

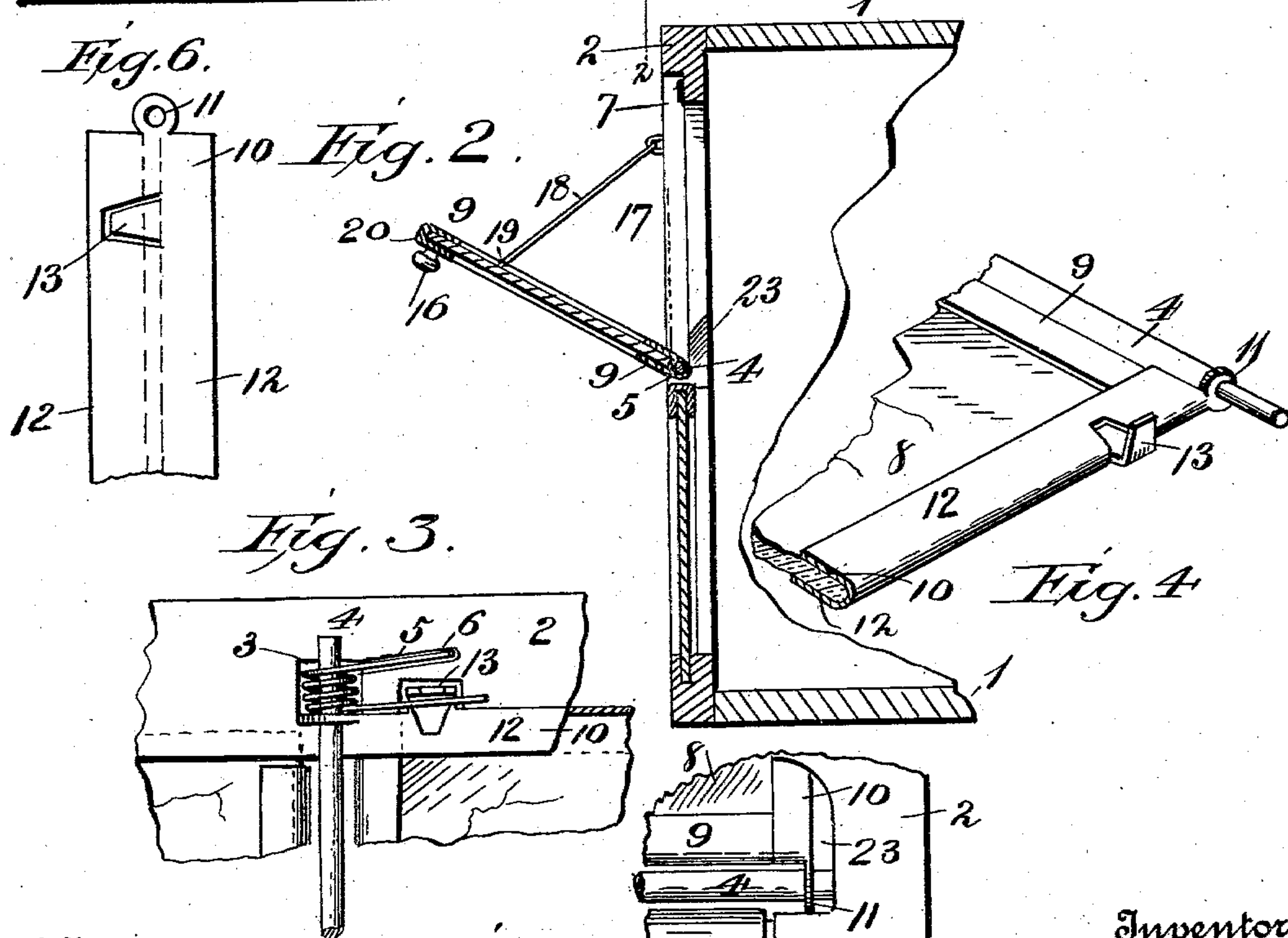
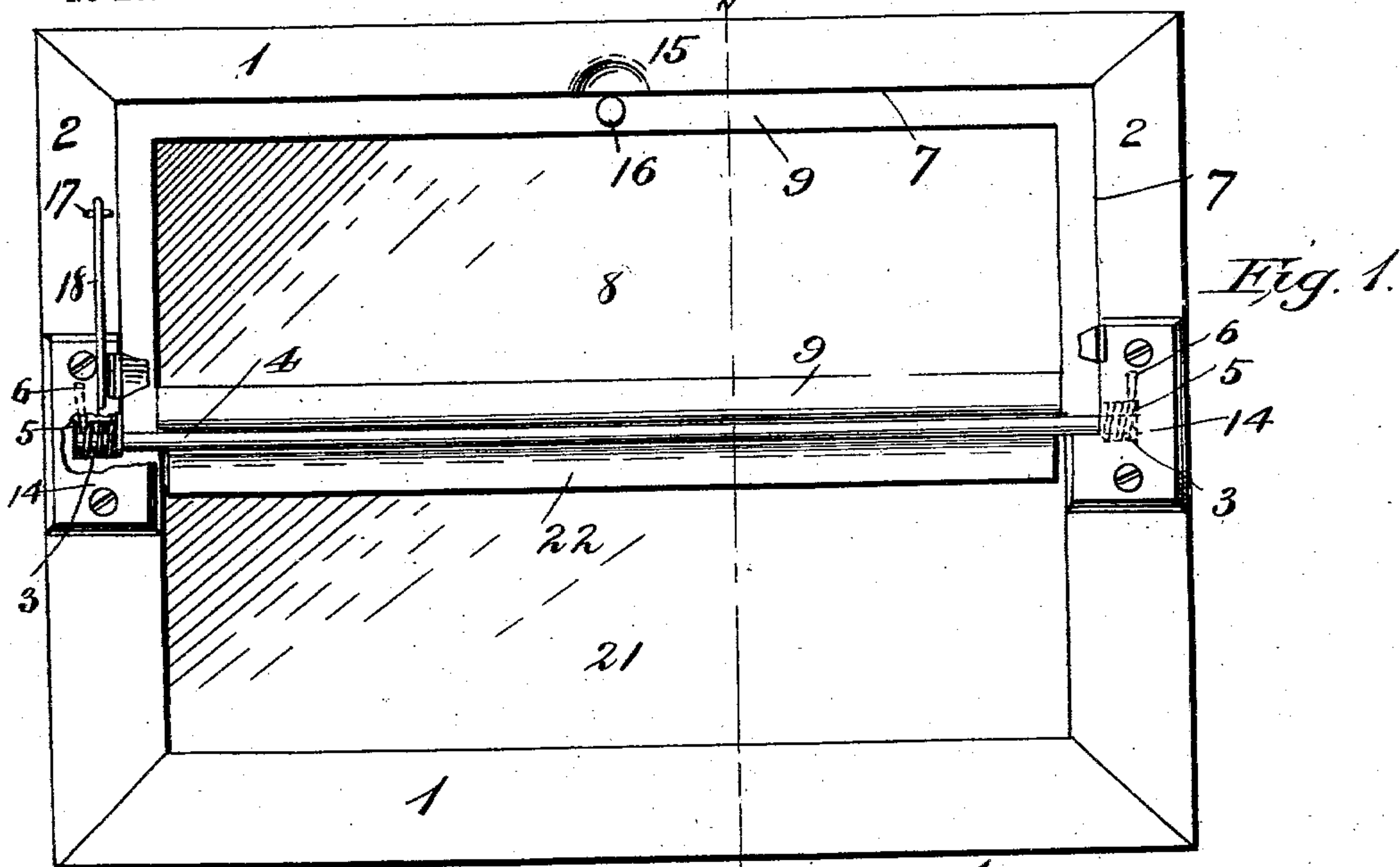
No. 740,647.

PATENTED OCT. 6, 1903.

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SHOW BOX LID.

APPLICATION FILED JUNE 30, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## SHOW-BOX LID.

SPECIFICATION forming part of Letters Patent No. 740,647, dated October 6, 1903.

Application filed June 30, 1903. Serial No. 163,782. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. HARRISON, a citizen of the United States, residing at Pine Bluff, in the county of Jefferson and State of Arkansas, have invented certain new and useful Improvements in Show-Box Lids; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention is a show-box lid or cover, and is designed to be attached to the top or side of a box containing goods to be shown therein and retained therefrom, but is more especially designed to be used in connection with cracker-boxes.

The purpose of the lid is to furnish the trade with a cover that may be used on the top or side of the box sufficiently close and tight to keep out dust, insects, or vermin of any kind, to display the goods at best advantage, and at the same time be readily and easily opened and shut and to remain shut when closed.

In the accompanying drawings, Figure 1 is a face elevation of my invention. Fig. 2 is a vertical cross-section of Fig. 1 on the line 2<sup>2</sup>. Fig. 3 is a sectional view showing a section broken out of the said lid, showing part of the rod, the spring, the end-binder and spring-holder, and part of the frame. Fig. 4 is a detailed perspective view showing the end-binder and spring-holder, part of the glass, and part of one of the edge-binders. Fig. 5 is a detailed view showing a portion of the frame cut away, leaving an opening in the rear part of the frame at each end of the door of the lid. Fig. 6 is a face view of one of the end-binders, hinge, and spring-holder.

My invention is described as follows:

1 represents the side pieces of the frame, and 2 represents the end pieces of the frame. About midway the end pieces and in their front sides are cut horizontally, one in each, two grooves to receive the ends of a cylindrical rod 4, which runs nearly the entire length of the frame, their said ends journaled

in said grooves. Fitting around said ends and in said grooves, one in each groove, are two coil-springs 5. One end of each of said coil-springs fits in a small vertical depression 6 in the end pieces of said frames. In the upper part of the said frame and in the front face thereof is a depression or recess 7, which runs the entire length of the frame and down to the cylindrical rod 4, and fitting in said depression is a plate 8, of glass or other transparent substance. The said plate is bound on its side edges by strips of metal binding 9. The ends of said plate are bound with a strip of metal 10, comprising a perforated hinge-bearing 11, binding-sides 12, and a spring-holder 13, being a tongue cut out of said strip, the base uncut and being integral with one side of said strip, wherefore I have denominated it the combined "binder, spring-holder, and hinge."

The cylindrical rod 4 has its ends slightly reduced to form shoulders for the eyes 11; but it (the rod) may be the same size its entire length, and the eyes may work against the inner walls of the recess 7.

The combined binder, spring-holder, and hinge are bound one on each end of the plate 8, their hinge portions 11 working around the ends of the cylindrical rod 4, their tongues 13 bent upwardly to receive the ends of the spiral springs 5. One end of each of said springs is so set as to hold the said door closed. The other end of each of said springs fits in depressions 5 in the end pieces of said frame and are held down by strips 14, which fit over the said depressions 3 and 6 and over the ends of the cylindrical rod 4 and the spring 5 and hold them all firmly in place.

In the lower edge and front face and midway the upper part of the frame-piece is a depression or recess 15, and immediately under said depression and secured to the upper binding 9 of the plate 8 is a knob 16. The purpose of the depression and knob is to facilitate in opening and closing the door.

Hinged in a staple 17 in one of the end pieces of the frame and near its top end is a rod 18, the free end being adapted to fit in a slight depression 19 in the inner face of the lid, which I have marked for general description



20. The purpose of this rod 18 and depression 19 is to hold the door open when it is desired to do so.

In the lower part of the frame is secured another plate, 21, of glass or other transparent matter, the upper edge of which is bound with metal binding 22 to keep it from breaking.

The metal strip 14 is left off of Fig. 3 to enable me the better to show the arrangement of the depression 3, the cylindrical rod 4, and the spring 5 and the tongue 13.

The rear face of the frame is cut away at the lower corners of the door, leaving openings 23, exposing said corners, so that when the door is open in whole or in part any dust, broken crackers, or the like that fall down against the door will pass through said openings 23 and down into the lower part of the box.

The fit of the lid is so complete and neat and the lower binding of the door and the binding of the lower plate fit so neatly against the rod 4 that nothing can get in or out of the box.

I have said that the two plates 8 and 21 are bound with metal; but they may also be bound with wood or other suitable material, and when bound with wood the strip of metal 10 need be no wider than the binding is thick, the sides 12 being cut away except leaving tongues in their stead to turn over the faces of the wood binding.

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

1. A box-lid, consisting of a frame having in its end pieces and front face, depressions 3, a cylindrical rod 4 having its ends resting in said depressions; springs 5, one working around each end of said rod and in said depressions, the upper part and front side of said frame provided with a recess 7; a transparent plate 8, bound on its upper and lower edges; combination binders, hinges and spring-holders, one bound on each end of said plate, their hinge parts 11, surrounding said rod, whereby the said parts denominated door 20 is hinged in place, the spring-holders 13, holding, each, one end of the springs 5;

plates 14, secured over said depressions and springs, holding the other ends of said springs and rod down and in place; a transparent plate secured in the lower part of said cover; a binder 22, binding the upper edge of said plate, substantially as shown and described and for the purposes set forth.

2. A box-lid, consisting of a frame having in the rear faces of its end pieces, openings 23, in the front face of its upper piece, a recess 15 and in the front face of its end pieces, depressions 3; coil-springs, resting in said depressions; a cylindrical rod, having its ends working in said coil-springs; strips 9, binding the lower and upper edges of a transparent plate 8; combination binders, spring-holders and hinges, one binding each end of said plate, their eyes 11, working around the said cylinder; spring-holder tongues 13, holding one end of said springs up, and plates 14, holding the other end of said springs down; a transparent plate, secured in the lower part of said frame, substantially as shown and described and for the purposes set forth.

3. A box-lid, its frame substantially square and having in its upper piece and front face a depression 15, and in its end pieces and rear faces, openings 23 and depressions 3, in the front faces of its end pieces and about equidistant from each end; a cylindrical rod, working in said depressions; a coil-spring working in each of said depressions around said rod; a bound transparent plate hinged to said rod; spring-holders 13, secured to the binding of said plate and holding one end of each of said rods up; plates 14, secured over said coil-springs and holding the other ends of said springs down; a plate 21, secured in the lower part of said lid, substantially as shown and described and for the purposes set forth.

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

WILLIAM D. HARRISON.

Witnesses:

HUNTER H. KNOX,  
EVA KAUFMAN.