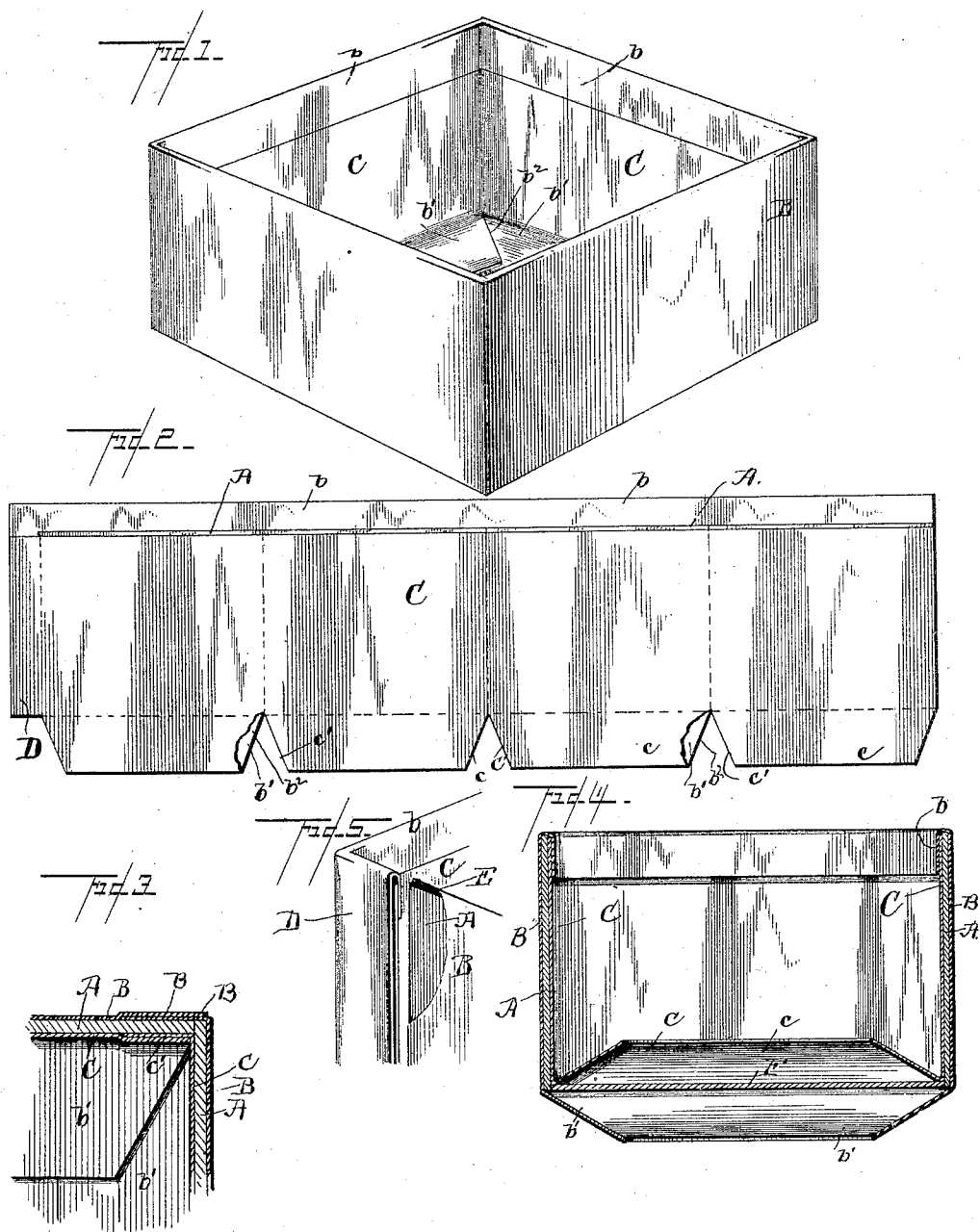


(No Model.)

P. LINDEMAYER.
KNOCKDOWN OR FOLDING PAPER BOX.

No. 460,293.

Patented Sept. 29, 1891.



Witness

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

PHILIP LINDEMEYER, OF BALTIMORE, MARYLAND.

KNOCKDOWN OR FOLDING PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 460,293, dated September 29, 1891.

Application filed April 23, 1891. Serial No. 390,152. (No model.)

To all whom it may concern:

Be it known that I, PHILIP LINDEMEYER, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented a new and useful Knockdown or Folding Paper Box, of which the following is a specification.

My invention relates to paper boxes; and it has for its object to provide a simple and inexpensive article that will occupy but a small space when folded up and in its knockdown condition, so as to economize on the shipment and storage of the same; and it consists of a folding or knockdown paper box-body constructed in a special manner hereinafter more fully described, illustrated in the accompanying drawings, and specifically pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved box. Fig. 2 is a plan of the inner face of the sides-forming blank with the outer and inner re-enforces pasted on, the overlapping top flap of the outer strip being unturned. Fig. 3 is a cross-section of the completed box at the lapping corner. Fig. 4 is a vertical section showing the bottom in position between the bottom flaps before it is secured in place. Fig. 5 is a detail view illustrating the manner of joining the free ends of the sides-forming blank.

Referring to the drawings by letter, A represents the blank forming the sides of my improved box. This blank is cut of a sufficient length to form all the sides of the box and is made from the ordinary card-board or other suitable material and is scored to be oblong, rectangular, or any preferred shape. On the side of said blank designed to be the outside of the box is pasted the re-enforce strip of paper B, which is of a suitable material to give a finished appearance to the box, being preferably Manila paper. The outer strip B extends above the edge of the blank, forming a top flap *b*, while it is provided at the lower edge of the blank with larger bottom flaps *b'*, formed by cutting the depending edge at *b²* at the scoring-points of the blank and so that when turned under these flaps shall form the bottom rest. The said sides-forming blank A is further provided on its inner face with an additional re-

enforce strip C, which is itself also extended below the lower edge of said blank and provided with the bottom flaps *c*, formed by cutting the depending portion of the re-enforce at *c'*, registering with the cut in the outer strip. After the inner facing is suitably pasted on the blank A the top flap *b* of the outer facing, that extends above the top edge of the sides-forming blank, is turned over the said edge and pasted or glued over the upper portion of the inner facing, thus giving a strong re-enforce to the upper edge of the box.

From one of the ends of the blank A the pasted re-enforces B and C extend out a short distance, forming an open end flap D, while at the other end of said blank the re-enforcing strips are not secured to the blank for a distance from the end of the same, as shown at E, to correspond with the width of the said open end flap D, that is designed to pass over the said end of the sides-forming blank and under said unglued portion of said re-enforce strips, which are subsequently glued or pasted down to complete the joint and shape the form of the box. In this shape, before the bottom of the box is in, or in the shape prior to connecting the ends of the blank, the same with the other necessary parts of the box are folded and bundled up together in a knockdown condition either for the purpose of transportation or storage.

When the box is set up for use, the supplemental bottom F is secured in place by inserting the same between the bottom flaps of the outer and the inner re-enforcing strips, which are glued or pasted to the top and bottom face of said bottom, respectively, by this means providing a strong re-enforce for the bottom and simplicity and facility of placing the same in position to form the completed box. Upon the box when set up the ordinary cover for boxes of this character is adapted to be placed.

The method of forming this box is now thought to be apparent from the foregoing description. Having cut the blank of the required length to form the sides and covered the same with the re-enforces herein described and joined the ends in the novel manner stated, the same can be readily folded up for the purpose set forth, and when ready for use

the insertion of the supplemental bottom between the flaps of the covering-strips provides a simple and cheap method for completing the box in a strong and substantial manner.

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

As an article of manufacture, a knockdown or folding paper box-body, the same comprising a stiff blank cut in suitable length and scored to form the sides of the box, an outer re-enforcing and finishing strip provided with a continuous top flap and independent bottom flaps to correspond with the sides of the box, an inner re-enforce strip of a suitable material and provided with bottom flaps corresponding to the bottom flaps of the opposite

re-enforce, the top flap being adapted to overlap the upper edge of the blank and inner strip, the extended re-enforce strips at one end of the blank being secured between the re-enforce strips and the body of the stiff blank at the other end, and a supplemental bottom adapted to be secured between said bottom flaps when the sides of the box are set up from their knockdown position and squared for its reception, substantially as set forth. 20 25

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

PHILIP LINDEMEYER.

Witnesses:

E. G. SIGGERS,
R. W. DAYTON.