No. 768,874. PATENTED AUG. 30, 1904.

C. G. BLACK.

BOX FASTENER.

APPLICATION FILED JAN. 4, 1904.

NO MODEL.

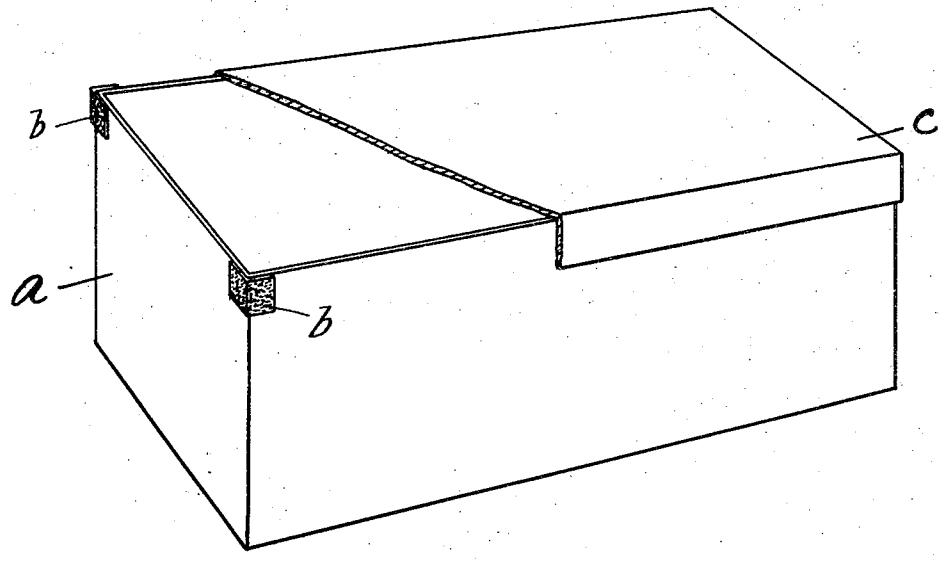

Fig. 1.

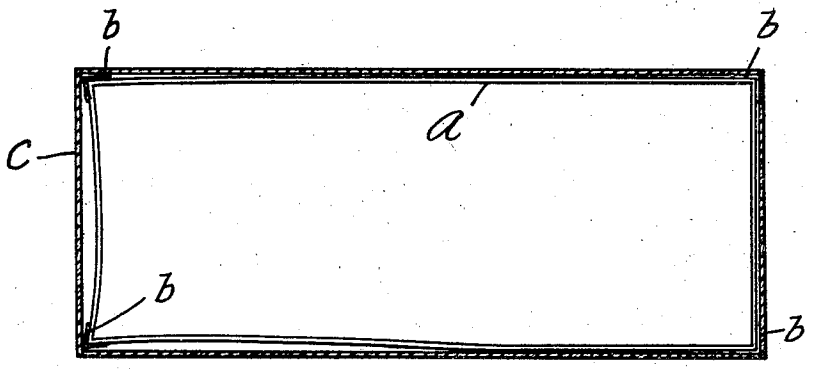

Fig. 2.

Witnesses:
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No. 768,874. Patented August 30, 1904.

UNITED STATES PATENT OFFICE.

CORNELIUS G. BLACK, OF IPSWICH, MASSACHUSETTS.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 768,874, dated August 30, 1904.

Application filed January 4, 1904. Serial No. 187,641. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS G. BLACK, of Ipswich, county of Essex, State of Massachusetts, have invented an Improvement in Box-Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

It is customary when shipping goods in pasteboard boxes to secure the covers in place by means of twine or tape, which must be wrapped about the box and tied. A substantial portion of the time required to pack the goods is consumed in thus fastening on the the covers, and the expense for twine or tape is an item of considerable importance.

The object of my invention is to provide a simple form of securing means for the cover of a rectangular box of cardboard and similar flexible material which will enable the cover to be readily applied and removed and which will hold the cover in place so securely that it will not come off with ordinary usage. I accomplish this object by providing at each corner of the box, adjacent its upper edge and on the outer side thereof, a narrow stay of cloth or paper which has a coating of abrasive material, the latter creating a frictional engagement between the box-body at each corner and the cover, holding the cover firmly in place.

In the drawings, Figure 1 is a perspective view of a rectangular-shaped box provided with my invention, a portion of the cover being broken away, and Fig. 2 is a horizontal section through the sides of the cover and box.

The box-body *a* is provided at each corner of its outer side and closely adjacent its upper edge with a stay *b*, each stay being made of cloth or paper having a coating of abrasive material on its outer side, such as sand or emery, the inner or uncoated side of each stay being cemented to the box and extending a short distance in opposite directions from each corner. The cover *c* is fitted tightly over these stays onto the box-body, and as there is a strong frictional engagement between the inner sides of the cover and the stays *b* the cover will be securely held in place. The action of the stays in holding the cover in place is particularly effective if pressure is applied to the middle portion of the inner side of the cover, as the bending of the cover causes its corner portions to grip the roughened surface of the stays all the more closely. Preferably the cover fits tightly over the rough-surfaced stays, yet it will be held in place even if it fits somewhat loosely. The cover is most easily removed by simply pressing the sides of the box-body inwardly at each side of one of the corners, thus drawing the adjacent corner portions inwardly, as illustrated in Fig. 2, and moving the holding-stays thereon out of frictional contact with the adjacent corners of the cover.

With the above-described means the cover is firmly held in place under all ordinary conditions, while it may be readily removed and replaced. The stays coated with abrasive material may be easily applied to the box with an ordinary box-staying machine.

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

In combination with a rectangular-shaped cardboard box, having a cover with edges fitting over the sides of the box, a series of stay-strips interposed between said overlapping parts, one extending about each corner of the box, each stay-strip having a coating of abrasive material secured to one side thereof, bearing against the surface of one overlapping part, and having its opposite side secured to the surface of the other overlapping part, whereby a strong frictional engagement is provided between said parts, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CORNELIUS G. BLACK.

Witnesses:
LOUIS H. HARRIMAN,
GEORGE H. W. HAYES.