J. G. MASSIE.

COFFIN.

APPLICATION FILED AUG. 26, 1911. RENEWED FEB. 27, 1913.

1,068,795. Patented July 29, 1913.

Fig. 1.

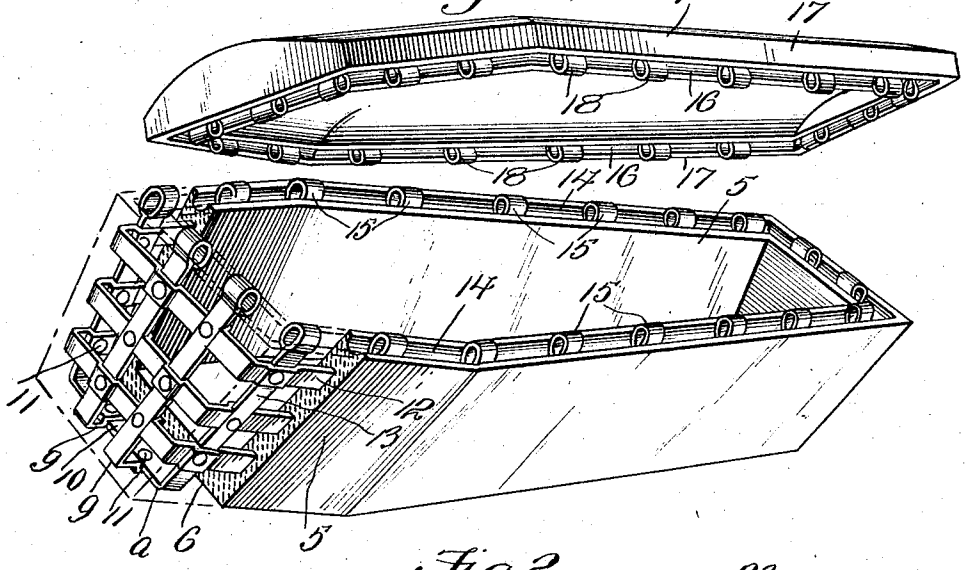


Fig. 2.

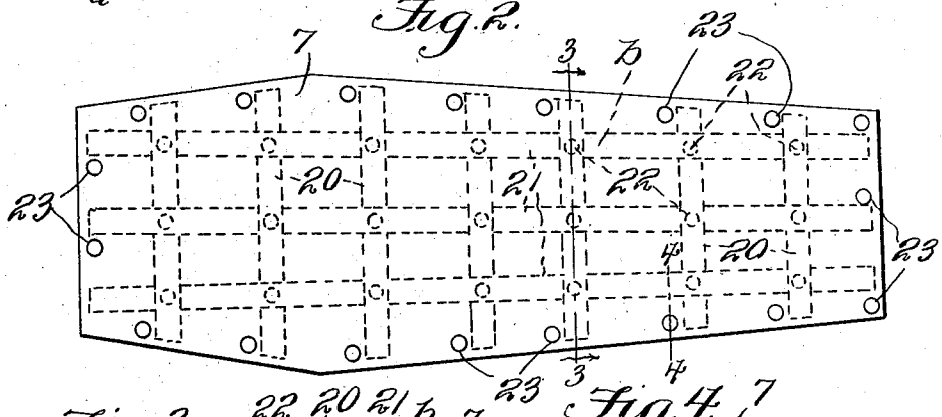


Fig. 3.

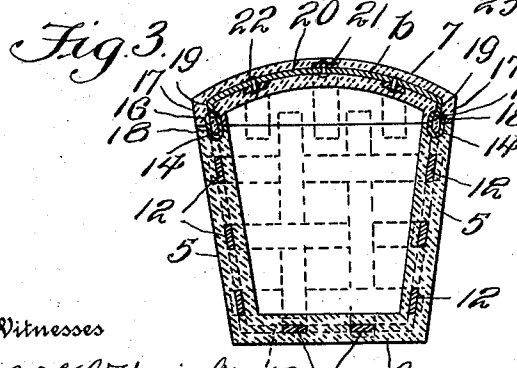
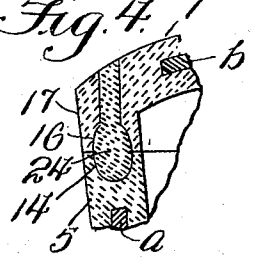


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN GORE MASSIE, OF EAST ST. LOUIS, ILLINOIS.

COFFIN.

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To all whom it may concern:

Be it known that I, JOHN G. MASSIE, a citizen of the United States, residing at East St. Louis, in the county of St. Clair and State of Illinois, have invented new and useful Improvements in Coffins, of which the following is a specification.

The objects of the invention are to provide an air-tight connection between the cover and body of a receptacle such as a burial box; and to eliminate the use of screws and analogous devices for securing the cover to the body.

Other objects will appear and be better understood from the following description taken in connection with the accompanying drawings, in which,

Figure 1 is a perspective of one embodiment of the invention as applied to a burial box, one end portion of the latter being cut away to disclose the reinforcing frame. Fig. 2 is a plan view. Fig. 3 is a vertical cross section on the line 3—3 of Fig. 2. Fig. 4 is a detail vertical section on the line 4—4 of Fig. 2.

The invention may be employed with any form of covered receptacle wherein it is desired to effect an air-tight joint between the cover and the body of the receptacle. Since this form of joint is especially desirable in burial boxes, I have selected one of these and adapted the same to conform to the invention. The type of burial box illustrated in the drawings is of the reinforced concrete type. This, however, is shown merely for the purpose and the reinforcing frames *a* and *b* are embedded in the sides 5 and bottom 6 of the body and in the flanged cover 7.

The reinforcing frames *a* and *b* are preferably skeleton structures, although, other frame structures may be equally as well employed. In the present instance, the longitudinal ribs 9 and transverse ribs 10 of the bottom of the frame *a* are connected together in any suitable manner such as by rivets 11 and extend over and under each other, as shown. The horizontal ribs 12 of the sides of the frame *a* extend over and under the vertical ribs 13, the upper end portions of the said vertical ribs extending through a groove 14 in the upper edge of the body 5 and curved so as to provide keepers 15 which, when the cover 7 is arranged on the body, extend into a groove 16 formed in the lower face of the flange 17 of the cover 7 and between keepers 18 similar to the keepers 15 and carried by the cover 7. The keepers 18 are herein shown as formed at the ends of the downturned portions 19 of the transverse and longitudinal ribs 20 and 21 of the frame *b*, the said ribs 20 and 21 being arranged similarly to the ribs of the frame *a* and connected in any suitable manner such as by rivets 22. With this construction it will be manifest that when the cover is placed upon the body, lateral and longitudinal displacement of the cover will be prevented by virtue of the keepers 15 and 18 and the walls of the grooves 14 and 16.

As shown in Fig. 2, the marginal portion of the cover 7 has openings 23 which communicate with the groove 16 thereof to receive a suitable locking means, such as a plastic core 24. The core 24 is formed by pouring the material, such as concrete into one or more of the openings 23, it being understood that the material which forms the core is in a substantially liquid state so that it will run through the grooves and keepers 15 and 18 whereupon, it will, when hardened, form a positive lock and completely seal the joint between the cover and body.

It will be manifest that the core 24 will provide a lock and prevent displacement of the cover, even though the keepers are not provided. And it will be further observed that it is not necessary to form the keepers with the specific type of reinforcing frames *a* and *b*, nor in fact need they be formed with any reinforcing frame, in which event, they may be suitably formed within the scope of the present invention so as to connect with metallic or wooden burial boxes of well-known type.

What I claim as new is:

1. A burial box having the contacting surfaces of its cover and of its body provided with longitudinal depressions or grooves and one of the parts having an opening communicating with the grooves thereof and a core of plastic material arranged in said grooves.

2. A burial box having the contacting surfaces of its cover and of its body grooved, vertical keepers arranged in spaced relation in said grooves and adapted to interfit when the cover is on the body for the purpose described.

3. A burial box having its cover grooved and its body provided with tubular keepers adapted to enter said groove and locking means extending through said groove and through said keepers.

4. A burial box having its body grooved and its cover provided with tubular keepers adapted to enter said groove and locking means extending through said groove and through said keepers.

5. A burial box having its cover and body grooved in their contacting surfaces, a plurality of interfitting keepers arranged in said grooves, and locking means extending through said grooves and engaging said keepers.

6. A concrete receptacle having its cover and body grooved and provided with keepers extending into said grooves, and connected by a core of plastic material arranged in said grooves and engaging said keepers.

7. In a concrete receptacle, a body portion having a groove in its upper edge and a reinforcing frame provided with keepers arranged in said groove, a cover portion having a groove to aline with the groove of the body and further having a reinforcing frame provided with keepers to aline with the first named keepers, and a core of plastic material extending through said grooves and engaging said keepers.

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

JOHN GORE MASSIE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."