July 12, 1927. E. H. PINKERTON 1,635,904

BURIAL VAULT

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Fig. 1.

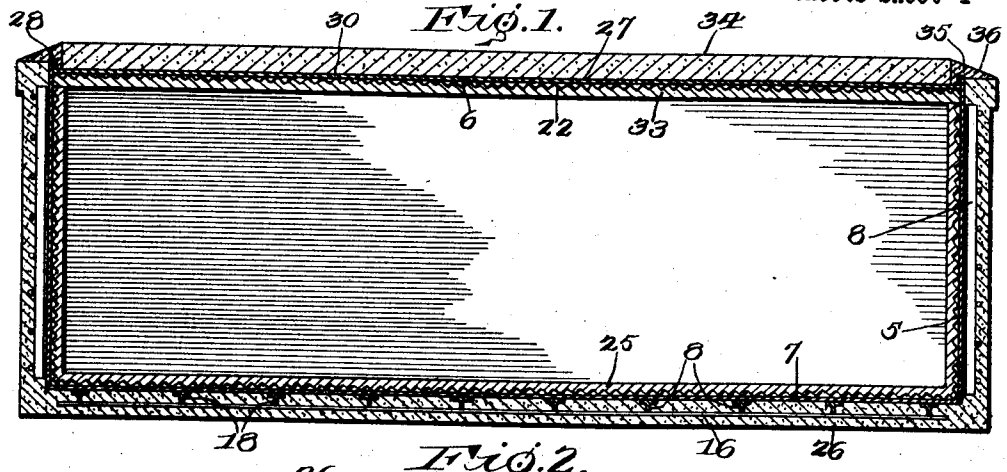


Fig. 2.

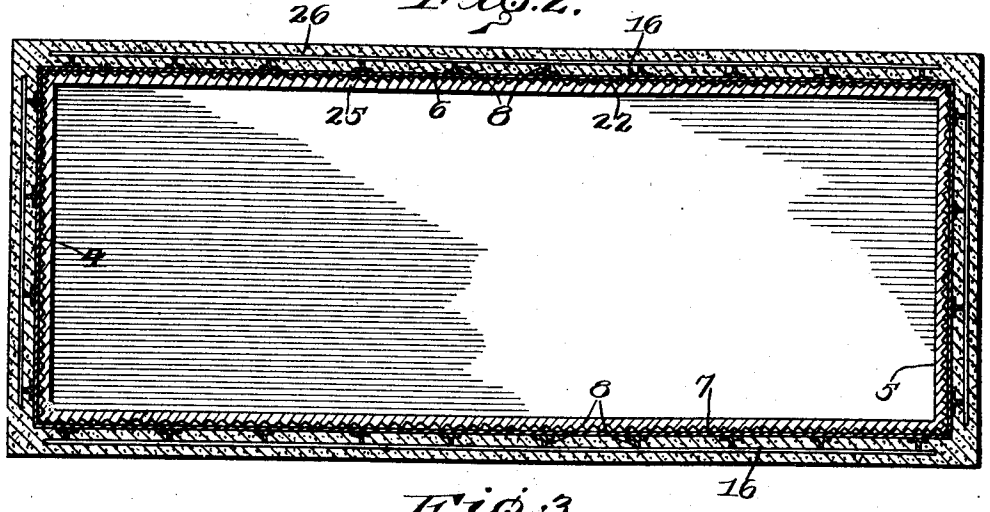
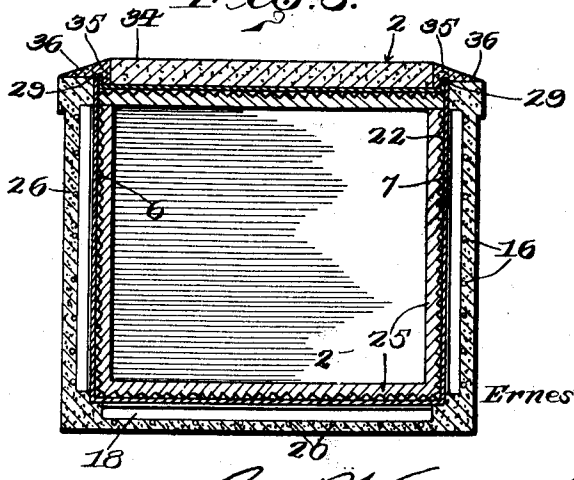


Fig. 3.



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Fig. 4.

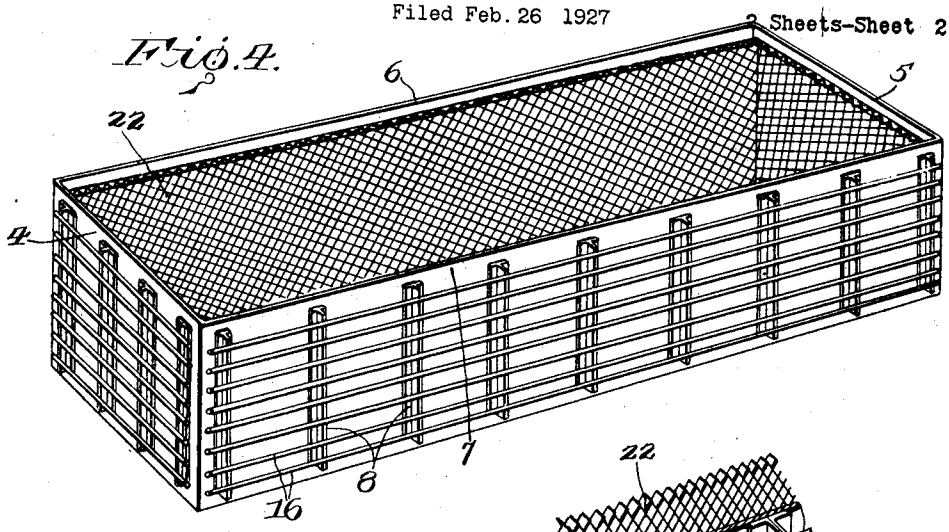


Fig. 5.

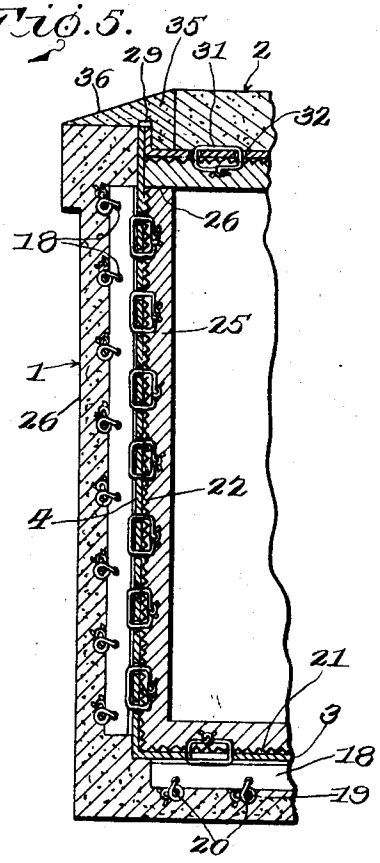


Fig. 6.

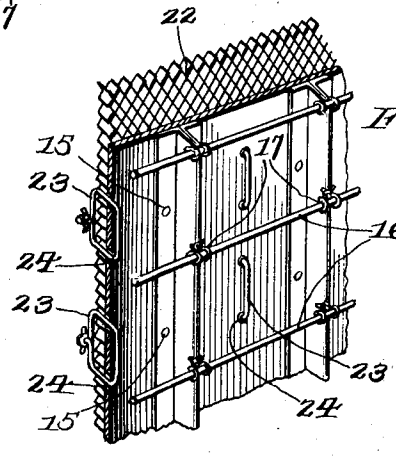
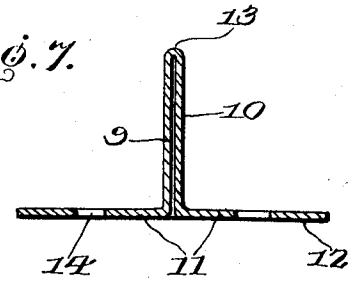


Fig. 7.



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UNITED STATES PATENT OFFICE.

ERNEST H. PINKERTON, OF HARLINGEN, TEXAS.

BURIAL VAULT.

Application filed February 26, 1927. Serial No. 171,268.

This invention relates to burial vaults, caskets or coffins, hereinafter termed a burial vault, and the invention has for its object to provide, in a manner as hereinafter set forth, a burial vault constructed in a manner to render it impervious or resistable to the action of moisture and water whereby the life thereof is lengthened and leakage and decay prevented, or in other words to provide a reinforced concrete vault capable of being hermetically sealed so as to exclude air and moisture whereby the contents of the vaults are protected from deterioration.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a burial vault which is comparatively simple in its construction and arrangement, strong, durable, thoroughly efficient in its use, readily assembled, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view the invention consists in the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:

Figure 1 is a longitudinal sectional view of a burial vault in accordance with this invention.

Figure 2 is a sectional plan thereof.

Figure 3 is a cross sectional view thereof.

Figure 4 is a perspective view of the metallic reinforced metallic body portion.

Figure 5 is a fragmentary view of the vault upon an enlarged scale and in vertical section.

Figure 6 is a fragmentary view upon an enlarged scale, of the metallic body portion.

Figure 7 is a cross sectional view of one of the vertical reinforcements for the body portion.

Referring to the drawings in detail, a burial vault in accordance with this invention, comprises an open top receptacle, referred to generally by the reference character 1, and a lid or closure for the open top of the receptacle 1 and which is referred to generally by the reference character 2.

The open top receptacle 1 includes a metallic body portion formed throughout of sheet steel of the desired gauge and which consists of a bottom 3, a pair of end walls 4, 5 and a pair of side walls 6, 7. The body portion is of the desired width, length and height and preferably is of rectangular contour. Riveted to the outer face of each of the walls of the body portion is a set of spaced vertically disposed metallic reinforcing members. The outer members of each set is positioned in proximity to the ends of that wall with which the set associates and the members of each set are of a length to extend from a point in proximity to the top edge and terminate at a point in proximity to the bottom edge of that wall with which the set is associated. Each reinforcing member of each of the sets is indicated at 8 and as the reinforcing members 8 are of like construction, but one will be described, as the description of one will apply to the other. Each of said reinforcing members is formed from a single length of sheet metal of the desired gauge, and bent to provide a pair of vertically extending, opposed arms 9, 10 and a pair of oppositely extending right angularly disposed lateral arms 11, 12. The arms 9 and 10 at their outer sides are coupled together by the bend 13 and the inner side of the arm 9 merges into the arm 11 and the inner side of the arm 10 merges into the arm 12. The arms 9 and 10 are arranged in close proximity to each other. The arms 11 and 12 are provided with superposed openings 14 for the passage of rivets 15 to fixedly secure the arms 11 and 12 against the outer face of that wall with which the reinforcing member is associated. In cross section each reinforcing member is of T-shaped contour. Preferably the arms 9 and 10 are of greater width, in cross section than the arms 11 and 12.

Positioned against the bends 13 of the reinforcing members of each set is a set of longitudinally extending spaced reinforcing and anchoring bars or rods, preferably of cylindrical cross section. The rods of each set extend from a point in proximity to one end to a point in proximity to the other end of that wall of the body portion which the rods oppose. The rods of each of said sets are indicated at 16 and each rod is connected against the bends 13 by coupling members 17 which envelop the rod and extend

through apertures 18 formed in the reinforcing members. The number of coupling members correspond to the number of reinforcing members of the set.

The bottom 3 of the metallic body portion has secured to its outer face reinforcing members 18, and reinforcing and anchoring bars 19 secured in position by the coupling members 20. The elements 18, 19 and 20 are constructed in the same manner as the elements 8, 16 and 17 referred to with respect to the manner of reinforcing the walls of the body portion.

Positioned against the inner face of the bottom 3 and walls 4 to 7 of the body portion is a metallic lathing, which is indicated at 21 with respect to the bottom 3 and at 22 with respect to the walls of the body portion. The lathing 21 is co-extensive with the inner face of the bottom 3, but the lathing 21 has its top edge position below the top edge of the walls 4 to 7. Tie members 23 are provided for connecting the lathing 21 and 22 to the body portion, and the walls and bottom of the body portion are provided with openings 24 for the passage of tie members 23, and these latter are positioned between the reinforcing members 8 and 18.

Arranged against the inner face of the body portion and secured thereagainst by the metallic lathing, is a coating, lining or surfacing of plaster 25 or other suitable material and which is of the desired thickness, but such surfacing, lining or coating, does not extend to the top edge of the walls of the body portion but terminates a substantial distance below said edge and provides a shoulder 26 which is co-extensive with the body portion.

Arranged against the outer face of the body portion and co-extensive therewith, is a concrete facing 26 of the desired thickness and which extends to the top edge of the walls of the body portion. The facing 26 is of greater thickness than the lining 25.

The cover or closure 2 comprises a metallic body portion 27 formed from a metallic sheet of the desired gauge and provided at its sides and ends with an upturned flange 28 which is continuous. The body portion 27 is of a size, when the lid or closure is mounted in position, to abut against the inner face of the walls 4, 5, 6 and 7. The flange 28 engages with the inner face of said walls and its top edge is flush with the top edge of the walls. When the lid or closure is mounted in position, the flange 28 and the walls 4, 5, 6 and 7 are soldered together, as indicated at 29 Figure 5 and which provides a sealtight joint. Positioned against the lower face of the body portion 27 and co-extensive therewith, is a metallic lathing 30, secured in position by tie members 31, which extend through openings 32 formed in the body portion 27, and the latter is provided throughout its inner face with a lining 33, of plaster or other suitable material and of the desired thickness. The lining 33 is connnected with the body portion 47 by the metallic lathing 30 and is flush with the outer face of the flange 28. When the lid or closure is mounted in position, the lining 33 abuts against the inner faces of the walls 4, 5, 6 and 7, below the flange 28 and seats on the shoulder or ledge 26 provided by the top edge of the lining 25 of the body portion of the receptacle. The body portion 27 is reinforced by a facing of concrete, which is indicated at 33 and has its edges spaced from the flange 28. Surrounding the facing 33 and extending on the top edge of the facing 26 as well as interposed between the flange 28 and the facing 33, is a sealing member 35 consisting of concrete and which is placed in position after the body portion 30 and lining 33 has been arranged in the top of the receptacle. The sealing member 35 is bevelled as indicated at 36.

In lieu of connecting the rods 16 by coupling members to the reinforcing members 8, the rods 16 may be welded to the reinforcing members as shown in Figure 4. The connecting of the rods to the reinforcing members, by the coupling members is illustrated in Figures 5 and 6. It is to be understood however, that the reinforcing bars 8 can be set up in any suitable manner with respect to the reinforcing members.

It is thought the many advantages of a burial vault, in accordance with this invention, can be readily understood, and although the preferred embodiment of the invention is as illustrated and described, yet it is to be understood that changes in the details of construction can be had which will fall within the scope of the invention as claimed.

What I claim is:

1. A burial vault comprising a metallic reinforced metallic container having an open top, a lining for said container having its top positioned below and in proximity to the top edge of the container, an outer covering for and throughout said container, and a lid including a metallic body portion having a non-metallic lining and a non-metallic facing, said non-metallic lining seating on the lining of the container, and said lid further including a non-metallic facing continuation extending and projecting on the covering for the container, said metallic body portion abutting against the inner face of the container and connected therewith and further concealed by its non-metallic facing continuation.

2. A burial vault comprising a metallic reinforced metallic container having an open top, a lining for said container having its top positioned below and in proximity to the top edge of the container, an outer cov-

ering for and throughout said container, a lid including a metallic body portion having a non-metallic lining and a non-metallic facing, said non-metallic lining seating on the lining of the container, and said lid further including a non-metallic facing continuation extending and projecting on the covering for the container, said metallic body portion abutting against the inner face of the container and connected therewith and further concealed by said non-metallic facing continuation, and metallic lathings connected to said container and metallic body portion and providing means for connecting the linings therewith.

3. A burial vault comprising an open top container provided with metallic reinforcements extending throughout the outer face thereof and concealing said reinforcements, said container further provided with a non-metallic lining connected therewith and having its top edge positioned below the top of the container, and a lid having a non-metallic lining throughout its inner face seating on the non-metallic lining of the container, said lid further including a non-metallic facing continuation extending and projecting from its upper face and seated on the non-metallic covering for the container, said lid arranged within, abutting against and secured to the container above the non-metallic lining for the latter.

4. A burial vault comprising an open top metallic container, a metallic lid element arranged within, abutting against and secured to the top of the container, metallic reinforcements on the outer face of said container, a covering of non-metallic material secured to the outer face of the container and coextensive therewith and concealing said reinforcements, and a covering of non-metallic material for said lid element extending throughout thereof and a continuation of the covering projecting from the upper face thereof and seating on the covering for the container and further seating on the connected parts of the lid element and container.

5. A burial vault comprising an open top receptacle having its body formed of a metallic intermediate portion and an inner and an outer non-metallic portion, and a lid having its body formed of a metallic intermediate portion and non-metallic inner and outer portions, said metallic portions secured together, the non-metallic inner portion of the lid seating on the non-metallic inner portion of the receptacle, and a non-metallic facing, forming a continuation of the outer portion of the lid and seating on the metallic intermediate portion of the receptacle and lid and non-metallic outer portion of said receptacle.

6. A burial vault comprising an open top receptacle having its body formed of a metallic reinforced metallic intermediate portion and an inner and an outer non-metallic portion, said inner non-metallic portion of less height than said outer non-metallic portion, and a lid having its body formed of a metallic intermediate portion and an outer and an inner non-metallic portion, the metallic portion of said lid arranged within and secured to the metallic portion of said receptacle at the top thereof, the non-metallic inner portion of the lid seating on the non-metallic inner portion of the receptacle, and a facing forming a continuation of the non-metallic outer portion of the lid closing the points of connection between said metallic portions, further seating on these latter and also seating on the non-metallic outer portion of the receptacle.

In testimony whereof, I affix my signature hereto.

ERNEST H. PINKERTON.