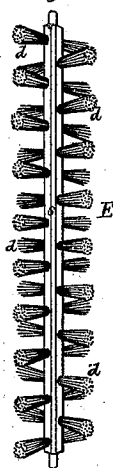


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES E. TARBOX, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN PACKING-BOXES.

Specification forming part of Letters Patent No. 177,588, dated May 16, 1876; application filed March 10, 1876.

To all whom it may concern:

Be it known that I, JAMES EDWIN TARBOX, of Lynn, of the county of Essex and State of Massachusetts, have invented a new and useful or Improved Packing-Case for Tubular Glassware; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view, Fig. 2 a vertical and longitudinal section, and Fig. 3 a vertical and transverse section, of it.

The box, with its appurtenances, as described, and constituting my invention, is designed to receive and hold securely, in a manner to prevent from being broken in transit, a series of lamp-chimneys or other tubular articles of glass, or other fragile ware of like character.

In the said drawings, A denotes a box, having within it and near its bottom a board, B, arranged parallel thereto, and on springs C C, interposed between it and such bottom. Another such board, D, is also placed in the box, near the cover *a*, and having between it and the said cover other springs C' C', to support it to the said board. In each of the boards there is a series of holes or sockets, *b b*, those of one board being in number equal to and directly opposite those of the other. These holes are to receive the ends of a series of chimney-supporters, E E, &c., each being composed of a standard, S, shaped as shown, and provided with bunches, *d d d*, of manila grass, bristles, or some other analogous elastic material, extended from it in a manner as rep-

resented, a perspective view of one of the said standards, with its elastic bunches or arms, being represented in Fig. 4.

One or more lamp-chimneys, G G, may be placed on or made to encompass each of the supporters E, as described, a piece of paste-board, P, having a hole through its middle, being arranged on the standard, and between the top of one chimney and the bottom of the next one above. The elastic arms of each supporter, as described, will not only sustain the chimneys thereof out of contact with the standard going through such chimneys, but also out of contact with the chimneys on the next adjacent supporters, and in a manner to prevent the chimneys encompassing such arms from being broken during transportation or movement of the case from place to place.

The boards B and D and their supporting-springs afford to the supporters E elastic bearings, which also aid in preventing breakage of the chimneys by any sudden blow on the case, or fall of such case upon the ground or a floor.

I claim—

The glassware-packing case, substantially as described, composed of the box A, the boards B D, and their sustaining-springs C C', and the series of supporters E, all arranged, applied, and constructed substantially as set forth.

JAMES EDWIN TARBOX.

Witnesses:

R. H. EDDY,
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