

(No Model.)

R. P. BROWN.
PAPER BOX.

No. 468,593.

Patented Feb. 9, 1892.

Fig. 1.

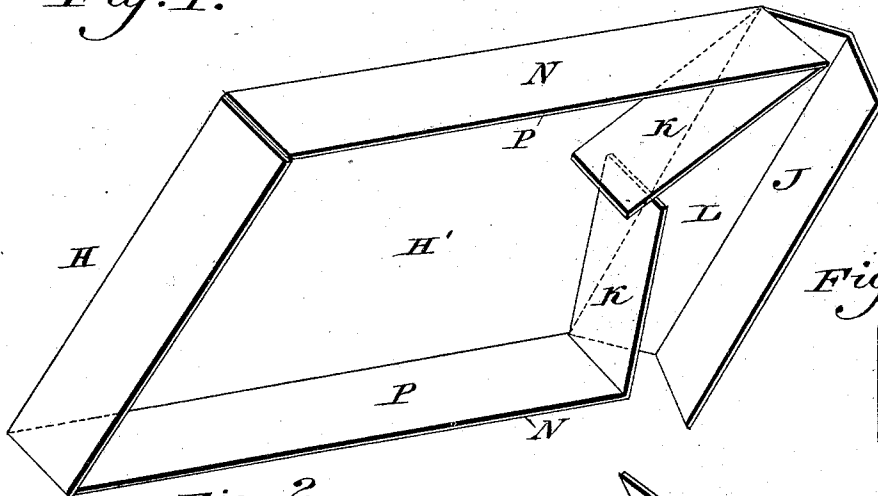


Fig. 2.

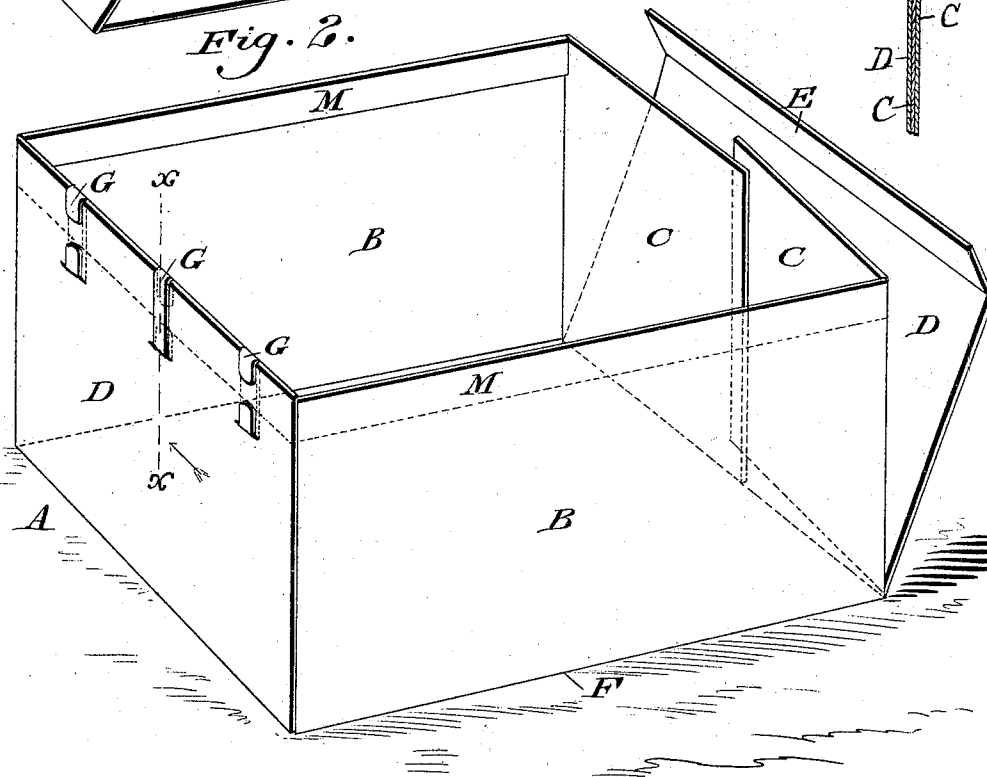
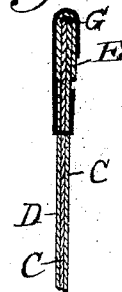


Fig. 3.



WITNESSES:

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PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 468,593, dated February 9, 1892.

Application filed November 11, 1889. Serial No. 329,871. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. BROWN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Paper Boxes, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a knockdown paper box having inner end flaps and outer end flaps in contact therewith, together with folds which embrace the upper ends of the inner flaps, producing several thicknesses of material for stiffening or strengthening the ends of the box and binding the inner end flaps, whereby they are prevented from spreading and the outer flaps from separating or opening. When the box is made up, the end flaps and folds may be connected by clips as additional fastening devices for said folds, the same connecting the upper and lower end portion of said folds with the contiguous parts and holding the same firmly and closely thereto.

Figure 1 is a perspective view of a lid of a box embodying my invention. Fig. 2 is a perspective view of the body thereof, showing clips fastening one end. Fig. 3 represents a vertical section on the line *xx* of Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the body of the box, consisting of side pieces B, inner end flaps C, outer end flaps D, folds E at the top of the ends D, and a bottom F, all made from a single piece of paper suitably cut, scored or kerfed, and folded, it being noticed that the flaps D fold against the flaps C and the top fold E is turned over the top edges of the flaps C and embraces the same, by which provision the ends of the box are strengthened and the top edges of the flaps C are stiffened, there being in reality three thicknesses of material on said tops, excepting where the contiguous ends of the flaps C overlap together, covering the entire end, and in

such cases four thicknesses of material exist at or about the center of the ends of the box.

In order to prevent the separation of the flaps CD and opening out of the top fold E, clips G are passed through the flaps C D and bent over or through the top fold E, thus clamping said parts C D E to each other. While three clips are shown in Fig. 2, it is evident that the number of the same may be increased or decreased, as desired.

H designates the lid of the box, formed in general respects similar to the body A, excepting that the end folds J on the outer end flaps L are sufficiently high or deep as to embrace the inner end flaps K and also reach to the inside of the top H' of the lid and bear thereagainst.

The sides B of the body A are provided at top with folds M, turned down from the same into the body, and the sides N of the lid are provided with folds P, turned up from the lower edge of the same into the lid, thus strengthening said sides, this, however, not being an essential feature.

It is evident that the lid and body may be opened out and packed in flat condition, as in knockdown boxes.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A knockdown paper box constructed of a single piece of material and having a bottom with side and end pieces, the side pieces having side and end flaps, the said end flaps of the sides overlapping and covering the inner face of the end pieces of the bottom, flaps on the end pieces turned over the upper edges of the inner flaps at the ends, and clips passing through the end pieces and the overlapping edges of the inner flaps and bent over the top and lower edges of the end flaps, substantially as described.

ROBERT P. BROWN.

Witnesses:

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