

(Model.)

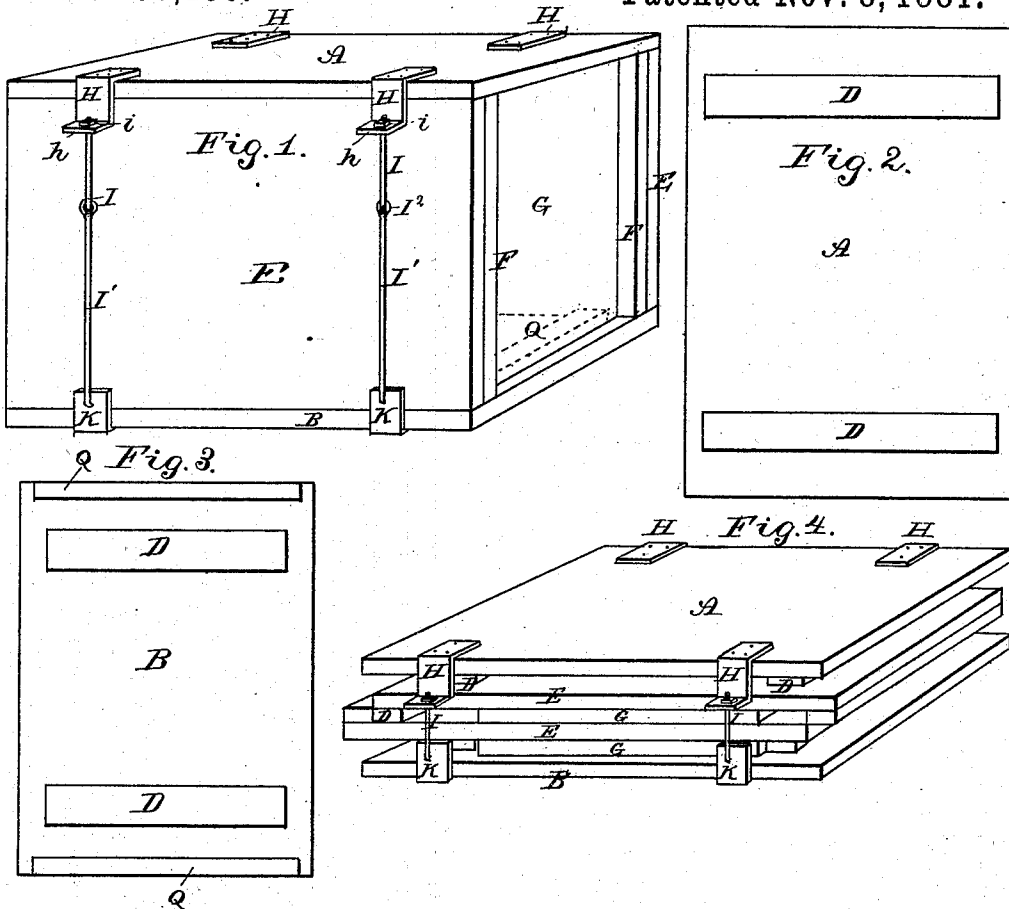
2 Sheets—Sheet 1.

G. C. MEDBURY & E. D. FENNER.

PACKING BOX.

No. 249,196.

Patented Nov. 8, 1881.



WITNESSES

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(Model.)

2 Sheets—Sheet 2.

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Fig. 5.

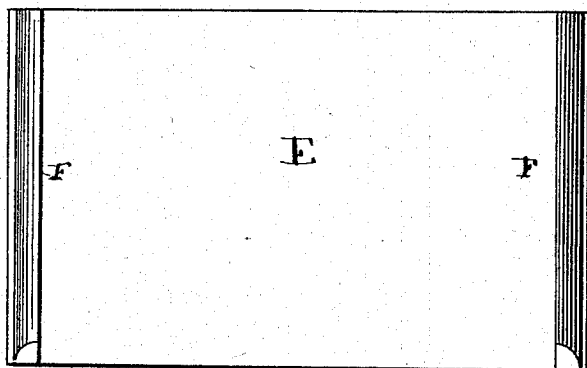


Fig. 6.

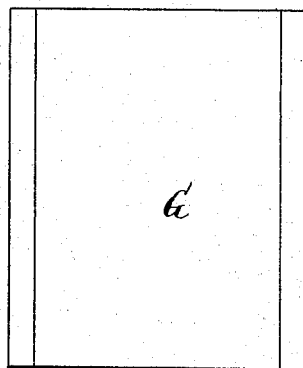


Fig. 7.

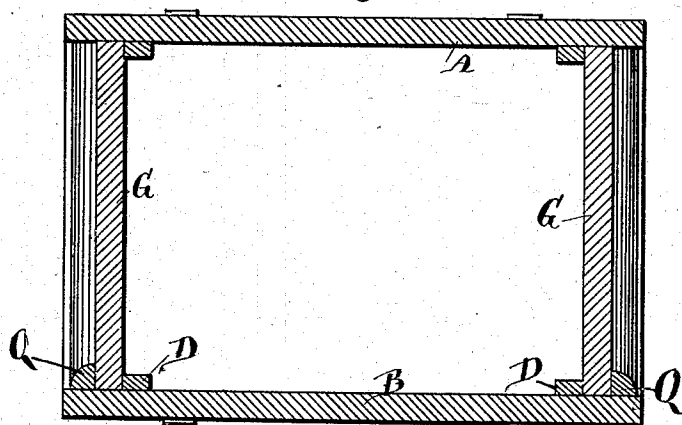
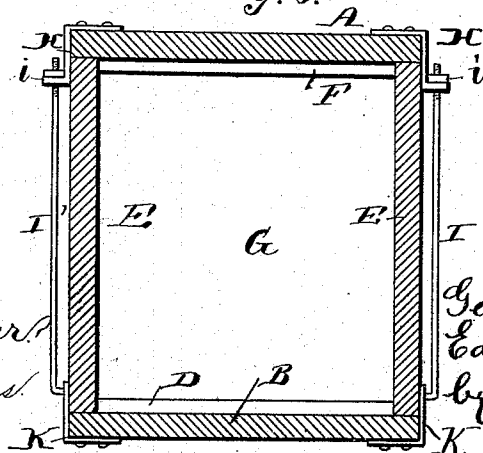


Fig. 8.



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UNITED STATES PATENT OFFICE.

GEORGE C. MEDBURY AND EDWARD D. FENNER, OF PUTNAM, CONN.

PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 249,196, dated November 8, 1881.

Application filed January 31, 1881. (Model.)

To all whom it may concern:

Be it known that we, GEORGE C. MEDBURY and EDWARD D. FENNER, of the town of Putnam, county of Windham, and State of Connecticut, have invented a new and useful Improvement in the Construction of Packing-Boxes for Packing and Transporting Merchandise, of which the following is a true and full specification, reference being had to the accompanying drawings.

This invention relates to that class of packing-boxes that are adapted to be knocked down and folded and secured in compact form.

In the drawings, Figure 1 represents a packing-box constructed in accordance with our invention, the several parts of the box being set up and secured together. Fig. 2 represents the under side of the cover. Fig. 3 shows the top side of the bottom of the box. Fig. 4 illustrates the several parts of the box knocked down and secured together. Fig. 5 is a plan view of one of the sides, E, of the box. Fig. 6 is a plan view of one of the ends, G. Fig. 7 is longitudinal vertical sectional view of the box, and Fig. 8 is a vertical cross-section of the same.

A indicates the top, and B the bottom, of the box. These are each provided upon their inner sides with two parallel battens, D D, arranged so as to leave a space between the battens and the edges of the said top and bottom. The latter is also provided at its extreme end with transverse battens Q Q, between which and the battens D D the end pieces of the box are to be inserted.

E E indicate the sides of the box, each of which has a vertical strip or batten, F, parallel with and adjacent to its end edges.

G refers to the ends of the box. In setting up these parts to form the box the ends G are arranged to fit against the outer edges of the battens D on the top and bottom of the box, and between the battens D Q of the bottom, one of said battens being indicated by dotted lines, Fig. 1, and the said ends G also fit against the inner edges of the battens F of the sides E, as also shown in said figure. In this way the battens of top and bottom parts of the box

resist external pressure against the ends, while the battens of the sides resist internal pressure against the same.

H indicates angle-plates secured to the top of the box, and K angle-plates secured to the bottom thereof. When the box is set up, as in Fig. 1, the top and bottom are held together by rods I I'. The rods I have hooks at their lower ends, that engage eyes upon the rods I', the upper ends of the rods I being passed through eyes h upon the angle-plates H, and the rods I' being hooked into perforations in the lower angle-plates, K.

The top and bottom of the box are drawn together by means of nuts i upon the screw-threaded ends of the rods I.

To knock down the several parts of the box and secure the same in compact form, as in Fig. 4, the long rods I' will be disconnected from the angle-plates K and from the short rods I, and the sides, ends, top, and bottom of the box packed together, as shown in said figure. The rods I are then hooked into the perforated angle-plates K and the nuts i tightened up, so as to hold the parts together.

What we claim is—

1. A packing-box having its detachable top, bottom, and side part provided with the battens D, Q, and F upon their inner sides, adjacent to the ends thereof, said battens being arranged to hold the ends of the box against external and internal pressure, substantially as described.

2. The combination, with the herein-described several parts of a packing-box, of the rods I I', hooked together, the plates H, and the eyes h, connecting with the top A, and receiving the screw-threaded ends of rods I, provided with nuts, and the plates K, secured to the bottom of the box, and having perforations for receiving the hooked ends of the rods I', substantially as set forth.

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Witnesses:

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