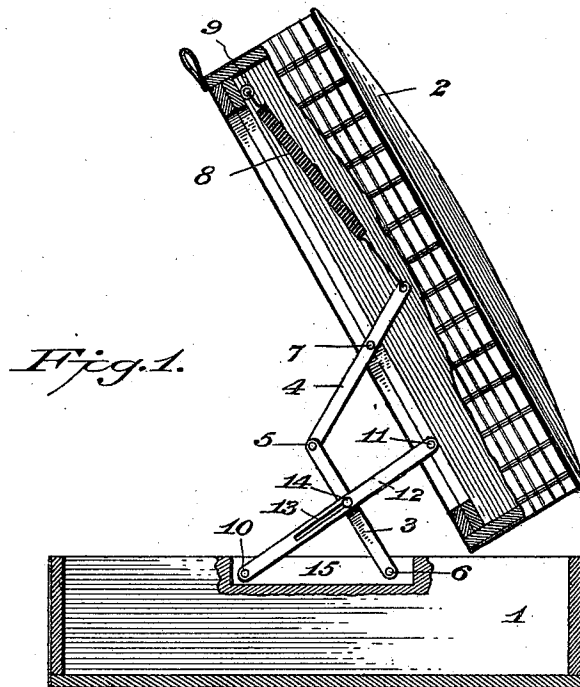
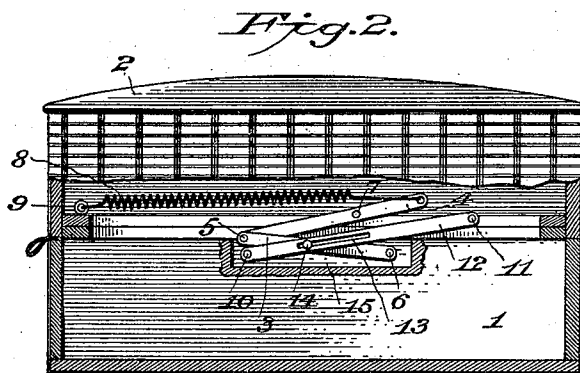
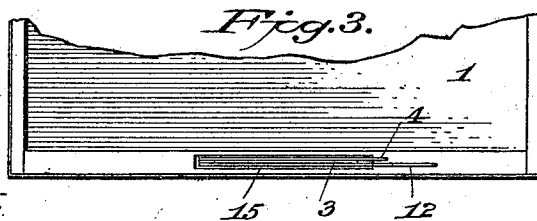


No. 683,887.

Patented Oct. 1, 1901.

G. E. BEDELL.
BOX COUCH OPENER.
(Application filed Mar. 30, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE EDGAR BEDELL, OF HERKIMER, NEW YORK, ASSIGNOR TO ARTHUR C. MOSES, OF WASHINGTON, DISTRICT OF COLUMBIA.

BOX-COUCH OPENER.

SPECIFICATION forming part of Letters Patent No. 683,887, dated October 1, 1901.

Application filed March 30, 1900. Serial No. 10,863. (No model.)

To all whom it may concern:

Be it known that I, GEORGE EDGAR BEDELL, a citizen of the United States, residing at Herkimer, in the county of Herkimer, State of New York, have invented new and useful Improvements in Box-Couch Openers, of which the following is a specification.

My invention relates to openers for box-couches, and has for its object certain improvements in that class of openers wherein the rear edge of the lid is brought forward as the latter rises.

My invention is peculiarly, though not necessarily, applicable to the construction disclosed in Letters Patent No. 676,215, granted to me June 11, 1901, wherein the actuating-springs are located and concealed within the couch-lid, the present device being applied to the two-part lifting-levers therein shown and operating in combination therewith to bring the rear side or edge of the lid forward as the front side of the latter rises. This object I accomplish in the manner and by the means hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical transverse sectional view of a box-couch having my improved construction therein, the couch-lid being shown raised and the interior end of the couch being broken away to disclose the mechanism. Fig. 2 is a similar view showing the lid closed. Fig. 3 is a top plan view of one end of the body portion of the couch, showing the lid-lifting mechanism therein, the lid and lifting-spring being removed.

Similar numerals of reference denote corresponding parts in the several views.

In the said drawings the reference-numeral 1 denotes the body portion, and 2 the upholstered lid of the couch, the said parts being of the usual construction. A lever, consisting of two arms 3 and 4, pivoted together at 5, forms the means for aiding in raising the lid 2, the arm 3 being pivoted at its lower end at 6 in the body portion 1, while the arm 4 is pivoted intermediate its length at 7 to the lid 2 and has attached to its upper free end a coiled spring 8, running forward and attached at its other end to the lid 2 at 9, as shown. Also pivoted to the body portion 1 and lid 2

at the points 10 and 11, respectively, is what I term a "guiding-lever" 12, the same being slotted intermediate its length at 13 to receive a stud 14 on the arm 3 of the lifting-lever. 55

From the above description it will be seen that the construction and arrangement of the lifting-lever and the spring 8 are the same as that disclosed in my application hereinbefore referred to—that is to say, said spring occupies a partially-inactive position with respect to the lid when the latter is closed and is adapted to increase its lifting tension thereon as said lid is raised. It will be observed, however, that as there is no hinged connection between the body portion and the lid when the front side of said lid is raised manually and the arm 3 of the lifting-lever moves toward a vertical position its stud 14, engaging in the slot 13 of guiding-lever 12, causes the latter to lift the rear side of the lid 2 bodily, and as the distance between the pivotal points 10 and 11 of said lever 12 is fixed said rear side of the lid will be drawn forward, so that the upholstered portion will at no time project to the rear of the couch-body, thus enabling the lid to be raised without moving the couch away from the wall of the room, where they are usually located. 65 70 75

By referring to Fig. 3 it will be observed that the end board of the body portion 1 of the couch is slotted at 15 to receive the lower portions of the actuating-levers, so that the pivot-points 6 and 10 will not be visible and an absolutely unobstructed interior afforded for the body portion. The pivot-points 7 and 11 and the spring 8 are also completely concealed from view in the lid by the muslin or other covering for the under side of the lid usually employed in these articles. 80 85 90

While I have shown and described but one set of levers and spring, it will of course be understood that such mechanism is duplicated at the other end of the couch, as is usual in devices of this character. 95

While I have described my present construction as an improvement over that disclosed in my Letters Patent hereinbefore referred to, wherein the spring 8 is connected to the upper end of the arm 4, still I do not wish to limit myself to such construction, as it is apparent that the said spring may be lo- 100

cated in the body portion of the couch, as will be readily understood.

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

1. In a box-couch, the combination with the body portion and the lid thereof, of a lifting-lever pivoted to the body portion and to the lid and formed of two parts pivoted together, and a guiding-lever also pivoted to the body portion and to the lid and having a movable connection with the lifting-lever, substantially as set forth.

2. In a box-couch, the combination with the body portion and the lid thereof, of a lifting-lever pivoted to the body portion and to the lid and formed of two parts hinged together, a guiding-lever also pivoted to the body portion and to the lid and having a movable connection with the lifting-lever, and a spring occupying a partially-inactive position with respect to the lid when the same is

closed and adapted to increase its tension thereon as the latter is raised, substantially as set forth.

3. In a box-couch, the combination with the body portion, and the lid thereof, of a lifting-lever pivoted to the body portion and to the lid and formed of two parts pivoted together, and a guiding-lever also pivoted to the body portion and to the lid and having a slotted engagement intermediate its length with the lower arm of the lifting-lever, whereby the upward movement of the latter carries with it the rear end of said guiding-lever and the rear edge of the couch, substantially as set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE EDGAR BEDELL.

Witnesses:

PERCY B. HILLS,

ALLAN W. FOOSE.