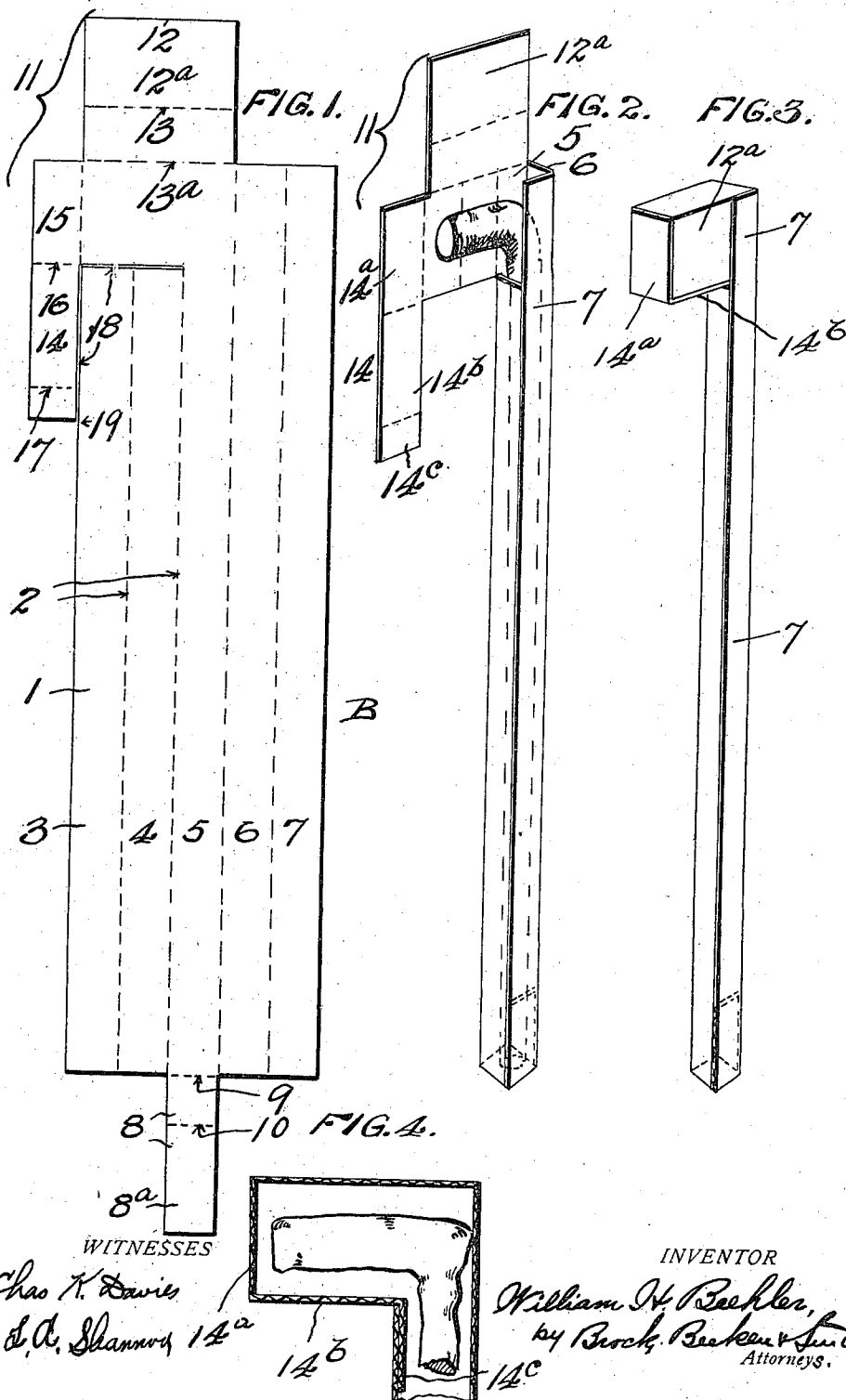


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BOX FOR UMBRELLAS, CANES, &c.
APPLICATION FILED NOV. 3, 1908.

963,351.

Patented July 5, 1910.



UNITED STATES PATENT OFFICE.

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963,351.

Specification of Letters Patent.

Patented July 5, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM H. BEEHLER, a citizen of the United States, and resident of the city of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Boxes for Umbrellas, Canes, &c., of which the following is a specification.

My invention relates to boxes for holding umbrellas, canes, etc., having angular or L-shaped handles, and to the blanks from which such boxes are formed.

In packing umbrellas having L-shaped handles for shipment they have heretofore generally been placed in boxes whose width for their whole length is equal to the length of the umbrella head. Since the body of the umbrella is relatively very small a very large part of the space of the box is wasted and the material forming the unused part of the box represents an useless expense.

The object of my invention is to provide a box properly shaped to inclose an umbrella or cane having an L-shaped head and which will closely fit the cane or other article so that there is practically no waste material in the package.

In carrying out my invention, I construct a box having a relatively long body portion to receive the body of the closed umbrella or the shaft of the cane and I provide this body portion of the box at one end with a lateral extension forming an inclosure continuous with the body of the box to receive the L-handle of the angular head of the cane or umbrella.

Incidentally to the main object of my invention, I provide a novel blank cut and creased so that it may be shaped to form a box having the characteristics described.

The foregoing and other characteristics and advantages of my invention are hereinafter more fully described in connection with the accompanying drawing which shows exemplifying structures embodying the invention.

It is to be understood that the invention is capable of embodiment in various forms.

Figure 1 is a view of the blank from which the box is formed, Fig. 2 is a view of the box with the body portion completed, the head or L-portion being left flat, Fig. 3 is a view of the complete box with the head folded, Fig. 4 is a section through the head

and a part of the body showing an umbrella head in position therein.

In carrying out the invention in one advantageous form I first form a blank B, as shown in Fig. 1, of corrugated paper board or other suitable material. The blank comprises a substantially rectangular body portion 1, provided with a plurality of longitudinal creases 2. In the form shown there are four creases dividing the blank body into five strips so that it may be folded up to form a box body of square section in which one of the edge strips 3 overlies the other edge strip 7. The intermediate strips are numbered 4, 5, and 6, respectively. At one end the blank is provided with an extension 8 of the same width as and extending from any convenient one of the strips of the body portion. Extension 8 is provided with transverse creases 9 and 10, by which it may be bent to form an end closure for the box as will later appear. At the opposite end the body is provided with an extension 11 comprising a rectangular portion 12 extending from strips 3, 4 and 5 and provided with a transverse crease 13 and another rectangular portion 14 extending laterally from the body of the blank and provided with a longitudinal crease 15 in line with the adjacent edge of the blank body and transverse creases 16, 17. A right angle cut 18 is made in the blank extending from the point 19 where extension 14 joins the body to the intersection of creases 15 and 16 and thence extending transversely of the blank to the creases between strips 4 and 5 of the body.

Blanks constructed as described may be folded up at the place of use to form a closure for umbrellas and similar articles of the class contemplated by my invention and may be secured about the umbrella by tying or in any other suitable manner. These blanks so far as I am aware constitute a new article of manufacture and are one of the subsidiary novel features of my invention.

When a blank such as described in connection with Fig. 1 is to be used, the body portion is folded along the longitudinal creases in the shape shown in Fig. 2 and if desired it may be permanently held in this position by gluing strip 3 to strip 7. The lower end extension 8 is folded on its trans-

verse creases so that its end portion 8^a lies within the box body and against one of the sides where it may be left unconnected or glued as may be desired. A long relatively small box body is thus formed suitable to receive and closely fit the shaft of a cane or body of an umbrella. In making up the box in some cases it is desirable only to complete the body portion as shown in Fig. 2, leaving the extension 11 designed to form the head of the box flat. The user when it is desired to ship an umbrella places it in the box in the position shown in Fig. 2 and then completes the inclosure by bending portion 14 on the lines 15, 16 and 17 and inserting the end 14^c of said portion, turned down, within the body as clearly shown in Fig. 4. The portion 12 is then bent along creases 13, 13^a and the end portion 12^a is either laid flat over the remaining open side of the head of the box or is inserted under the upper end of strip 7 as shown in Fig. 3. By so inserting the portion 12^a the head portion of the box is held closed without gluing or any other special fastening.

It will now be evident that the user instead of receiving the box in the partially completed condition in which it is shown in Fig. 2 may employ the blank of Fig. 1 and bend it up to form a box at his convenience and may secure it around the umbrella or cane by tying instead of having the parts permanently glued or otherwise secured together. A great many boxes in the blank form may be conveniently stored and shipped in a small space. In other cases it is desirable to partly complete the box as shown in Fig. 2 and when so partly completed they still occupy a small space. When the box body is permanently secured in position as shown in Fig. 2, the head portion may be rapidly completed in the manner above described to form a complete closure for the umbrella or cane and when it has been put together in the manner shown in Fig. 3 the head portion holds itself closed.

While I have shown certain specific forms of blank and box construction they may be considerably changed in practice and I contemplate any changes which may be made within the scope of my invention.

The drawing shows how my umbrella box accommodates an umbrella or cane in which a portion of the handle extends at substantially a right angle to the shaft. It will be evident that a similar box will accommodate an umbrella head having a looped or other handle in which a portion extends laterally in relation to the shaft. Different

shaped handles may be accommodated if necessary by changing the shape of the L portion of the box.

I claim:

1. A paper box-blank comprising a body portion having several longitudinal creases so that it may be bent to form a relatively long box-body of angular cross-section and provided at one end with an enlarged portion cut and creased so that it may be bent to form an L of angular cross-section continuous with the aforesaid body and substantially at a right angle thereto.

2. A box-blank of corrugated paper-board comprising a body portion having several longitudinal creases so that it may be bent up to form a relatively long box-body and provided at one end with an extension to form an end closure and provided at the other end with an enlarged portion cut and creased so that it may be bent up to form a hollow L continuous with the aforesaid box body substantially at a right angle thereto.

3. A paper box comprising a long straight body portion of relatively small cross-section and a shorter portion joined to the long portion at one end at substantially a right angle; the whole being adapted to closely inclose an umbrella having an L-shaped handle.

4. A box for umbrellas or the like having L-shaped handles, formed of paper bent up to form a long body portion of polygonal cross-section and a head portion of polygonal cross-section joining the body portion at right angles, the head portion being provided with a member which may be opened to admit an umbrella or the like and thereafter closed.

5. A box-blank of corrugated paper board constructed and arranged to be bent up to form an inclosure for an umbrella or similar article having a handle portion extending laterally from the shaft, including a substantially rectangular body portion provided with a plurality of parallel longitudinal creases, an extension at one end of the body portion adapted to form a bottom end closure, and an extension at the opposite end of the body portion cut and creased in straight lines so that it may be bent up to form a head end closure of polygonal cross-section joining the body portion of the completed box substantially at a right angle.

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Witnesses:

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