Nov. 28, 1933. F. J. PETERSON 1,936,951

PAPER BOX

Filed Jan. 26, 1932

Fig. 1.

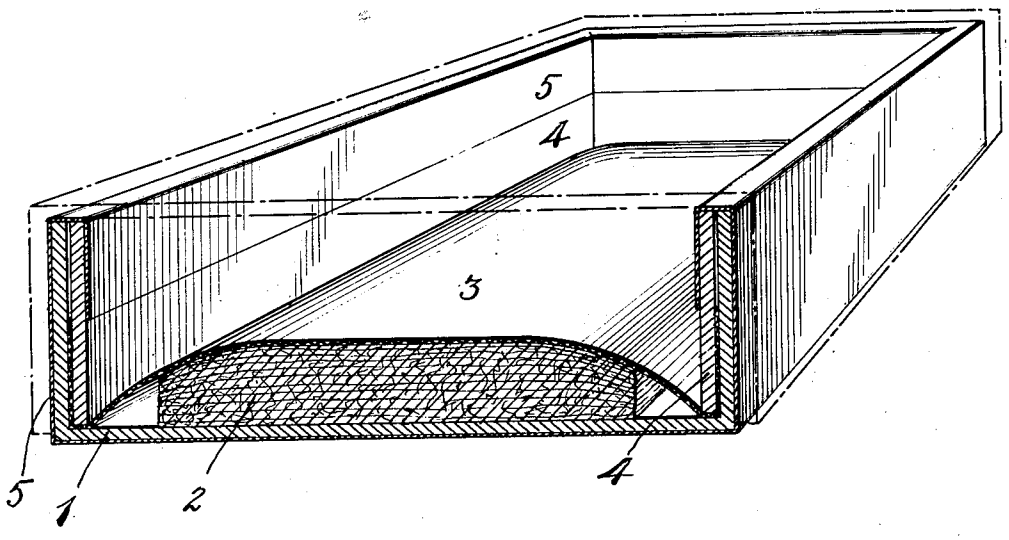
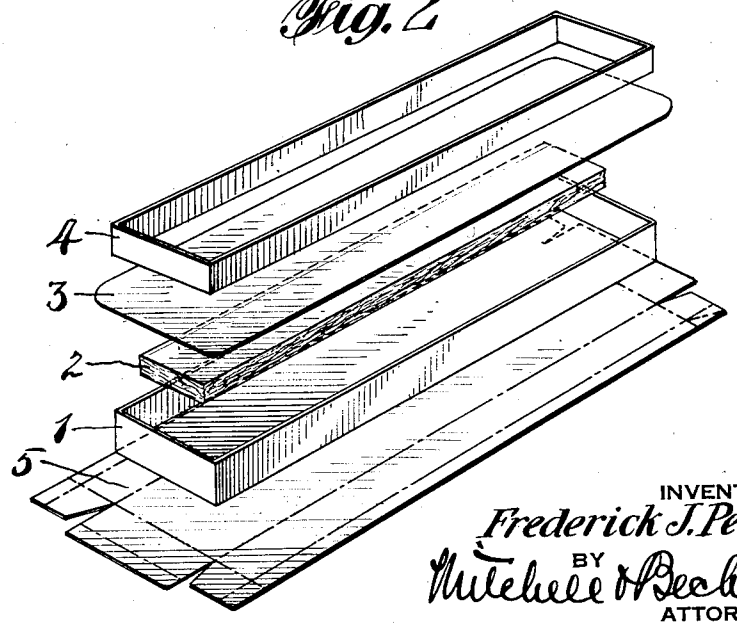


Fig. 2



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PAPER BOX

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Application January 26, 1932. Serial No. 588,924

1 Claim. (Cl. 229—14)

My invention relates to new and useful improvements in paper boxes, particularly of that type in which the bottom is provided with a soft pad for the reception and support of beads and other delicate articles of merchandise. Heretofore such boxes have been made, the box itself being first completed, and the pad itself being made as a separate article and then inserted into the box. By my improvement, the box and pad are assembled in one series of operations which may be almost, if not entirely, accomplished by the use of machines as distinguished from handwork. By my invention a uniform, superior construction is produced at a great saving of time, labor and expense.

In the accompanying drawing I have shown my invention in one of its preferred forms, in which—

Fig. 1 is a cross section, showing part of the finished box in perspective;

Fig. 2 is an exploded view of the various parts in perspective.

1 represents the body of a paper box, comprising a bottom, sides and ends, which may be produced in the usual way, no novelty residing in the construction or method of producing this particular part of the structure. 2 represents a piece of soft padding, usually of cotton or the like, which is designed to rest upon the bottom of the box body. 3 represents a sheet, preferably of soft, silk-like material, which constitutes a covering for the padding 2. The area of this sheet is slightly greater than the outside dimensions of the box body, so that when the sheet is placed upon the upper edges of the body it will project slightly beyond the same. 4 is what I will term a locking rim, one function of which is to stretch the sheet 3 smoothly over the padding 2 and lock its edges in place, hiding the extreme edges of the sheet from view, as later described. The locking rim 4 is made of paper stock, preferably of sufficient body or thickness to enable it to be properly assembled so as to stretch the sheet 3 and put it under such tension as to cause it to lie smoothly on top of the padding 2. This locking rim performs the added function of reinforcing the walls of the finished box. To assemble the parts thus far described the sheet 3 is first placed lightly on the upper edge of the box body 1. The rim 4 is then placed upon the fabric sheet and pushed in place between the side and end walls of the body, thus causing the central portion of the sheet to be forcd down against the padding, the extreme edges of the sheet being held between the outer walls of the locking rim and the inner walls of the box. When the rim 4 has been crowded fully down, the lower edge of the rim will tend to pinch the fabric sheet against the bottom of the body, to assist in holding it in place, so as to give a smooth, slightly bulging and pillow-like effect to the pad in the bottom of the box. When the parts are thus assembled a finishing wrapper 5 is applied. This wrapper may have any suitable surface ornamentation or color and is suitably shaped so that it will cover and provide an attractive surface finish for as much of the outside of the box body as desired, and so that when its edges are folded inwardly over the upper edges of the box body and locking rim and against the inside of the latter, it will permanently tie these two parts together. This wrapper 5 is held in place by suitable adhesive. Any other suitable means may, if desired, be employed alone or in addition to the wrapper 5 to tie together the locking rim and the walls of the box. By this construction and method of assembly the finished device may be characterized as a machine product and, since little or no hand labor is required, great economies are effected and a uniformity of product will result.

I have not shown the lid or cover for the box, since a lid or cover of any ordinary and well known construction may be employed. If desired, a similar construction of a size capable of sliding over the finished box, as shown by dotted lines in Fig. 1, may be used as a cover, in which event the contents of the box would be protected from injury on the top and bottom by two opposed soft pads.

It should be understood that various modifications may be made without departing from the spirit of the invention or the scope of the following claim.

I claim:

In a device of the character indicated, a box body comprising a bottom and sides, a padding in the bottom of the box body, a fabric cover sheet for said padding, a locking rim fitted within the walls of said box body and engaging said cover sheet to hold the same in place, the edges of said cover sheet extending upwardly and being held between the inside of the box body and the outside of said locking rim, the upper edges of said locking rim and sides of said box body being substantially flush with each other, and a finishing wrapper secured to the outside of said box body and folded inwardly over the flush upper edges of said locking rim and box body sides and secured to the inner sides of said locking rim for holding the latter in fabric locking position.

FREDERICK J. PETERSON.