(No Model.)

F. M. PECK.

PAPER PACKING BOX.

No. 247,213. Patented Sept. 20, 1881.

Fig. 2.

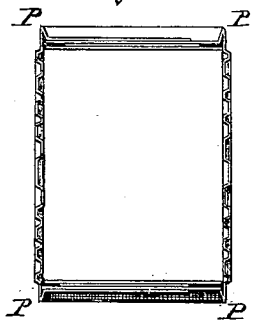


Fig. 1.

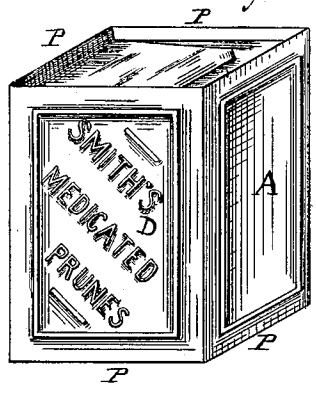
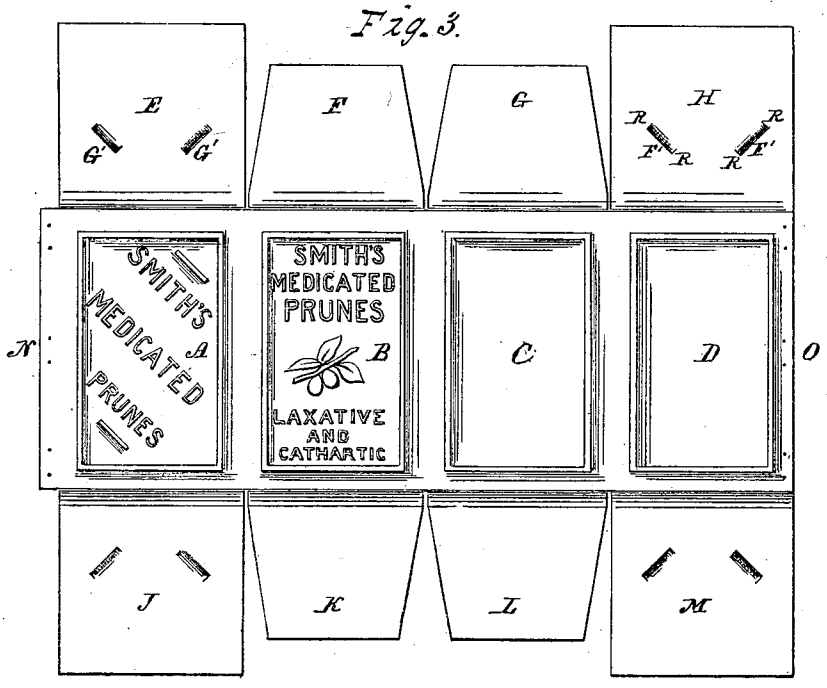


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

FREDERIC M. PECK, OF HARTFORD, CONNECTICUT.

PAPER PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 247,213, dated September 20, 1881.

Application filed January 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC M. PECK, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Paper Packing-Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My improvement relates to paper or pasteboard boxes intended for containing and transporting glass bottles, with their contents, or other fragile articles which require an elastic or yielding material surrounding them to prevent breakage.

The object of my invention is to provide a box whose sides and ends shall constitute the packing material by embossing or making the paper into alternate elevations and depressions, while at the same time this embossing is made to form the label or other device upon the package, and by which its contents may be known.

In the accompanying drawings, illustrating my invention, Figure 1 shows a perspective view of my improved box. The four sides are intended to be embossed with a suitable device, as is shown in the figure upon the front side. Fig. 2 is a vertical section through the middle of the box, cutting through the embossed sides, so as to show the relief. Fig. 3 shows the box unfolded and the shape of the single piece out of which it is formed. Two of the sides are shown fully embossed with a device by which the contents may be known, and the other two with a plain edge, in which a device might be inserted.

A B C D are the four vertical sides of the box. These are intended to have a device impressed upon them by the process of embossing in as high relief as practicable, which may be made to represent the contents, either by letters or fanciful characters. This forms a yielding and elastic wrapping around a glass bottle or other fragile contents of the box, so that it does not need to be otherwise packed in transportation.

A narrow lip, N, is left upon the side A, which is united to the side D by paste, wires, or any of the usual fastenings. This is shown at N O in Fig. 3, perforated, as common when used with a wire fastening.

E F G H and J K L M are the parts which are folded down to form the ends of the box. These flaps, instead of being folded over in the usual manner, are folded completely over against the sides and then turned at right angles inward, so as to form a raised edge, P, as shown in the drawings. This edge forms a protection for the end of the box or package and prevents any blow in that direction from injuring the contents. In folding, the flap F is turned down over the flap H and its corners inserted into the slits F′ F′. In the same manner G is folded down over E and its corners inserted in the slits G′ G′. The bottom of the box is formed by folding in the same way.

The slits into which the corners of the flaps are inserted, instead of being straight cut, as ordinarily made, are furnished with short cuts at the ends, at right angles to the ordinary slit, so that they form three sides of an elongated rectangle, the part between them forming a tongue which can be depressed to allow the corner of the flap to be readily inserted, and which tends to spring upward and retain the corner firmly in its place. The short side cuts are shown at R in Fig. 3. The fold P also tends to force the corners into the slits, and is prevented from unfolding thereby.

My improved box differs from the ordinary corrugated packing in forming a complete box which serves both for packing and for containing the article for sale, and in being embossed, instead of being only rolled into shape, so that it will not readily flatten out. It also indicates the contents of the package, so that the box does not require to be removed.

What I claim as my invention is—

1. A packing-box formed with sides embossed with devices which protect, and one or

more of which also indicate the character of, the contents, substantially as described.

2. In a paper box, the raised edge P, formed at the junction of the sides and ends by a fold of the ends, substantially as described.

3. The combination of the flap F and the flap H, provided with slits for the corners of F, said flaps being provided with the folds P, whereby the locking device is held together, substantially as described.

FREDERIC M. PECK.

Witnesses:
THEO. G. ELLIS,
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