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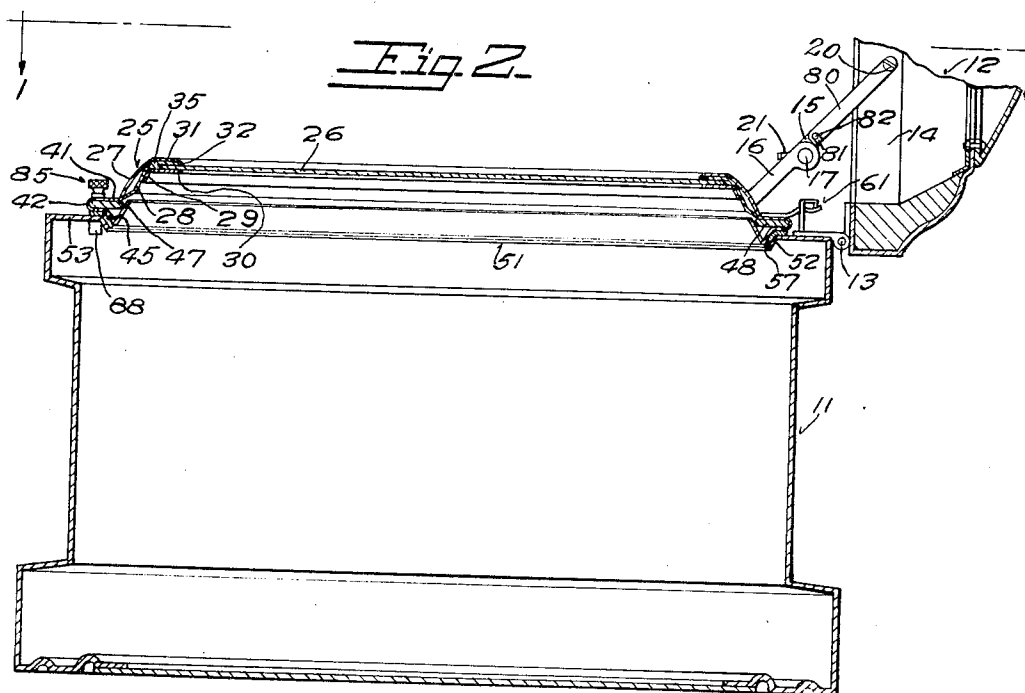
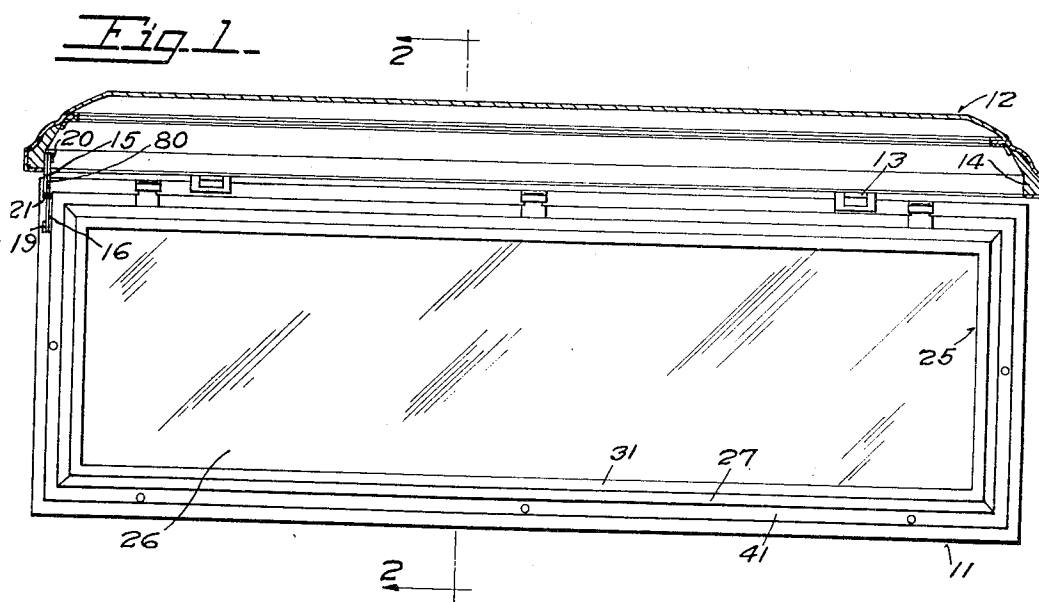
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1,934,635

HINGE

Filed Nov. 30, 1932

2 Sheets-Sheet 1



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Fig. 3

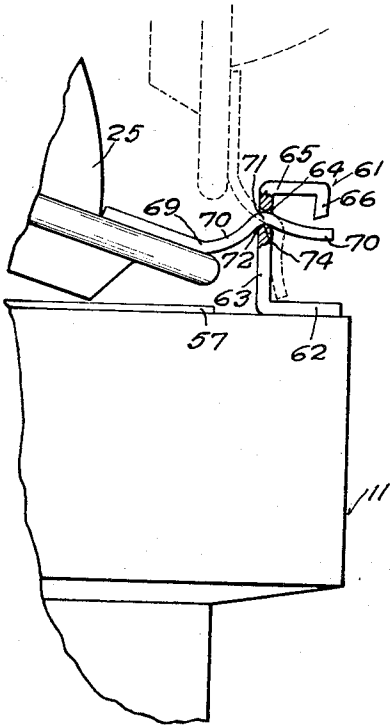
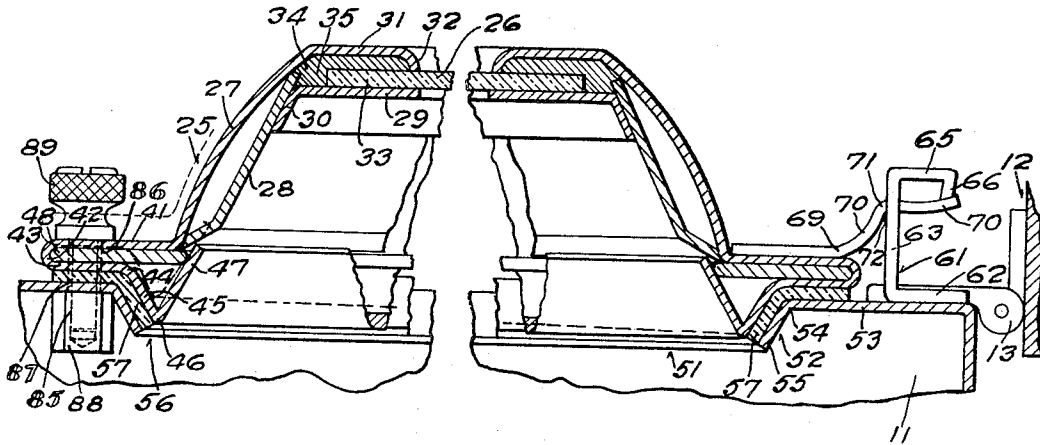
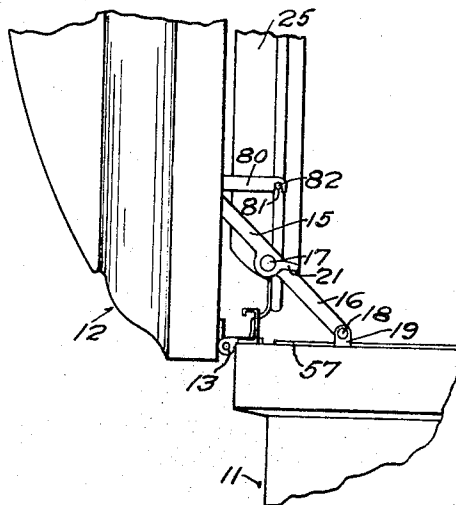


Fig. 4

Fig. 5



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UNITED STATES PATENT OFFICE

1,934,635

HINGE

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Application November 30, 1932
Serial No. 645,010

4 Claims. (Cl. 16—191)

In burial caskets, it is a desideratum to have movable parts which are noiseless in operation, and to avoid the appearance of the employment of tools during the services and interment.

It is the object of my invention to provide novel means for supporting and associating the lids of a burial casket; further, to provide novel means for securing a lid on the body of a burial casket; and, further, to provide novel means whereby the inner lid may be opened and closed noiselessly, supported in open position from the outer lid, and closed in such manner that danger of slamming of the inner lid is avoided.

The invention consists in the novel parts and in the novel construction and arrangement of parts hereinafter described and claimed.

In the drawings:

Fig. 1 is a plan view of my improved device, with the inner lid closed, and the outer lid open and in cross-section in the plane of the line 1—1 of Fig. 2.

Fig. 2 is a vertical cross-section of the same, taken in the plane of the line 2—2 of Fig. 1, and partly broken away.

Fig. 3 is a similar cross-section, shown enlarged and partly broken away, and showing the inner lid in closed but unclamped relation in dotted lines.

Fig. 4 is an end elevation of my improved device, partly broken away, and showing the inner door in two positions, one of them in dotted lines; and,

Fig. 5 is an end elevation, taken from the opposite end of the casket, and showing the lids in open relation.

The body 11 of the burial casket is exemplified as a sheet metal casket, but may be of other material and form than shown, and have suitable resting means therein for the corpse.

An outer lid 12 is hinged to the body by hinges 13. This outer lid is exemplified as comprising a sheet metal frame in which there is a reinforcing wood insert 14 within the margin of the lower portion of the outer lid.

The outer lid is arranged to be supported in upright relation to the body when it is open. This is accomplished by a pair of toggle links 15, 16, connected by a hinge pintle 17, the outer ends of the toggle links being pivoted respectively to the body, as by a pivot pin 18, pivoting the lower end of the links to a lug 19 on the body, and a pivot screw 20 pivoting the upper end of the links to the wood insert 14, at the end of the lid.

When the outer lid is in upright relation the axis of the hinge pintle 17 is at that side of a

right line between the axes at the end pivots 18 and 20 of the links which is toward the hinge connection of the outer lid to the body, and the proximate ends of the links are provided with coacting shoulders 21 which coact when the links are in this relation for preventing accidental closing of the outer lid. If it is desired to close the outer lid, the proximate ends of the links are first raised, whereupon the outer lid may be swung in closing direction. When the toggle links are in supporting relation, they support the outer lid in upright position against both inward and outward movements.

The inner lid is pivotally supported in novel manner to permit its ready opening and closing, to permit its ready removal from and replacement on the body, and to avoid a slamming of the inner lid upon the body when closing the inner lid.

The inner lid is exemplified as comprising a frame 25 provided with a window 26, through which the interior of the casket may be viewed when the lid is closed.

The frame is exemplified as formed of sheet metal, comprising an outer molding 27 and an inner reinforce strip 28 secured thereto by soldering or welding. The molding has a flange 29 extending inwardly therefrom, an outer downwardly extending flange 30 extending from the flange 29 and being secured to the reinforce strip, as by soldering or welding.

The molding is provided with an inwardly extending flange 31, having a downwardly extending lip 32. The margin 33 of the window, exemplified as a pane of glass, extends outwardly between the lip 32 and the flange 29 into the cavity 34 between the flanges 29, 31, this cavity being filled with a body 35, of putty or the like, for securing the window in place.

The molding 27 is provided with an outwardly extending flange 41, at the outer edge of which there is a reverse bend 42 connecting with an inwardly extending flange 43, at the inner edge of which there is a bend 44, from which a downwardly inwardly bent flange 45 extends, the latter being provided at its inner end with a bend 46 to form an upwardly inwardly slanting flange 47. There is a metal reinforce strip 48 between said flanges.

The molding, flanges, lips and reinforce strips extend around the frame, and are at their corners suitably connected by soldering or welding.

The body has an opening 51 about which there is a wall 52, comprising an inwardly extending flange 53 provided with a bend 54 at its inner

edge to form a downwardly and inwardly sloping flange 55.

The flanges 43, 53, and the flanges 45, 55, are respectively preferably parallel with each other, and have a space 56 between them, in which there is a packing 57. This packing is preferably formed by a strip of rubber. This strip of rubber or packing is preferably fixed to the margin of the body about the opening, as by being cemented thereto.

Brackets 61 are located on the body at one side thereof. Each of the brackets is provided with a lower flange 62 fixed to the flange 53 of the body, as by welding. An upright 63 extends from this flange and has a slot 64 therein. A flange 65 extends outwardly from the upright and has a depending flange 66. The lower end of the flange 66 is preferably on substantially a level with the slot 64.

Arms 69 extend from the inner lid, the inner ends of the arms being fixed to the flange 41 at the hinge margin of the inner lid. Each of these arms has an upwardly and outwardly extending portion 70, at the outer end of which there is a bend 71 for forming a pocket 72 therebelow, the outer end of the arm being bent upwardly slightly, as shown at 70. The outer ends of the respective arms extend through the slots 64 in the uprights and the pockets in said arms normally rest on the lower walls 74 of said slots.

The uprights and arms form hinge connections between the inner lid and the body.

The outer lid is provided with an inner opening 79, and the hinge connections between the inner lid and the body are so located that the molding and the window of the inner lid are received through the opening into the outer lid when both lids are in open relations.

The outer lid has a link 80 pivoted thereto on the pivot screw 30, a slot 81 in the swinging end of this link being received over a holding pin 82 in the end wall of the inner lid when both lids are in raised relations. When both lids are in raised relations, the toggle links 15, 16, and the link 80, received over its holding pin, maintain the parts in such relations. If it is desired to lower the inner lid, the hook end of the link 80 is released from its holding pin on the inner lid, whereupon the inner lid may be lowered.

Clamping means are provided for the inner lid, comprising screws 85 received through mating holes 86 in the flanges 41, 43 and the reinforce strip 48 of the inner lid, and through holes 87 in the packing 57 and the flange 53 extending from the body, the threaded end of the screw being received in a nut 88 held to the bottom of the flange 53, as by soldering or welding.

These screws are provided with knurled heads 89, by means of which they may be manually turned by the fingers for manually clamping the inner lid to the body. They may be provided with slots 90 for ornamentation or for receiving a screw-driver concealed in the hand of the operator, if employment of such latter means should be necessary.

The packing 57 preferably surrounds the opening in the body and is formed as a continuous packing between the margin of the inner lid and the wall of the opening in the body for sealing the interior of the body. The packing is preferably of resilient rubber.

In closing the inner lid, it is swung downwardly on its hinge connections, with the inner faces of the pockets 72 fulcrumed on the lower walls 74 of the slots 64, until the tail ends 70 of

the arms 69 rest against the lower ends of the downwardly projecting flanges 66. In such relation the lower faces of the flanges 43, 45, at the hinge margin of the inner lid have light contact with the cushion strip at said hinge margin, and the lower faces of the flanges 43, 45, at the outer margin of the inner lid are slightly distanced from the cushion strip at said outer margin. The inner lid is normally supported in this manner, so that upon closing the same there may be no danger of noise or of slamming the inner lid upon the body, for instance, as indicated by the dotted lines in Fig. 3.

Further closure of the inner lid is accomplished by having the operator bear upon the outer side or margin of the inner lid, so as to press the said outer margin upon its cushioning strip, which causes sealing contact between the inner margin of the inner lid and the wall of the opening of the body adjacent to the hinge margin of the inner lid. The cushion forms a sealing strip between said margins and the body, and insures that sealing connection between the inner lid and the body is made at the hinge side of the inner lid and adjacent thereto.

The clamping screws 85 are thereupon screwed into their nuts for clamping the balance of the margin of the inner lid upon the body and compressing the balance of the cushioning strip between the inner lid and the body for thoroughly sealing the inner lid upon the body.

This construction requires no clamping screws between the inner lid and the body at the hinge margin of the lid, and requires but a few of the clamping screws between the balance of the margin of the inner lid and the body, one of these screws being shown at each end of the inner lid, and three of the screws being shown at the outer side of the inner lid, such number of screws being found sufficient to clamp the entire inner lid hermetically to the body without the use of tools.

This construction is simple, and enables the inner lid to be expeditiously opened and closed.

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

1. Hinging means between the body and the lid of a burial casket, comprising a bracket extending upwardly from the body and provided with a slot and an outwardly extending flange above said slot, and an arm extending upwardly and outwardly from the lid through said slot and having a socket in its lower face intermediate of its ends, the wall of said socket supportingly fulcrumed on the wall of said slot throughout the pivotal movements of the lid, and the outer end of said arm coacting with said flange for easing the closing of the lid.

2. Hinging means between the body and the lid of a burial casket comprising a bracket extending upwardly from the body and having an outwardly extending flange, at the outer end of which there is a downwardly extending flange, and provided with a slot under said outwardly extending flange, and an arm extending laterally from the lid and having a socket in its lower face intermediate of its ends and extending through said slot with the wall of said socket supportingly resting on the lower wall of said slot throughout the pivotal movements of the lid, and the outer end of said arm coacting with said downwardly extending flange to resist downward movement of the lid in closing the lid.

3. Hinging means between the body and the

lid of a burial casket comprising a bracket extending upwardly from the body and provided with a slot and an outwardly extending flange above said slot, and an arm extending laterally from the lid and having a downwardly opening socket intermediate of its ends in said slot, the wall of said socket supportingly pivoted on the lower wall of said slot to pivot the lid on the body, and the outer end of said arm coacting with said flange in closing the lid.

4. Hinging means between the body and the lid of a burial casket comprising a bracket formed with an upright extending upwardly from the

body and having a slot near its upper end, an outwardly extending flange above said slot and a downwardly extending flange at the outer end of the latter, and an arm extending laterally from the lid and having a downwardly opening socket intermediate of its ends located in said slot and a laterally outwardly extending outer end, the wall of said socket pivoted on the wall of said slot and said laterally outwardly extending outer end coacting with said downwardly extending flange upon closing the lid and with said upright upon fully opening the lid.

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