

(No Model.)

S. S. GOLDMAN.
COVER FOR BOXES.

No. 420,196.

Patented Jan. 28, 1890.

Fig. 1.

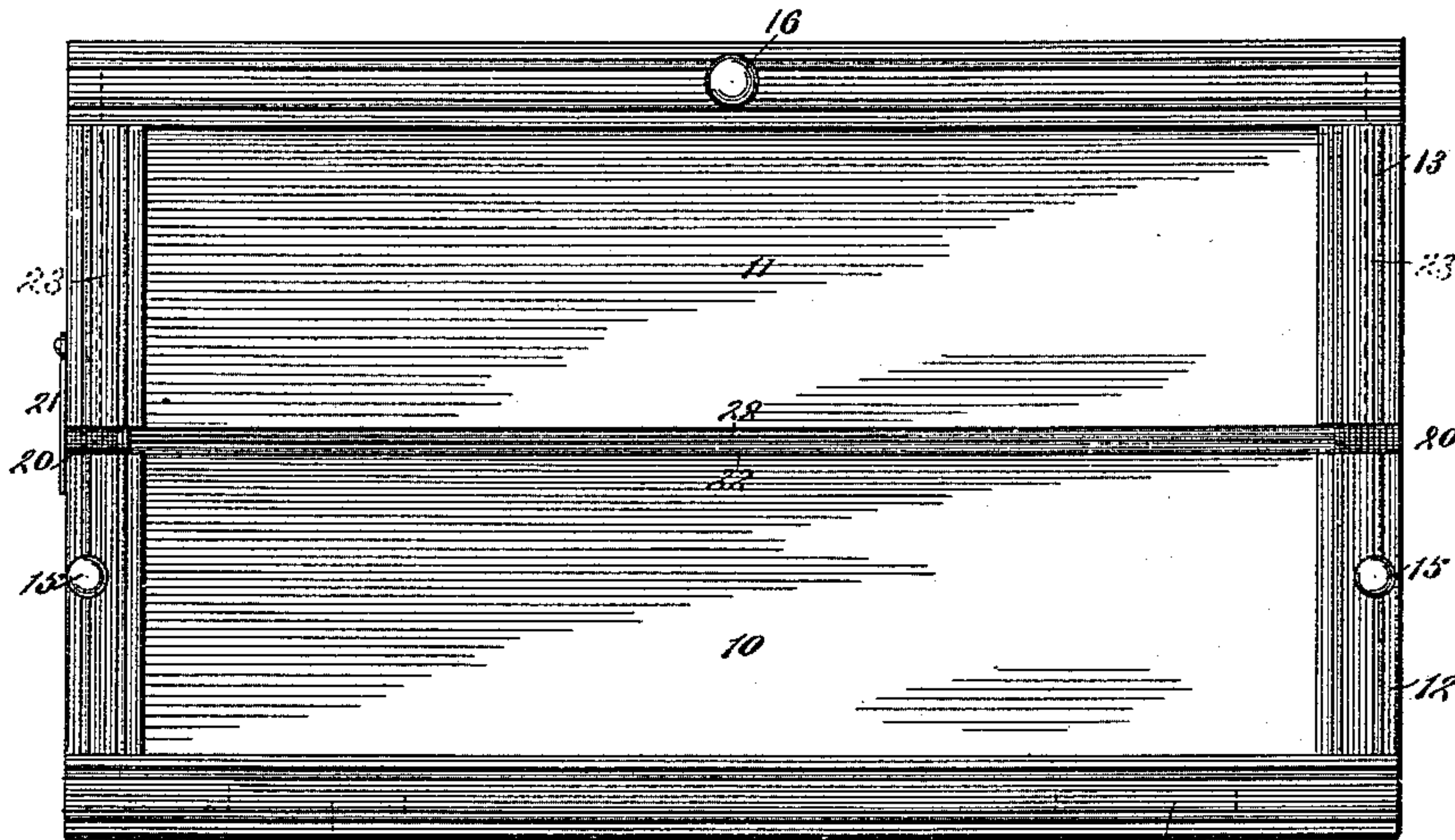


Fig. 2.

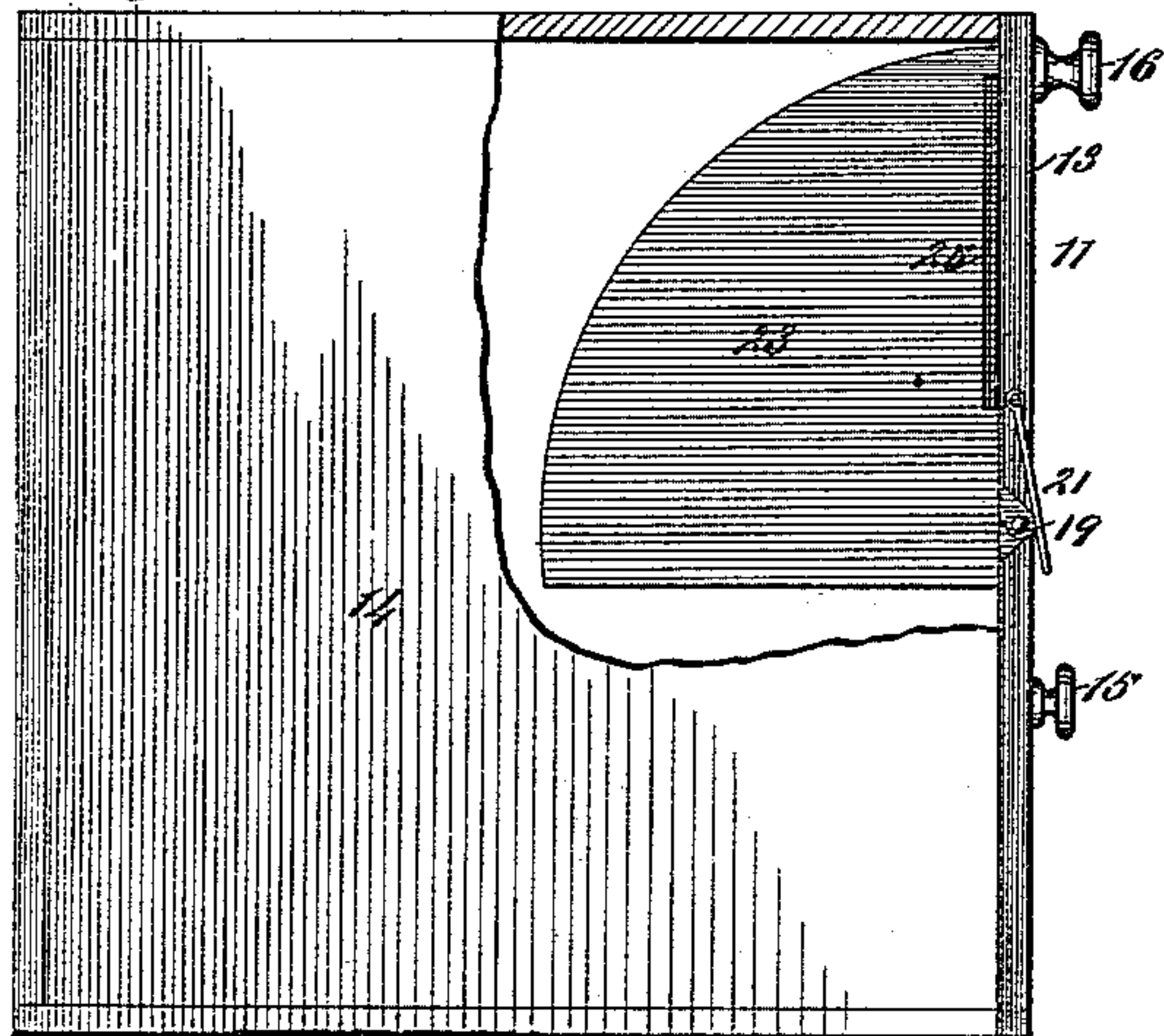


Fig. 4.

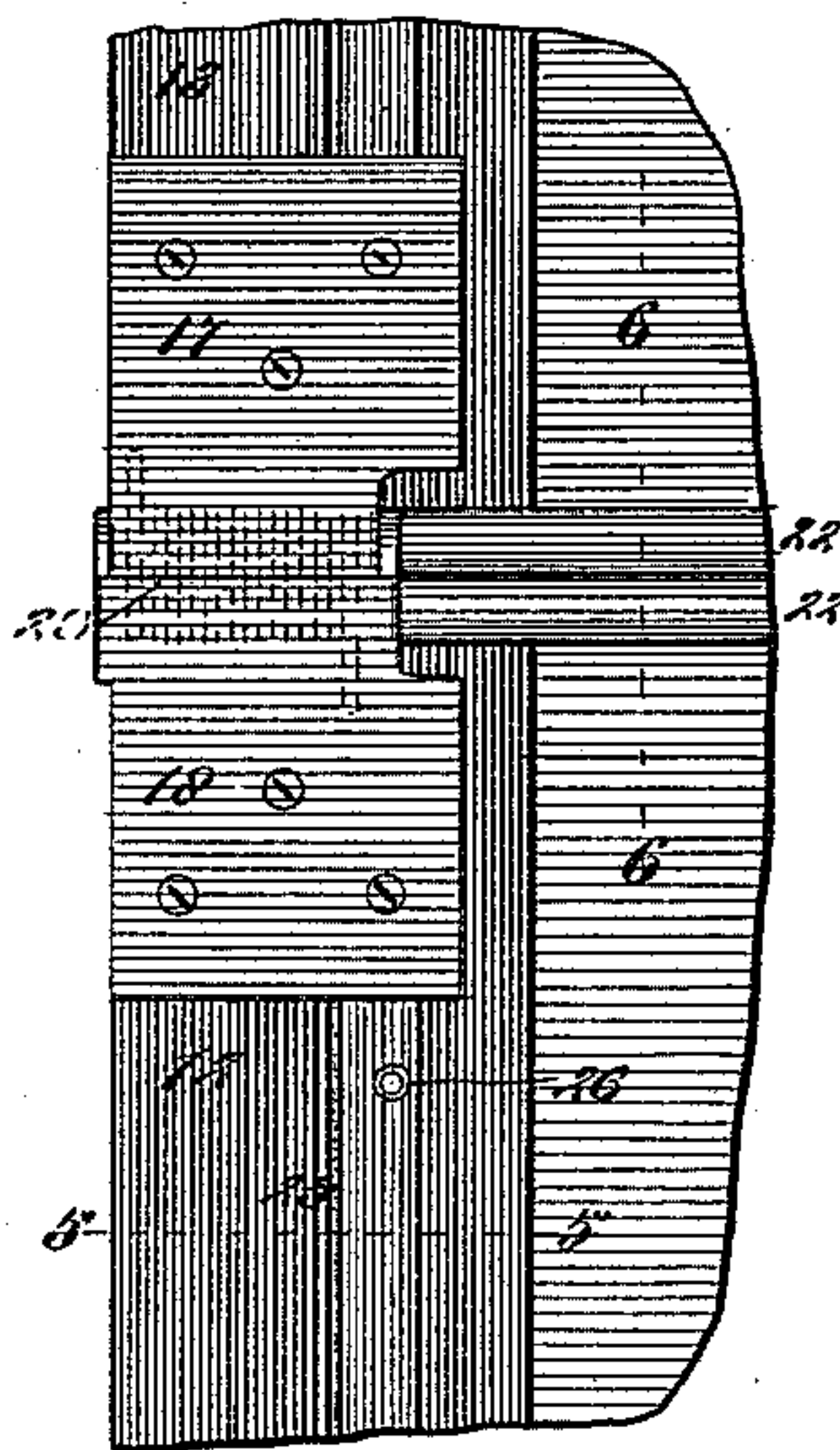


Fig. 3.

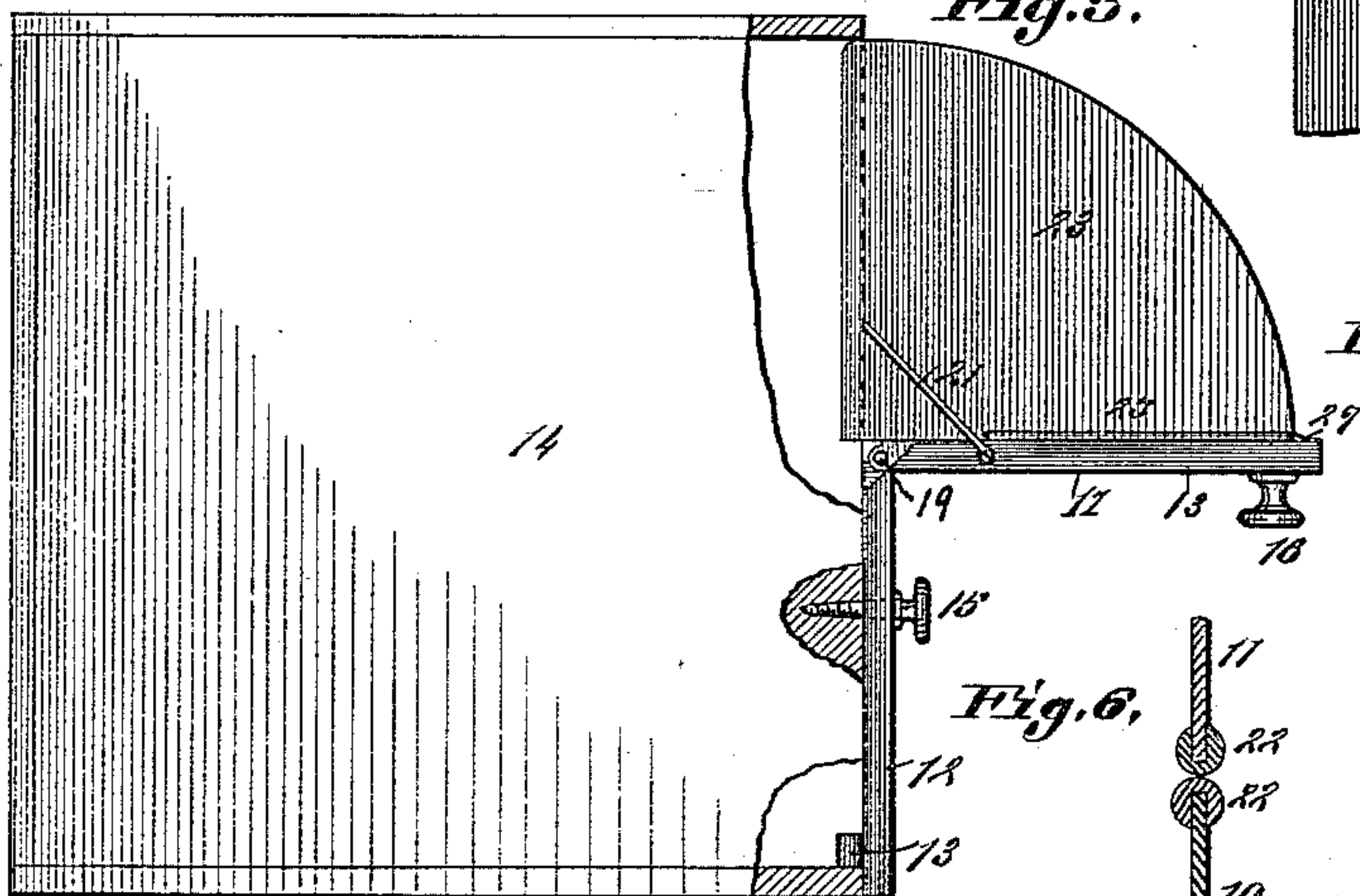


Fig. 5.

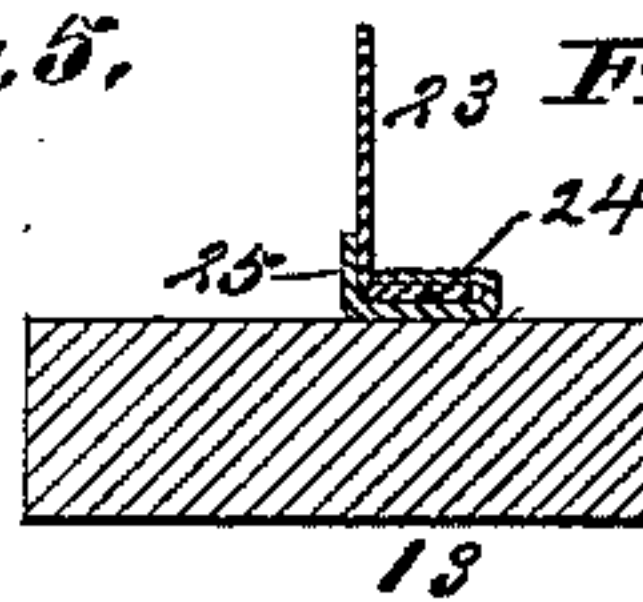


Fig. 9.

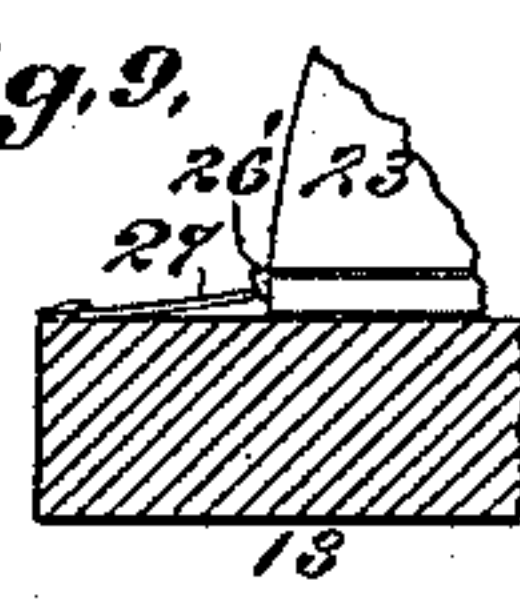


Fig. 6.



Witnesses:
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UNITED STATES PATENT OFFICE.

SAMUEL S. GOLDMAN, OF ST. LOUIS, MISSOURI, ASSIGNOR TO LEWIS D. DOZIER, OF SAME PLACE.

COVER FOR BOXES.

SPECIFICATION forming part of Letters Patent No. 420,196, dated January 28, 1890.

Application filed September 4, 1889. Serial No. 322,970. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. GOLDMAN, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Covers for Boxes, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates more especially to show-covers for boxes—that is, to those covers for boxes which exhibit the goods contained in the box.

The invention is designed as an improvement upon existing show-covers, in that the two halves of my show-cover make a close joint with each other when the upper half is swung down to gain access to the box, thereby preventing articles contained in the box from falling through the opening between the two sections or halves.

The invention consists in the use of a specially-constructed hinge for this purpose, and also in providing the hinged section of the show-cover with wings at each side to prevent articles contained in the box from falling over the sides of the hinged section when it is swung down, and further in the combination of these two features.

Figure 1 is a face view of a show-cover for boxes and the like made in accordance with my invention. Figs. 2 and 3 are side elevations of my show-cover applied to a box, partly broken away, illustrating two different positions of the swinging section. Fig. 4 is a back view of a portion of the show-cover at one of the hinges. Figs. 5 and 6 are sections respectively on the lines 5 5 and 6 6 of Fig. 4. Figs. 7, 8, and 9 are views of details.

The same figures of reference indicate the same parts throughout the several views of the drawings.

10 is the lower half or section of the show-cover, and 11 the upper or swinging section of said show-cover. Said show-cover is made up of glass panes, which are contained in frames 12 and 13, left open at one side where the edges of the panes of glass come together. The lower frame 12 may be provided with

cleats 13', which are adapted to rest against one of the edges of the box 14, containing the articles of merchandise to be displayed. The lower frame 12 is preferably secured to the box by thumb screws or knobs 15 15, which take into the edges of the box and firmly secure the said frame 12 to said box. The upper frame 13 is provided with a knob 16, by which it may be more easily manipulated. The upper frame 13, carrying the upper pane of glass, is hinged to the lower or stationary frame 12. In show-covers as now constructed the hinge by which the two sections are joined together projects beyond the cover, and is not only objectionable for this reason, but when the upper section is swung down, as shown in Fig. 3, a large opening is left between the meeting edges of the glass, so that articles contained in the box will fall through this opening upon the floor. It is to be understood, of course, that the show-cover in displaying the goods is to stand substantially vertical.

In my invention I hinge the upper and lower sections together by means of a hinge that does not project beyond the plane of the cover, so that when the upper section is swung down the meeting edges of the same make a close joint with each other, and thereby prevent the articles from falling between the two sections. Each hinge is composed of two leaves 17 and 18, secured, respectively, to the frames 13 and 12, and each of said leaves has two ears where they come together, extending at right angles therefrom at each side, through which the pintle 19 of the hinge passes and pivots the leaves together. The pintle and ears of the leaves do not extend beyond the face of the cover. About the pintle a spiral spring 20 may be encircled, the ends of which bear against the two leaves of the hinge. The tendency of the spring is to keep the upper section of the show-cover closed. To hold the swinging section down in place when it is swung open I provide a small rod 21, which is pivoted to the frame of the upper section. This rod, when the upper section is opened, may be made to take against the edge of the box and hold the upper section down in position.

In order to protect the meeting edges of

the panes of glass and to make a better joint between the two, said meeting edges may be furnished preferably with metal rods 22 22, in which a groove is cut for the reception of said edges. These rods add to the finish of the show-cover and surround the edges of the glass so as to present a smooth rounded edge instead of a sharp cutting one.

In order to prevent articles contained in the box from falling over the sides of the upper section when it is open, I provide at each side of said upper section wings 23, which may be made of sheet metal and pass into the box when the upper section resumes its normal position. These wings have a lip 24 extending at right angles from the lower side thereof, which lip extends preferably nearly all the way across the lower part of the wings. Upon the side pieces of the upper frame 13 is arranged a track or way 25, made of sheet metal, bent, as shown, to receive the wing 23 and its lip 24. The part of the sheet-metal track that overhangs the lip has perforations 26 in it, through which a nail or tack may be driven to secure the part of the track below the lip to the frame 13. A slot is left between that part of the sheet-metal track that overlies the lip and the upturned edge of the track that bears upon the lower part of the wing itself. The lip 24 at the curved part of the wings is turned up at 26' to act as a stop for the wing when coming against the part of the track that overlies said lip. 27 27 are small flat springs, which are fastened at their

outer ends to the frame 13 in front of the tracks 25. When the wings are inserted and slid inwardly in the tracks, they depress the spring 27, and when the turned-up ends 26' of the lip of the wings come against the tracks and pass the free ends of the springs they snap up and lock the wings in place. To withdraw the wings the springs have to be depressed. It will be noted that the wings are readily removable, and that the show-cover may be used with or without the wings, as preferred. It will be obvious, of course, that the show-cover may be used without the rods 22, if preferred.

Having fully set forth my improvements, what I desire to claim, and secure by Letters Patent of the United States, as my invention, is—

A show-cover for boxes and the like, consisting of two sections, one of which is secured to the box, and the other of which is hinged to the aforementioned section by a spring-hinge that lies in the plane of said cover, the said latter section being provided on the inside with removable wings at each side, substantially as described.

In testimony whereof I have hereunto set my hand and affixed my seal, this 30th day of August, 1889, in the presence of two subscribing witnesses.

SAMUEL S. GOLDMAN. [L. S.]

Witnesses:

S. SACKS,

A. C. FOWLER.