

Sept. 4, 1928.

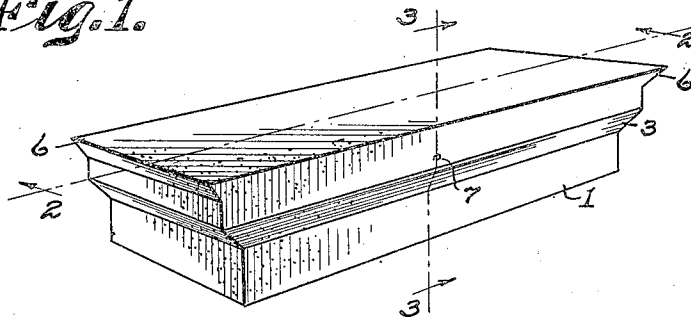
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R. L. FOLMAR

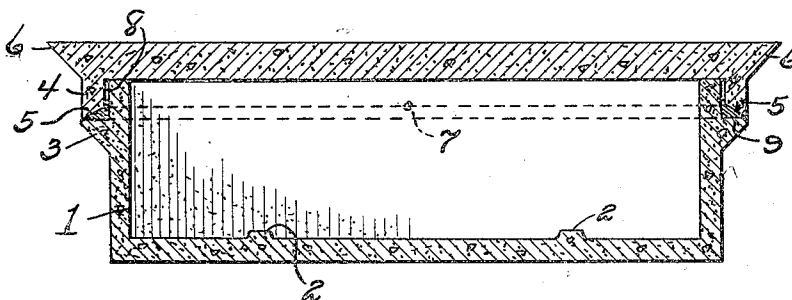
VAULT

Filed Oct. 31, 1927

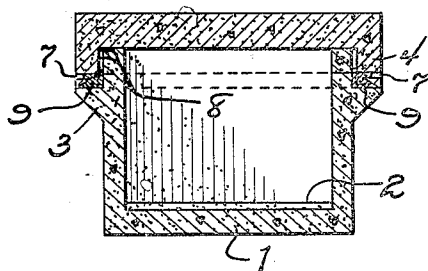
*Fig. 1.*



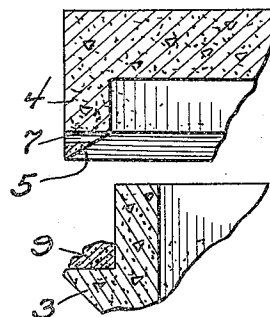
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



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## UNITED STATES PATENT OFFICE.

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## VAULT.

Application filed October 31, 1927. Serial No. 230,009.

The present invention relates to burial vaults the object being to provide a waterproof receptacle for a burial casket of lower cost of production and provided with an effective seal at the joint between the vault and cover.

In carrying out the invention I form the base and cover of the vault of a waterproof concrete provided with internal metallic reinforcements to prevent cracking or disintegration under the action of frost. The body is formed by molding and is provided with a plurality of transverse ribs to support a burial casket and a peripheral rib a few inches below the top of the vault. The lid is also formed of reinforced concrete and is provided with a flat undersurface to form a snug fit with the edges of the vault body during the molding operation, the dependent portion of the cover overlapping the upper edges of the vault is provided during the molding operation with a plurality of vents to permit escape of air at the joint when the seal is being formed between the vault body and the lid.

The novel features of the invention will be fore fully indicated in the appended claims.

In the accompanying drawings illustrating the invention:

Figure 1 is an isometric position of a burial vault embodying my improvements;

Fig. 2 is a sectional view on the plane 2—2 of Fig. 1;

Fig. 3 is a sectional view on the plane 3—3 of Fig. 1; and

Fig. 4 is a section of the part of the lid and body.

Referring now in detail to the drawing, 1 represents the body of a concrete vault embodying my improvements. It is provided with a plurality of transverse ribs 2 adapted to rise a slight distance above the floor and to form a support for a burial casket with a ventilating space beneath. I provide an integral peripheral rib around the vault for a cover a few inches below the top walls of its body forming ledges 3 into which the sealing cement may be applied at the con-

clusion of the obsequies. I preferably make the upper surface of this peripheral rib horizontal as indicated in Fig. 2. The cover is provided with an overhanging inclined ledge 6 and a slight clearance 8 to permit it to be applied to the body of the vault readily. The dependent wall 4 of the lid is inclined at a slight angle as at 5 and is provided therein with a plurality of molded holes 7 to permit the proper flow of the sealing medium when the cover is cemented to the body. A small quantity of cement being applied in the ledge angle as shown at Fig. 4 when the cover is lowered the entrapped air between the edges of the cover and the wall of the body of the vault in the ordinary practice prevents a proper ingress of the cement and consequently an imperfect sealing joint. By the perforations 7 molded into the wall of the cover at the point of junction however the cement can spread freely upward and downward over parts of the junction surfaces and effect an absolutely airtight seal.

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

1. A burial vault of reinforced molded concrete having an internal space to receive a casket, a peripheral ledge to support a lid, a lid of reinforced concrete forming an easy fit with the body having an inwardly sloping edge, and a peripheral flange on the lid overlapping the base, said flange having air vents above its bottom to permit sealing cement to flow in forming a secure cement locked joint.

2. A burial vault of reinforced molded concrete having an internal space to receive a casket, a peripheral ledge below its top to support a lid, a lid with an overlapping edge tapering outwardly toward the bottom to form a space for a sealing medium above the peripheral ledge, and transverse holes formed in the face of the flange to permit flow of the sealing medium at the joint to seal and lock the joint.

In testimony whereof I affix my signature.

ROBERT L. FOLMAR.