

(No Model.)

J. C. POWELL.  
PAPER BOX.

No. 421,302.

Patented Feb. 11, 1890.

Fig 1.

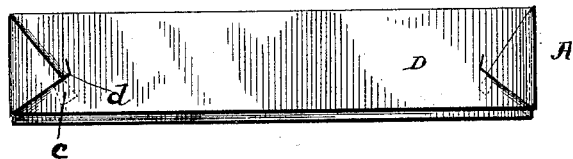


Fig 2.

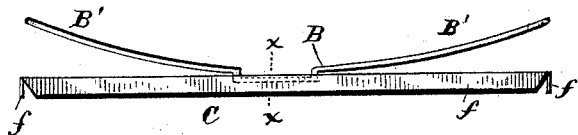


Fig 3.

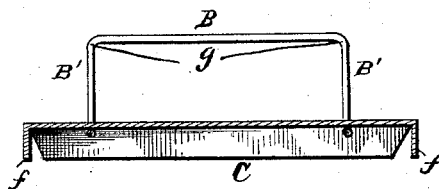


Fig 4.

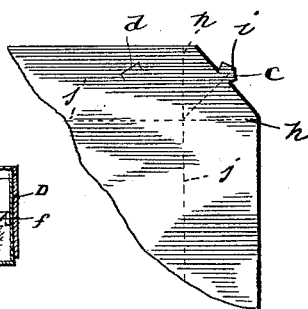
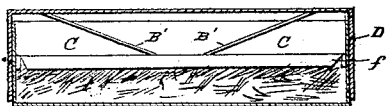


Fig 5.



Witnesses  
Myers Myers  
Paul A. Stearns.

Inventor  
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By his Attorneys  
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# UNITED STATES PATENT OFFICE.

JAMES C. POWELL, OF MACON, GEORGIA.

## PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 421,302, dated February 11, 1890.

Application filed September 4, 1889. Serial No. 322,961. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES C. POWELL, a citizen of the United States of America, residing at Macon, in the county of Bibb and State of Georgia, have invented certain new and useful Improvements in Paper Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention pertains to an improvement in paper boxes; and it consists in the peculiar construction and arrangement of the parts, as hereinafter fully shown and described.

In the accompanying drawings, Figure 1 is a side elevation of my box with the telescoping cover shut down over the body of the box. Fig. 2 is a side elevation of the spring. Fig. 3 is a sectional view thereof, taken on the line *xx* of Fig. 2. Fig. 4 is a detail plan view of one of the unfolded corners of the box, and Fig. 5 is a longitudinal section of my box.

My improvement in paper boxes is designed with the view of imparting unusual thickness, strength, and durability to the corners thereof where most exposed to wear, to admit enlargement and diminution or adjustment of the area of the box to suit the bulk of its contents, and to hold said contents shielded from the dust and jarring. The sides of the box are turned upward at the lines *j* at right angles to the bottom of the box, which will crease the corners through the line *i*. The corners are then creased through the lines *h*, which are continuations of the lines *j j*, and the point *c* is then brought around on one side of the box and inserted through the slot *d*, and thus secured.

The spring B consists of a strand of elastic wire bent at right angles at *g* and then formed into wings or clamps B', its ends being tied. It is passed through apertures formed in the stiff paper self-adjusting shield C, having downwardly-projecting flanges *f*, notched at the corners, which are caused to project in practice a short distance below the upper surface of the contents of the box, which are thus partially inclosed.

The box-cover D is provided with flanges

of depth proportionate to the walls of the box A, and hence the box may be filled to contain nearly double the quantity of box A apart from its lid, and about double the quantity of any ordinary box of similar dimensions, as the telescope lid may be elevated or lowered to suitably inclose contents more or less bulky, as aforesaid. The spring B, whether more or less retracted, bears against the inside of the box-cover D when in position, and the flanges of the cover D project vertically over the outside edges of contents of the box, while the lower face of the self-adjusting shield C compresses the article or articles therein contained, and holds the same steadfastly as against jarring and disorder and protected from the dust. It will be observed that although the spring B by reason of its expansion and retraction presses against the inside of the box-cover when the cover is pressed down in practice, and the contents of the box vary as to bulk, the said spring B is secured to the shield C, as shown.

Thus constructed, a very efficient and durable paper box is produced, which is comparatively inexpensive.

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

1. In a paper box having notched corners formed, folded, and secured as shown, the self-adjusting shield having downwardly-projecting flanges, in connection with the upwardly-projecting spring and the telescoping box-cover, for closely covering the contents of the box, substantially as shown and described.

2. The combination of the self-adjusting shield having flanges, the spring connected thereto, and the box and its cover having notched corners formed, folded, and inserted in the slits, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES C. POWELL.

Witnesses:

ISAAC LOWANTHAL,  
R. F. LAWTON.