

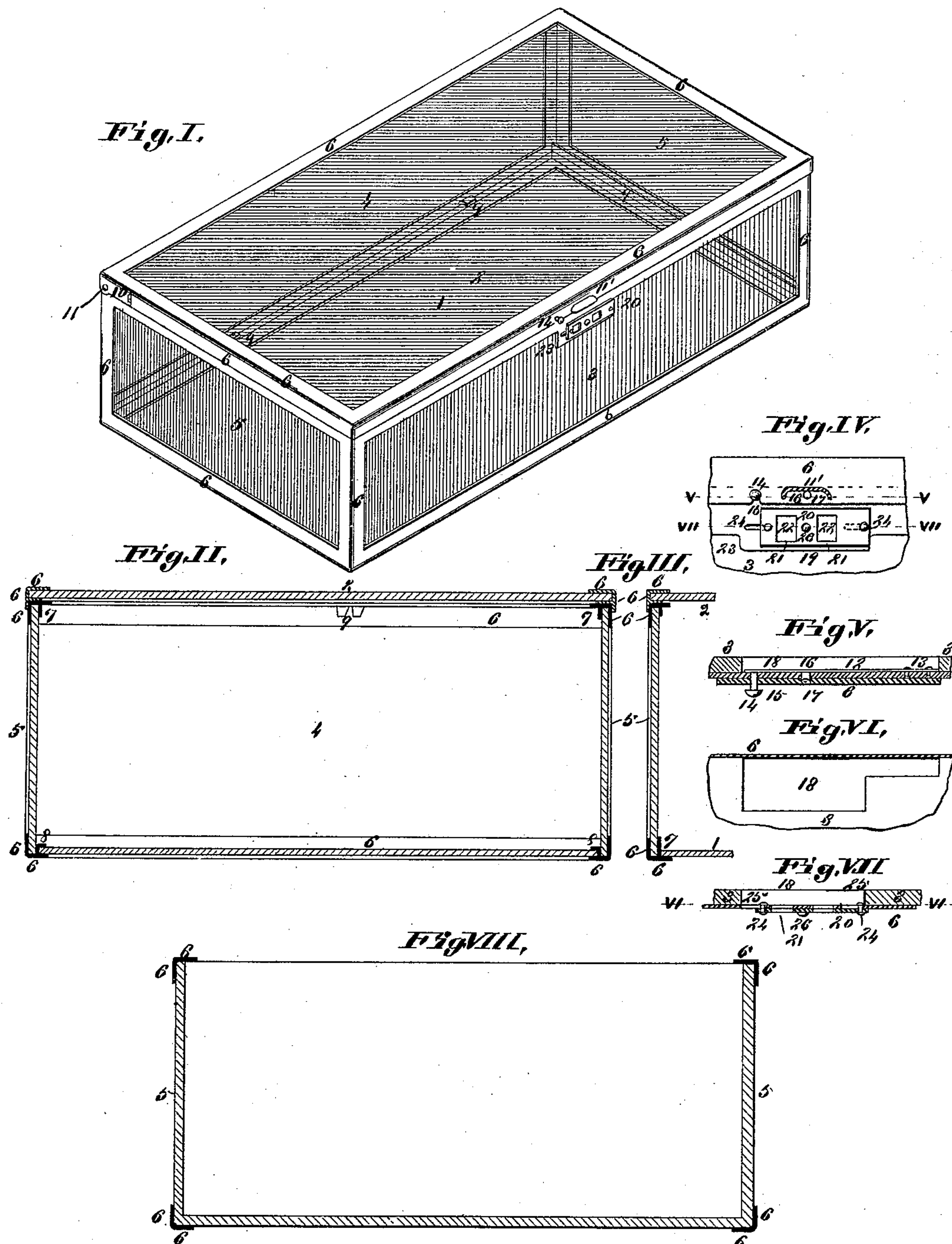
(Model.)

I. FRIEDMAN.

GLASS CIGAR BOX WITH METAL OR OTHER FRAME.

No. 400,840.

Patented Apr. 2, 1889.



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UNITED STATES PATENT OFFICE.

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GLASS CIGAR-BOX WITH METAL OR OTHER FRAME.

SPECIFICATION forming part of Letters Patent No. 400,840, dated April 2, 1889.

Application filed October 15, 1888. Serial No. 288,069. (Model.)

To all whom it may concern:

Be it known that I, ISIDOR FRIEDMAN, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Glass Cigar-Boxes with Metal or other Frames, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a cigar-box which has a ventilator that is adjustable and adapted, when the cigars are new or have a superabundance of moisture, to ventilate the same, and afterward, by closing, to preserve the cigars from exhaustion and fading, which are both the result of evaporation; and the invention consists in features of novelty hereinafter fully described, and pointed out in the claim.

Figure I is a perspective view of one of my cigar-boxes ready for filling. Fig. II is a vertical longitudinal section, and shows the flanged metal frame that incloses the glass, with the inner end flanges bent down to hold the bottom in position. Fig. III is a detail vertical section, in which the inner end flanges at bottom are not bent down; but the bottom may, if desired, be retained in position by metal lugs that project inwardly from the side frame. Fig. IV is an enlarged detail of the front of the box, and shows the ventilator-slide. Fig. V is an enlarged detail section taken on line V V, Fig. IV, and shows the spring-catch that fastens the box. Fig. VI is an enlarged detail section taken on line VI VI, Fig. VII, and shows a sectional cut-away of the front plate of glass to allow the insertion of the ventilator and spring-latch. Fig. VII is an enlarged detail section taken on line VII VII, Fig. IV, and shows the interior of the ventilator-slide; and Fig. VIII is a vertical section of a modification, in which the body of the box is molded integral.

Referring to the drawings, in which similar figures of reference indicate like parts in all the views, 1 represents the bottom, 2 the top, 3 the front, 4 the back, and 5 the ends, of my cigar-box. All of said sections are preferably constructed of glass plates, and the plates are seated within the angle-flanged strips 6 of the metal or other frames of both the box and its lid. The glass plates are thus outwardly retained in their seats by said angle-

flanged strips, and may be retained from inward disturbance by parallel flanges 7, which are secured to the inside of the angle-flanged strips by soldering or brazing, according to the nature of the metal of which the frame is constructed. (See Figs. I, II, and III.) The margins of some of said flanges may, if desired, be turned over at 8 to retain the bottom in its seat, as shown in Fig. II. Metal lugs 9, that are secured to and project inwardly from inside the frame, are also or only used for inner fastenings of the bottom, top, side, and end plates. (See Figs. I and II.)

10 11 represent the hinges on which the lid swings, and by which it is secured to the body of the box. The hinges are preferably constructed of a pivot-bolt, 11, that runs longitudinally the length of the body of the box, and that projects through and has bearings in hinge-plates 10, that are soldered or brazed at the back end of the lid to strengthen the angle-frame at the hinged connection of the lid. A thumb-catch, 11', is soldered or brazed to the middle of the front side of the angle-frame of the lid, by which to elevate and lower the same.

12 represents a spring-latch, whose fast end is secured by the rivets 13 to the upper angle-flange of the body-frame, and which is operated by the push-knob 14, which has play within the slot 15 in the angle-flange in front of the lid, and which slot enables the lid to shut down over the stem of the push-knob. A catch-bolt, 16, that is secured in an intermediate position to said spring, projects through a perforation, 17, in the lid when said lid is shut and locked, and is easily pushed inward by pressure on the push-knob when it is desired to open said lid.

18 represents a cut-away in the front plate of glass to provide room for the location of said spring and of the ventilator 19, which is composed of a sliding plate, 20, having slotted apertures 21, which, as the slide is moved longitudinally, are brought into or out of coincidence, as the case may be, with the corresponding apertures, 22, in the extension 23 of the upper angle-flange that is pendent from the front frame of the box. The said slide is secured to said pendent extension by the bolts or rivets 24, that are tight-seated in the slide, but have loose longitudinal movement

in the elongated slots 25 in said pendent extension.

26 is a knob that is seated in and projects from the slide-plate, and by which it is moved to and fro to bring the apertures in the slide relatively into or out of coincidence with those in the flange-plate to either open the ventilator or close the same.

In Fig. VIII is shown a modification in which the body of the box is molded integral instead of providing sectional plates inclosed in the metal sash-frame; but in this modification, although, as stated, the body of the box is molded integral, a metal frame with angle-flanges (as described in the statement of the sectional glass form) is also provided in the modification, and a like flat glass lid inclosed within its metal frame and similarly hinged and spring-catched is also provided, and, having been therein previously described, said description need not be repeated.

I have shown and described my cigar-box with a glass bottom as well as sides, ends, and top, which is my preferred construction; but the bottom may, when desired, be made of tin or other suitable material.

This invention is intended to overcome the difficulties arising from the wastage and deterioration in quality incident to the drying out of cigars and their consequent loss of delicacy of flavor and aroma. At the same time it provides the means, when the cigars are new and need to part with some small amount of their moisture, to effect the same by opening or partially opening the ventilator-slide for a limited period, taking care that it is closed in time to arrest the drying process in time before the deterioration of the cigar. The glass and its metal frame not being absorbents either of scent or moisture, (in both which qualities they are widely diverse from the wood now used in the manufacture of cigar-boxes,) it is evident that when the cigar has arrived at its ripe condition, (after which

further seasoning and drying will be largely to its detriment,) if the ventilator of my box is then closed, the cigars will be preserved from injury. Also, there is a consequent fading in color of the cigars, contingent on the exhaustion or waste, to a large degree, of their pure, fresh, and aromatic inherent parts in the usual wooden boxes. Again, by the use of my transparent box the cigars can be freely exhibited on the counter, in the show-window, &c., without raising the lid of the box and the consequent wasteful exposure of the cigars.

I do not confine myself to the use of metal in the construction of the frames, for they may be made of papier-maché or any other suitable material.

Another important desideratum of my glass cigar-box, which is impervious to the escape, as stated, of the most valuable and delicate elements of the cigar and the aroma therefrom, is also that there is nothing in the construction of the box (as there is in the usual wooden box) that can impart a foreign flavor to the cigars it holds, to the detriment of the same. Also, my glass box is innocent of the poisonous exhalations that contaminate cigars inclosed in wooden boxes which have the usual colored labels attached inside the lids.

I claim as my invention—

A cigar-box having a flanged frame, glass plate set in the frame, and a ventilator consisting of an apertured extension of said frame, a registering aperture in the glass plate, a sliding plate having apertures to correspond with the apertures of said extension and provided with a knob, and bolts or rivets on said plate projecting through elongated slots in said extension, substantially as and for the purpose set forth.

ISIDOR FRIEDMAN.

In presence of—

BENJN. A. KNIGHT,
EDW. S. KNIGHT.