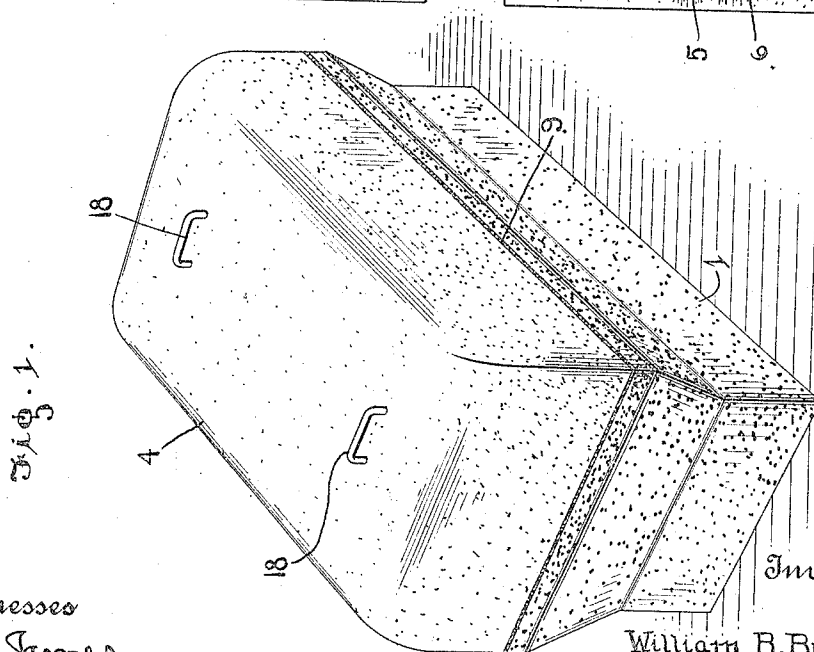
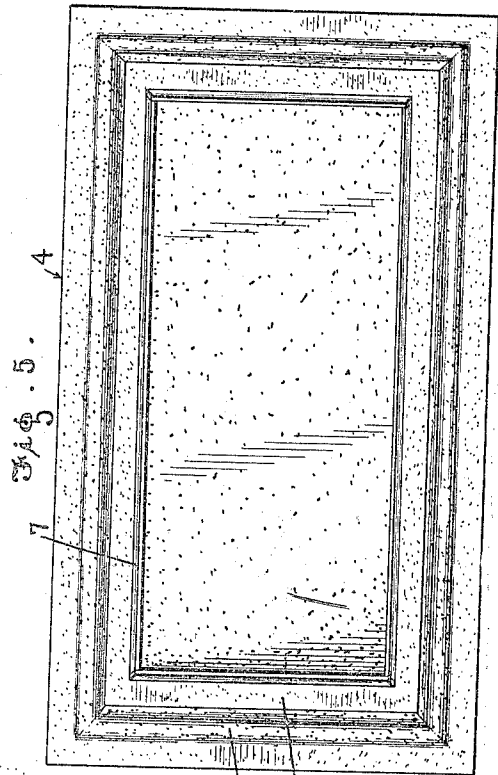
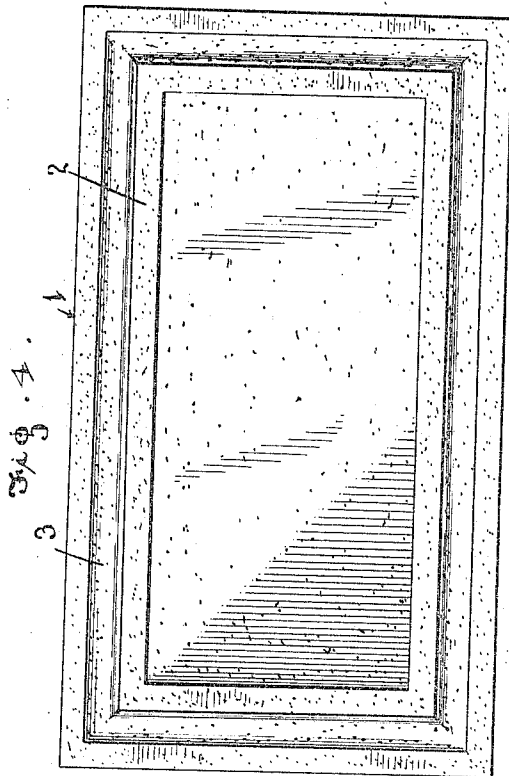


W. B. BUSSARD.
 REINFORCED CONCRETE BURIAL VAULT.
 APPLICATION FILED APR. 3, 1911.

1,018,872.

Patented Feb. 27, 1912.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

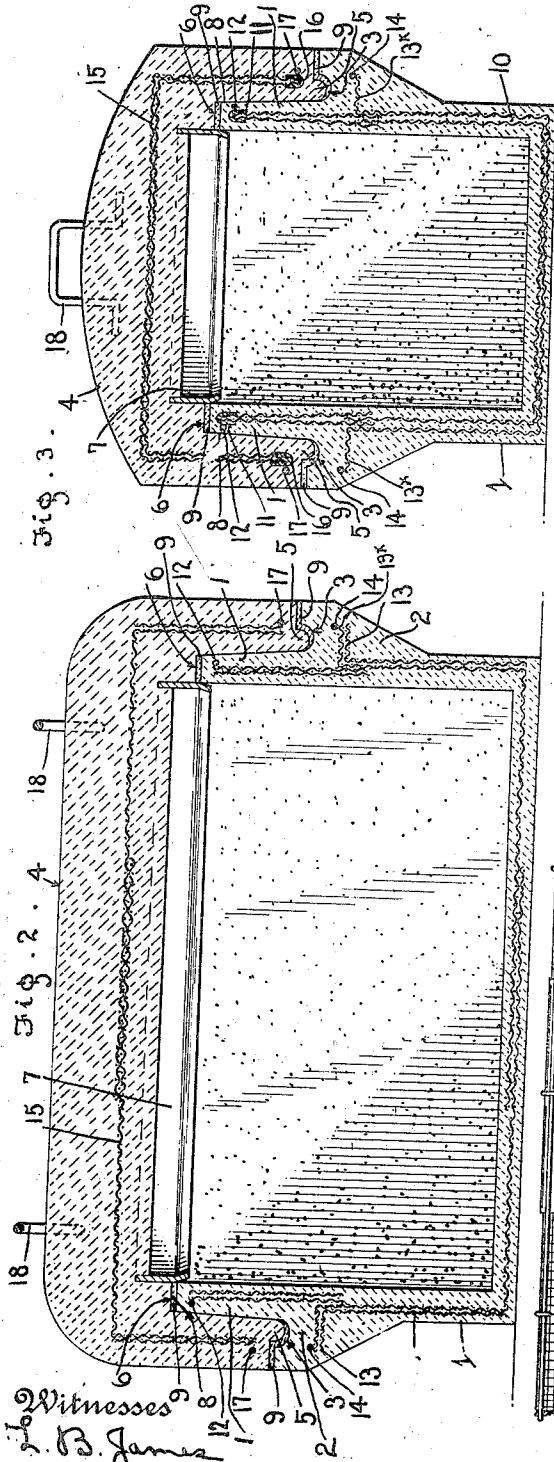


Fig. 7.

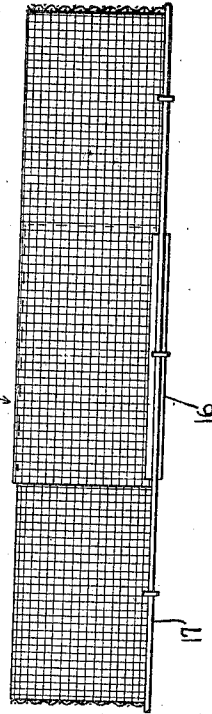
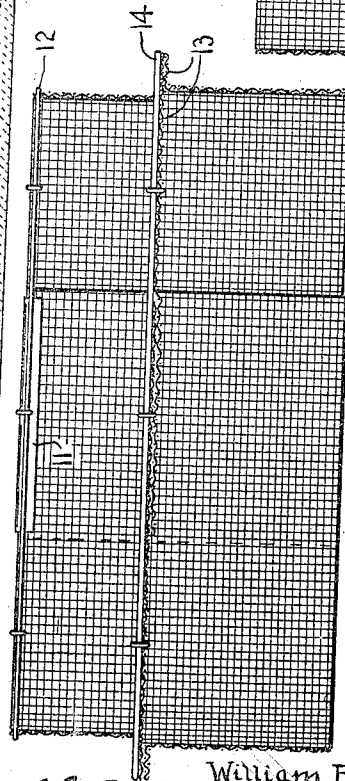


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM B. BUSSARD, OF HUNTINGTON, INDIANA.

REINFORCED-CONCRETE BURIAL-VAULT.

1,018,872.

Specification of Letters Patent.

Patented Feb. 27, 1912.

Application filed April 3, 1911. Serial No. 618,554.

To all whom it may concern:

Be it known that I, WILLIAM B. BUSSARD, a citizen of the United States, residing at Huntington, in the county of Huntington and State of Indiana, have invented certain new and useful Improvements in Reinforced-Concrete Burial-Vaults; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in concrete burial vaults.

One object of the invention is to provide a reinforced concrete burial vault having an improved construction and arrangement of double sealed cover whereby the vault when closed and sealed will be absolutely air and water tight.

Another object is to provide an improved construction and arrangement of reinforcing frames whereby a strong, durable construction is provided, said reinforcing frames being made in adjustable sections for use in connection with vaults of different lengths.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a perspective view of my improved vault; Fig. 2 is a vertical longitudinal section; Fig. 3 is a vertical cross sectional view; Fig. 4 is a plan view of the body of the vault with the cover removed; Fig. 5 is a similar view of the inside of the cover; Fig. 6 is a side view of the reinforcing frame for the body of the vault; Fig. 7 is a similar view of the reinforcing member for the cover of the vault.

My improved vault comprises a body portion 1 which may be of any suitable size and shape and which has formed on its outer sides a continuous offset cover supporting flange 2, the lower side of which is formed on an angle or inclined as shown. In the upper flat surface of the flange is formed a continuous sealing groove or channel 3. The upper portion of the body 1 above the flange 2 has its outer side preferably tapered or inclined inwardly toward the upper edges thereof as shown, whereby the cover is more

readily engaged with said upper portion of the vault body. It will be noted that the portion of the vault above the flange 2 is approximately one-third of the entire height of the vault, said extended upper portion of the vault thus entering a considerable distance into the cover when the latter is applied thereto and thereby forming a close tight closure for the vault.

Adapted to be engaged with the body portion of the vault is a cover 4, said cover having on the inner sides of its lower edges a continuous tongue or bead 5, which is adapted to enter the groove 3 formed in the upper side of the flange 2. The lower edges of the cover when thus arranged rest on or engage the upper edges of the flange 2 as shown. In the cover at the upper portion thereof is formed a right angular offset 6 around the inner side of which is secured a metal strip 7, the lower edges of which project a slight distance below the offset 6 and are bent inwardly to a slight extent as shown. The edges of the strip when thus projected below the offset 6 form between themselves and the inner side of the cover a continuous sealing groove or channel 8 with which the upper edge of the vault body is engaged when the cover is placed thereon. In the grooves or channels 3 and 8 is arranged a plastic sealing composition 9, which when the cover is placed on the vault is pressed between the contacting surfaces of the cover and body thereby forming a double water tight seal or connection between the cover and the vault.

Arranged in the body portion of the vault when the latter is formed is a reinforcing frame 10 which is preferably formed of expanded metal or heavy wire netting and is constructed in adjustably connected overlapping or telescoping sections which are adapted to be drawn apart or pushed together to a greater or less extent for vaults of different lengths. The upper edges of the overlapping portions of the frame are covered and held together by binding strips 11 which may be secured to the edges of the frame in any suitable manner. Around the upper edges of the frame is also arranged a binding wire 12 which is fastened to the edge in any suitable manner. On the outer sides of the reinforcing frame is an adjustable to different heights on the frame an outwardly extending flange 13 and a second

flange 13* which is preferably bound around its outer edges by a binding rod or wire 14. The flanges 13 and 13* are provided to reinforce the cover supporting flange 2 of the vault body. In the cover 4 is also arranged a reinforcing frame 15 constructed of expanded metal or similar material and formed in adjustably engaged sections in the same manner as the lower or body reinforcing frame 10. The engaging or overlapping edges of the inner ends of the frame sections have preferably engaged therewith binding plates 16 and around the lower edge of the reinforcing sections 15 is also preferably secured a binding rod or wire 17, said rod or wire and the binding wires 12 and 14 of the body reinforcing frames being preferably formed in sections.

The upper surface or body of the cover 3 of the vault is preferably rounded transversely and has its opposite ends formed at an angle or inclined as shown. In the cover and projecting above the upper side of the same is preferably arranged strap receiving loops 18 with which are adapted to be engaged suitable straps for lowering the cover or vault into the grave. The inner surface of the vault is preferably made absolutely water and air tight and acid proof by means of a sealing composition applied thereto.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advan-

tages of the invention as defined in the appended claims.

Having thus described my invention, what I claim is:

1. A concrete burial vault comprising a body portion having formed on its outer sides, a cover supporting flange, said flange having therein a continuous sealing groove, an extended cover receiving extension formed above said flange, a cover adapted to be engaged with said extension, said cover having on its lower edge a continuous sealing tongue adapted to enter the groove in said flange, an offset formed on the inner side of the cover, a metallic strip arranged around and projecting below said offset and having its lower edge bent inwardly at an inclination, thereby forming a continuous sealing groove or channel adapted to receive the upper edge of the extended upper portion of the body of the vault whereby said cover is doubly sealed.

2. A reinforced concrete burial vault comprising a body provided with a cover supporting flange, a main metal reinforcing frame composed of overlapping sections embedded in the body and slidable upon each other whereby the frame is adjustable, and a separate frame piece having a horizontally projecting flange extending from the frame into the cover-supporting flange and adjustable to different heights on the main frame.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM B. BUSSARD.

Witnesses:

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