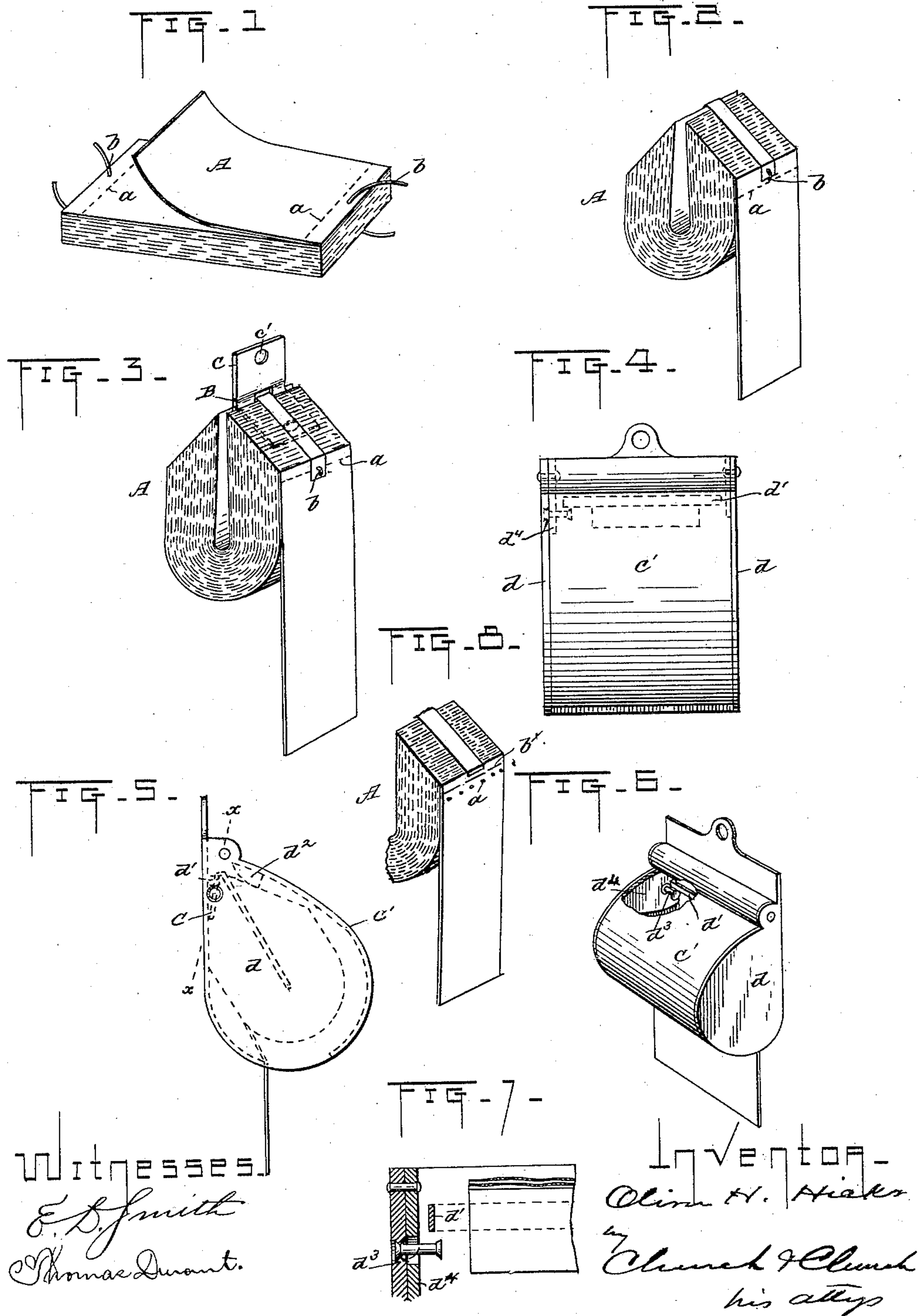


(No Model.)

O. H. HICKS.  
PACKAGE OF TOILET PAPER.

No. 468,534.

Patented Feb. 9, 1892.





# UNITED STATES PATENT OFFICE.

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## PACKAGE OF TOILET-PAPER.

SPECIFICATION forming part of Letters Patent No. 468,534, dated February 9, 1892.

Application filed March 27, 1886. Serial No. 196,800. (No model.)

*To all whom it may concern:*

Be it known that I, OLIVER H. HICKS, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful  
5 Improvements in Packages of Toilet-Paper; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification,  
10 and to the letters of reference marked thereon.

This invention relates to certain improvements in bundles of toilet-paper and the fixtures therefor, as described in my patent, No. 309,717; and it consists in the novel construction of a bundle or package of toilet-  
15 paper or other flexible material, wherein the sheets are connected together and bent or folded upon a stiffening-piece, which latter is provided with a hinged piece at the top for  
20 sustaining the bundle or package, whether said hinged portion is formed or provided with a suspension device or not.

The invention further consists of an improved form and construction of fixture for the reception of the bundles or packages, as  
25 well as minor improvements in the construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

30 In the accompanying drawings, Figure 1 is a view in perspective of my improved package preparatory to folding. Fig. 2 is a similar view showing the manner of folding the package. Fig. 3 represents the folded pack-  
35 age with stiffening-piece applied thereto. Figs. 4 and 5 are front and end views, respectively, of the improved fixture. Fig. 6 is a view in perspective of the fixture, and Fig. 7 a sectional view thereof on line  $x x$ . Fig. 8  
40 illustrates a modified form of fastening.

Similar letters of reference in the several figures indicate the same parts.

The letter A designates a bundle or package composed of a number of sheets of paper  
45 or other flexible material superimposed one upon another to form a bundle of the required form and dimensions, each sheet being connected to the next succeeding and preceding sheets, but at different points in  
50 its length, by a detachable fastening—such

as weak gum—of less strength than the material composing the sheets, and which will permit the sheets to be readily separated by a slight pull, but is of sufficient strength to  
detach the next sheet from a fastening  $b$ , 55 uniting the ends of all the sheets and raise said detached sheet or a portion thereof from the face of the bundle, so that it can readily be grasped when the first sheet is removed and detached, all as described and claimed in  
60 my divisional application, Serial No. 275,227, filed May 26, 1888.

The fastening, which engages both ends of all the sheets, may be applied in the form of a wire, pin, or equivalent fastening  $b$ , passing  
65 through each sheet above or beyond the detachable connection  $a$ , in which case the sheets are weakened by the insertion of fastening  $b$  to such an extent as to readily yield  
70 and be torn loose when the sheet is drawn away or at an angle; or the sheets forming the package may be united at the ends by glue or by a strip attached, as shown in Figs. 2 and 3; but in such cases, when the wire is omitted, as illustrated in Fig. 8, it is advisable  
75 that the sheets be weakened, as by notches or perforations, (indicated at  $b^x$ , Fig. 8,) at some point near or between the end and the detachable fastening, to thereby facilitate the release or tearing off of the sheets, as is done  
80 by the wire in the example illustrated.

The package prepared as described, and illustrated in Fig. 1 is bent or folded upon itself, as indicated in Fig. 2, and the ends are secured to a stiffening-piece B, preferably  
85 by means of the fastening wire or strip  $b$ , as shown in my prior patent, No. 309,717. Instead, however, of forming this stiffening-piece B with a hook, as illustrated in my said patent, I provide it on its upper edge with a  
90 piece  $c$ , hinged to the stiffener B or other supporting device for the package, so that said hinged portion can be folded down upon the end of the package or bundle in packing the  
95 latter for shipment. Moreover, by employing the articulated or hinged portion at the top of the package and providing it with a suitable suspension device—such as a hole  $c'$ —the package can readily be supported or hung  
100 from a nail, string, or other similar contriv-



ance, dispensing with a specially-prepared holder. The hinge referred to may conveniently be formed of pasteboard or other material, united by flexible strips to one or both  
5 faces of the stiffening-piece.

As one of the objects of my present invention is economy as well as convenience in the use of the paper, I have devised a means for promoting the first of these objects in the form of  
10 a fixture adapted to hold the bundles or packages of folded material, such as described, whereby when the bundle is once properly inserted it cannot conveniently be removed until all the sheets composing the package  
15 have been withdrawn. Such a fixture is represented in Figs. 4, 5, 6, and 7, and it consists, essentially, of a frame C, provided with means for securing it to the wall or other support and furnished with end plates *d* inclosing the ends  
20 of the bundle. On the inner face of the frame C is formed or attached a clip or projection *d'* to receive and hold the hinged portion or other suspension device attached to the bundle. A movable or removable cover C' is fitted over  
25 the front of the frame C, the two when joined forming a case adapted to contain a bundle or package and having an opening at or near the lower end for the escape or protrusion of the free ends of the sheets as they are suc-  
30 cessively withdrawn from fastening *b*. Attached to or moving with the cover is a lug or projection *d''*, which, when the cover is in closed position, prevents the package contained within the case from being raised suf-  
35 ficiently to withdraw the suspension device from engagement with the clip *c* by which the bundle is held, so that a package can neither be inserted nor removed so long as the cover remains in closed position.

40 The cover C', which, as before described, is movably or removably connected to the frame C, is securely held when desired by a suitable locking device—such, for example, as a pin *d'''* projecting through a socket or recess in the  
45 end flange or projection *d''* on the cover and engaging a portion of the frame C. This pin is upset or provided with a head or projecting portion at each end to prevent its entire withdrawal, and when placed in position to  
50 lock the cover its outer or exposed end is concealed within and protected by the frame, so that it cannot readily be taken hold of or withdrawn, while the inner end of said pin is projected within the case in line with the  
55 hinge or attaching device of the bundle, and the arrangement is preferably such that the inner end of said pin will be projected behind the bundle when the latter is suspended in the fixture. My object in thus placing the  
60 lock so it will be practically inaccessible from without or within is to prevent the opening of the fixture while the bundle is in position. When the paper is all withdrawn, the cover

can be unlocked by the insertion of the hand or an instrument for retracting the bolt. 65

To facilitate the unlocking of the cover the bolt is located in line with or in position to be engaged by the stiffening-piece or suspension device when the latter is moved later-  
ally, as it can be when the supply or paper has  
70 been exhausted, and in order to prevent the retraction of the bolt in this way until the sheets forming the bundle have been nearly or quite all withdrawn the sheets composing the package are made greater in width than  
75 that part of the suspension device or stiffening designed to actuate the bolt, whereby the stiffening-piece or suspension device is held removed from the bolt by the contact of the end of the package with the wall of the case. 80

Having thus described my invention, what I claim as new is—

1. A fixture for toilet-paper, such as described, provided with a clip or suspension device to sustain the package, a movable lid  
85 or cover confining the package upon the suspension device when the lid is closed, and a link or bolt securing the lid in position to prevent the removal of the package, substantially as described. 90

2. In a fixture for toilet-paper, the combination, with the clip or suspension device upon which the package is hung and the movable lid engaging the package to prevent its removal while the lid is closed, of a bolt for  
95 holding the lid or cover projecting within the fixture and in rear of the bundle, substantially as described.

3. In a fixture for toilet-paper, such as described, the combination, with a package of  
100 toilet-paper arranged to present one sheet at a time at the opening, means for supporting the bundle or package, a slot or opening for the passage of the free ends of the sheets composing the package, and a movable cover  
105 or lid for confining the package of paper in position when closed and a locking device for securing said lid, substantially as described.

4. In a fixture for toilet-paper, such as de-  
110 scribed, provided with a movable cover or lid, and a clip or support to receive the suspension device or hinged portion of the package, the combination of a movable bolt for locking the lid in position, said bolt projecting  
115 within the fixture in line with the suspension device on the package, as set forth, whereby when the paper is removed the bolt can be projected to release the cover by moving the suspension device remaining in the fixture, 120  
substantially as described.

OLIVER H. HICKS.

Witnesses:

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J. W. DYRENFORTH.