R. A. ROBBINS.

BOX.

APPLICATION FILED FEB. 16, 1905.

913,054. Patented Feb. 23, 1909.

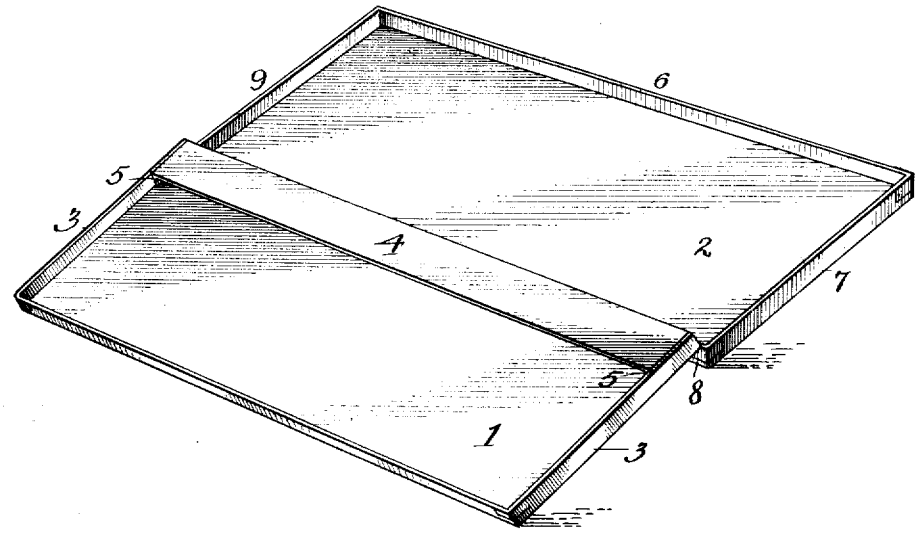


Fig. 1.

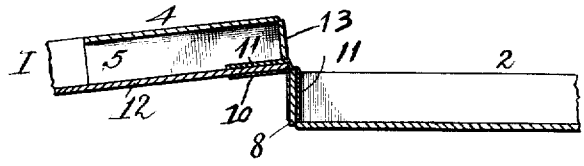


Fig. 3.

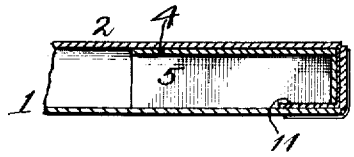


Fig. 4.

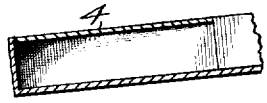


Fig. 2.

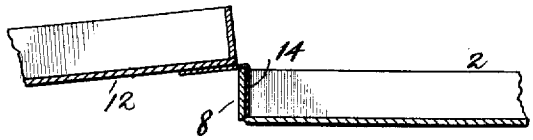


Fig. 5.

WITNESSES.

J. M. Dolan.

M. E. Flaherty.

Raymond A. Robbins INVENTOR.

by his attys

Clarke, Raymond & Coale.

UNITED STATES PATENT OFFICE.

RAYMOND A. ROBBINS, OF NEWTON, MASSACHUSETTS, ASSIGNOR TO THE CARTER'S INK COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

BOX.

No. 913,054. Specification of Letters Patent. Patented Feb. 23, 1909.

Application filed February 16, 1905. Serial No. 245,829.

To all whom it may concern:

Be it known that I, RAYMOND A. ROBBINS, of Newton, in the county of Middlesex and State of Massachusetts, a citizen of the United States, have invented certain new and useful Improvements in Boxes, of which the following, in connection with the accompanying drawings, is a full, clear, and exact description.

My invention has for its object an improved construction in that type of box or receptacle which is ordinarily used to contain sheets of carbon paper or material of a similar nature, and which is designed to be readily opened, and yet be reasonably tight when closed.

My invention particularly relates to a new style of top or cover for such a box, and to a new method of attaching the same to the box body, whereby several defects common to boxes heretofore in use, are avoided.

As is well known, in the box now in general use, the top or cover is in two sections, one integral with the box body whereby the carbon sheets lying under such integral section are held in place; and the other a flap hinged to the integral section and provided with side pieces to fit over the adjacent portion of the box body when swung down close the box. Such a structure has several objectionable features, one of which is that the box warps or buckles transversely, and another that the side pieces or extensions of the flap get bent out and broken, particularly at their inner or free ends, whereby the box ceases to be tight or to be presentable in appearance.

My box has not the structural objections of the old box, though constructed to have the desirable tightness, as well as to have provision for holding the carbon sheets properly in place. In my invention I do away entirely with the two parts top or cover with its loose side pieces and other features, and in its place substitute a single piece cover hinged to the box body, preferably lengthwise. As a substitute for and to replace the sheet holding function of the integral portion of the old two-part cover, I attach to the sides of the box body a retaining piece or strip beneath which the sheets are adapted to lie when in place. By providing the cover with a continuous flange and hinging the same at one side of the box to the body thereof, I obviate all loose or free ended side pieces such as are present in the old form of box.

Having thus broadly stated the objects and nature of my invention, I will now proceed to describe the same in detail, reference being made to the accompanying drawings, in which—

Figure 1 is a view in perspective of the box open; Fig. 2 a fragmentary view in sectional elevation, representing a slight modification of a portion of the structure shown in Fig. 1. Fig. 3 is a fragmentary view in sectional elevation, the box being open. Fig. 4 is a view similar to Fig. 3, the box being closed. Fig. 5 is a fragmentary view in sectional elevation showing a modification of my invention.

Referring to the drawings, the body or receptacle of the box is indicated at 1 and the top or cover at 2. Extending across the box body between the side pieces 3 and preferably flush with the top of the side pieces is a retaining strip or piece 4. This strip is shown as a bridge, being bent or turned at either end 5 to provide means of secure and rigid attachment to the sides of the box body and to prevent its being collapsed on the bottom of the box. In Fig. 1 I have shown the retaining strip as a straight piece at the rear of the box. In Fig. 2 I have shown the strip at the front of the box. It will be seen, however, that the position and shape of this piece may be varied at will so it may have the function of holding the carbon sheets in place.

Turning now to the cover and my means of attaching the same to the box, it will be seen upon reference to Fig. 1 that the cover is provided with side pieces 6, 7, 8, and 9 slightly deeper than the body of the box and connected together to form a continuous flange, whereby no loose or free ends are present. I have so provided that this flanged cover is permanently secured to the body of the box whereby the flanges of the cover may fit down over outside and alongside the box body when the box is closed. Such connection is obtained by a hinged connection formed between the top edge of one side piece of the box and the bottom corner edge of the bottom of the box adjacent to it.

In Figs. 3 and 4 the cover is shown as hinged to the box by means of strips 10 and 11, of flexible material. The strip 10 is an outside strip glued or otherwise secured on

the one hand to the outside of the bottom 12 of the box, and on the other hand to the outside of the side piece 8 of the cover. The strip 11 is an inside strip attached to the inside of the box bottom, passing under the wall or side piece 13 of the box and attached to the inside of the side piece 8 of the box cover. Although such a hinge construction is quite efficient, my invention is in no wise limited thereto. In Fig. 5, for instance, I have shown a structure in which there is a single flexible strip 14 which attaches to the outside of the bottom of the box, passes over the side piece 8 of the cover and attaches to the inside of said piece. Other ways of disposing the flexible hinge strips will occur, and these are distinctly within the scope of my invention.

The box being open it will be seen that the carbon sheets are held from being disturbed by the cross strip while on the other hand they are readily accessible to be removed. When the box is closed the four side pieces of the cover closely embrace the box body giving the whole a neat and solid appearance.

Having described the object and nature of my invention, what I claim and desire to secure by Letters Patent is:

In a box as described, a box body and a cover permanently connected therewith, said cover having side pieces forming a continuous flange slightly deeper than the depth of the box, and means forming a hinged connection between the lower edge of one side piece of the box cover and the bottom corner edge of the body of the box contiguous to it whereby the said cover may turn on said hinges and fit over said box body and the continuous flange of said cover may fit outside and alongside the sides of said box body when the box is closed.

RAYMOND A. ROBBINS.

Witnesses:
JOHN E. R. HAYES,
WM. L. MORRIS.