

(No Model.)

W. E. KEELER.
KNOCKDOWN BOX.

No. 581,234.

Patented Apr. 20, 1897.

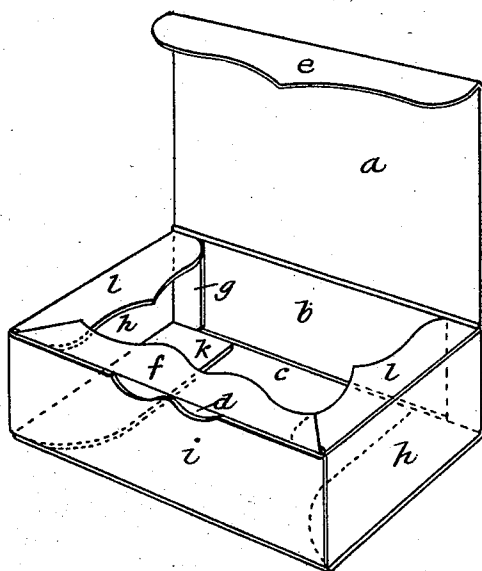
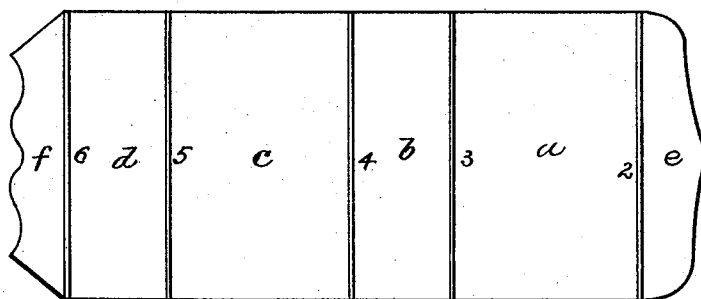


Fig. 1.



A

Fig. 2.

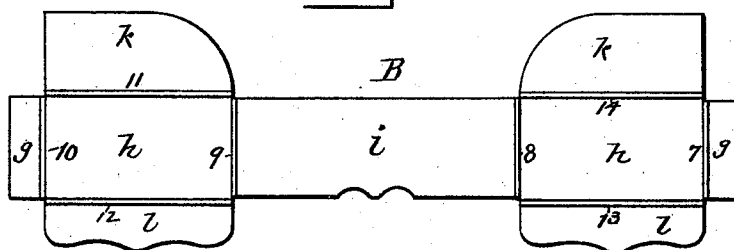


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

WALTER E. KEELER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HERBERT L. HILDRETH, OF SAME PLACE.

KNOCKDOWN BOX.

SPECIFICATION forming part of Letters Patent No. 581,234, dated April 20, 1897.

Application filed April 11, 1896. Serial No. 587,088. (No model.)

To all whom it may concern:

Be it known that I, WALTER E. KEELER, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Knockdown Boxes, of which the following is a specification.

My invention relates to knockdown boxes made of pasteboard or similar material; and its object is to provide a box which will be very stiff when set up without adding to the thickness of the material of which it is made. I accomplish this result by means of overlapping flaps constructed and arranged substantially as hereinafter described and as shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my box open as it appears when set up. Fig. 2 is a plan view of the blank which forms the top, bottom, and one side thereof. Fig. 3 is a plan view of a blank which forms the remaining parts of the box.

The blank A is scored, as at 2, 3, 4, 5, and 6, thereby forming the top *a* of the box, its rear side *b*, its bottom *c*, the reinforcing-flap *d*, the locking-flap *e*, and the supplementary flap *f*, the purpose of which will presently be described. The blank B is scored at 7, 8, 9, 10, 11, 12, 13, and 14, thereby forming attaching end flaps *g g*, the ends of the box *h*, and the front *i* thereof, and also supplementary flaps *k k l l*.

The box is put together by securing the flaps *g* to the rear wall *b* of the box, and the box is then set up by bending the flaps *k* at right angles to the ends *h*, bringing the bottom *c* up into place beneath said flaps *k k*, and slipping the parts *d* and *f* up inside of the front *i* of the box and between it and the edges of the flaps *k k*. There will then be around the top edge of the box when opened the flaps *l, l*, and *f*, of which the flaps *l l* are first bent inward to a horizontal position, and the flap *f* is then bent down upon them, when the box

is ready to be filled and closed in an obvious manner by slipping the flap *e* between the parts *i* and *d*.

By means of the construction just described the flaps *l l* are held in place by the flap *f*, which is supported thereby, and the strengthening-strip *d* is thus kept from falling inward away from the front side of the box *i*, while the flaps *k k* materially increase the strength and stiffness of the bottom of the box.

My improved box, as above described, is found to be very stiff and durable, even when made of light material. I consider a box made as above described, but without the flaps *k k*, to be within the scope of my invention.

I claim—

1. A knockdown box composed of blanks A and B, the blank A being scored to form the top *a* of the box, its rear side *b*, its bottom *c*, a reinforcing-flap *d*, a locking-flap *e* and a supplementary flap *f*, and the blank B being scored to form the ends *h* of the box, its front *i*, attaching end flaps *g, g*, and supplementary flaps *l, l*, said blanks A and B being connected together, substantially as above described.

2. A knockdown box composed of blanks A and B, the blank A being scored to form the top *a* of the box, its rear side *b*, its bottom *c*, a reinforcing-flap *d*, a locking-flap *e*, and a supplementary flap *f*, and the blank B being scored to form the ends *h* of the box, its front *i*, attaching end flaps *g, g*, and supplementary flaps *k, k, l, l*; said blanks A and B being connected together, substantially as above described.

In testimony whereof I have hereunto subscribed my name this 9th day of March, A. D. 1896.

WALTER E. KEELER.

Witnesses:

GEORGE LEMIST CLARKE,
ALEX. P. BROWNE.