(No Model.) 2 Sheets--Sheet 1.

J. P. NOYES.

Box.

No. 234,323. Patented Nov. 9, 1880.

Fig. 3.

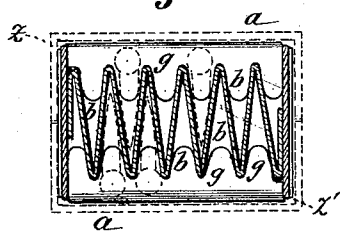
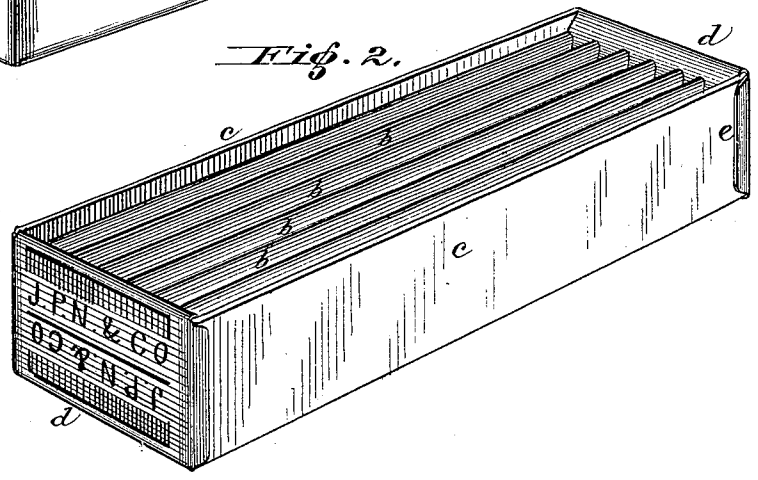


Fig. 2.



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(No Model.) 2 Sheets—Sheet 2.

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Box.

No. 234,323. Patented Nov. 9, 1880.

Fig. 4.

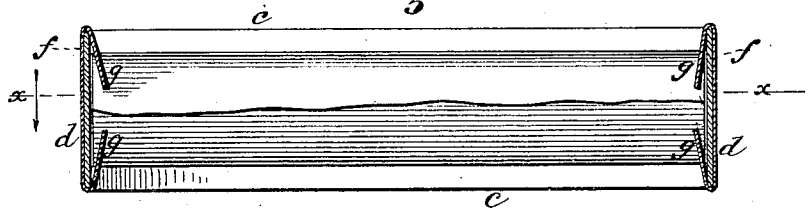


Fig. 5.

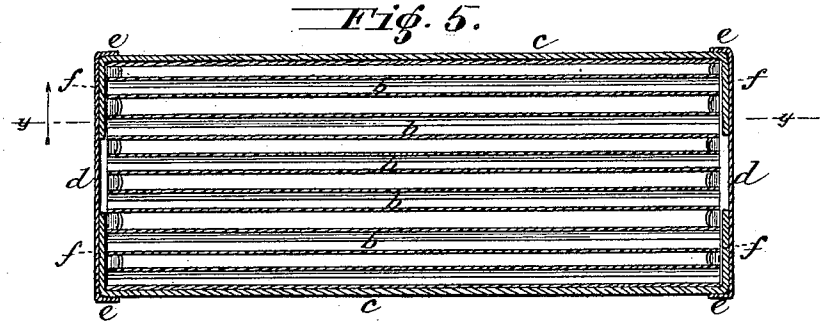


Fig. 6.

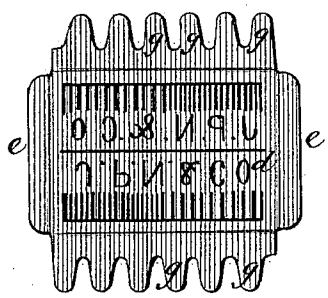


Fig. 7.

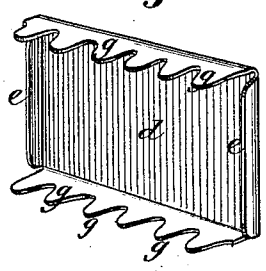


Fig. 8.

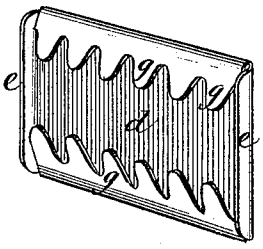
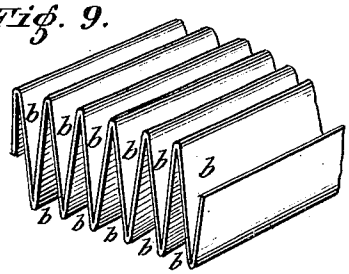


Fig. 9.



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UNITED STATES PATENT OFFICE.

JOSEPH P. NOYES, OF BINGHAMTON, NEW YORK.

BOX.

SPECIFICATION forming part of Letters Patent No. 234,323, dated November 9, 1880.

Application filed September 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH POND NOYES, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to improvements in boxes specially adapted for packing and displaying combs.

Hitherto combs have been packed in a long piece of paper, in which they are rolled with their backs and teeth-points alternately placed, said roll containing a half-dozen, and two such rolls placed in a box; but in such method the combs cannot be displayed without disarranging the whole package.

The objects of my improvements are to provide a compact box in which a tier or row of combs can be attractively displayed from each side by the utilization of pockets formed by a holder of alternate folds, in which the combs are held in double ranks, side by side; to afford facilities for the display of the comb-backs in separate tiers, and for the separate handling and display of each comb in a compact holder without disarranging the package; to provide a holder in which separate tiers of combs can be displayed in the least possible space and with the least risk of damage or displacement in such display, and to produce, in convenient form, packages of combs for wholesale and for retail sales, in which one or both tiers of the combs can be inspected in a box made attractive and distinguishable from similar trade-packages.

Referring to the accompanying drawings, Figure 1 represents a view, in perspective, of the box, with one of the half-cases open to expose one of the tiers of combs in the holder of alternate folds; Fig. 2, the comb-holder and its carrier detached from the hinged half-cases; Fig. 3, a cross-section of the same; Fig. 4, a vertical longitudinal section of the same on the line *y y* of Fig. 5, which is a horizontal section of the same on the line *x x* of Fig. 4, showing the manner of uniting the paper sides of the carrier by metallic lap ends; Fig. 6, one of the metallic lap ends in blank; Fig. 7, one of the metallic ends as struck up in form to be applied to the paper sides; Fig. 8, a perspective of one of the metallic ends as formed complete for uniting the carrier and holder of alternate lap-pockets, and Fig. 9 a portion of such holder.

The case of the box is formed of two covers, *a a*, which I prefer to join at one end of each by paper labels pasted over the joint, so that either may be opened in relation to an interior holder of alternate lap-pockets, to display a tier of combs in each side of the case.

The comb-holder proper is preferably of a single piece of stout paper folded in a manner to form pockets *b*, opening on opposite sides to receive the combs, so that the toothed part of each will lap, bringing the points of the teeth of the comb in one pocket by the side of the back of the comb in the adjacent pocket, and the teeth of each entirely inclosed by the folds, while exposing the comb-backs only above the pockets, as shown by dotted lines in Fig. 3. This holder is secured within a carrier composed of paper sides *c c* and metallic ends *d d*, the latter serving not only as the means for uniting the paper sides, but of securing the holder within the carrier and of maintaining the proper relation of the alternate folds to each other within said carrier. The depth of the carrier is equal to that of both covers, within which it fits; but the depth of the holder is less than that of the carrier by an amount equal to the projection of the comb-backs above the pockets, so that the covers will form a close joining when closed upon the opposite tiers of combs, and it is important for this purpose that the holder be fixed, inasmuch as it cannot rest upon either cover, but must be retained within the carrier, so that it cannot slip to either side, as shown in Fig. 3.

The metallic ends *d d* overlap, by returns or angular bends *e e*, the outer sides of the ends of the paper sides, the return ends or angular bends *f f* of which overlap the inner sides of said metallic ends, while fingers *g g*, from the top and bottom edges of said metallic ends, are sprung over the inner sides of the angular bends *f f*, as in Figs. 4 and 5, and thus secure and clamp the paper sides *c* to the metallic ends. The fingers *g g* of the metallic ends are formed by scallops in a manner to extend down into each pocket and over the ridge of each alternate fold of the holder, and thus secure its opposite ends and preserve the relation of its folds to each other. The fingers may extend to the bottom of the pockets, and be of metal strong enough to hold the holder

with sufficient gripe to make a strong box without depending upon the side strips. In this way the holder for the combs and its carrier are secured together by the metallic ends and the folds of the holder held at equal distances apart. In applying these metallic ends their edge-laps are first upset in right-angle positions, as shown in Fig. 7, and the serrated or scalloped parts are afterward pressed or sprung into the pockets, into which they stand at a slight angle, the better to hold the ends of the alternate folds, as in Fig. 4. For this purpose the fingers must alternate so as to be coincident with the alternating pockets of the opposite sides of the holder. The use of these fastening metallic ends also admits of the employment of an ornamental and distinctive device, by which the package is rendered attractive and recognizable in the trade.

Each of the covers or half-cases may serve in its turn as the bottom of the box, while the contents of the other side are exposed for sale, thus keeping the articles in one-half of the package fresh until the others are disposed of, displaying the backs only of each half, and arranging a dozen of combs or similar articles within the least possible space.

The combs are packed in a thin paper lining conforming to the folds of the holder.

The hinging of the covers may be dispensed with, or they may be formed of the same piece as the side strips of the carrier, one cover being jointed to one edge of one side, as at *z*, and the other cover jointed to the edge *z'* of the other side of the carrier, as in Fig. 3.

I claim—

1. In a box, the combination of a holder of alternate folds, with a carrier therefor, consisting of paper sides and metallic ends, the latter provided with means for securing the sides and holder together, and for maintaining the proper distance apart of the folds of said holder within the box on both sides, substantially as and for the purpose set forth.

2. A box constructed of paper sides, metallic ends, and a holder of alternate folds, the folds of the holder having a less depth than that of the sides, and the metallic ends having fingers adapted to fit in the pockets of said alternate folds within each side of the box, whereby the toothed parts of the combs are inclosed side by side, and their backs outside of said alternate folds and beneath the covers on each side, substantially as herein set forth.

3. The carrier for a comb-holder of alternate folds, consisting of the paper sides *c c*, having the return ends *f f*, and the metallic ends *d d*, having fingers *g g* on two opposite edges, and return ends *e e* on their other edges, said return ends *f f* lapping the inner sides of the metallic ends and clamped thereto by said fingers, and said return ends *e e* lapping the outer paper sides, substantially as and for the purpose set forth.

4. In a box composed of half-covers, a comb-holder consisting of alternate folds opening in separate tiers in the covers, and of a depth less than that of the covers when closed, in combination with a carrier for said holder, having a depth equal to that of the covers when closed, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH POND NOYES.

Witnesses:

ALEXANDER D. BEARD,

OLIVER DEAN.