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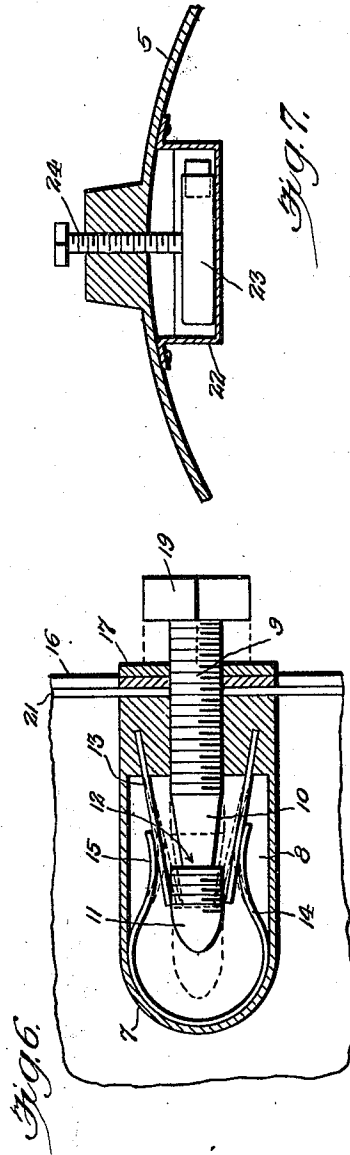
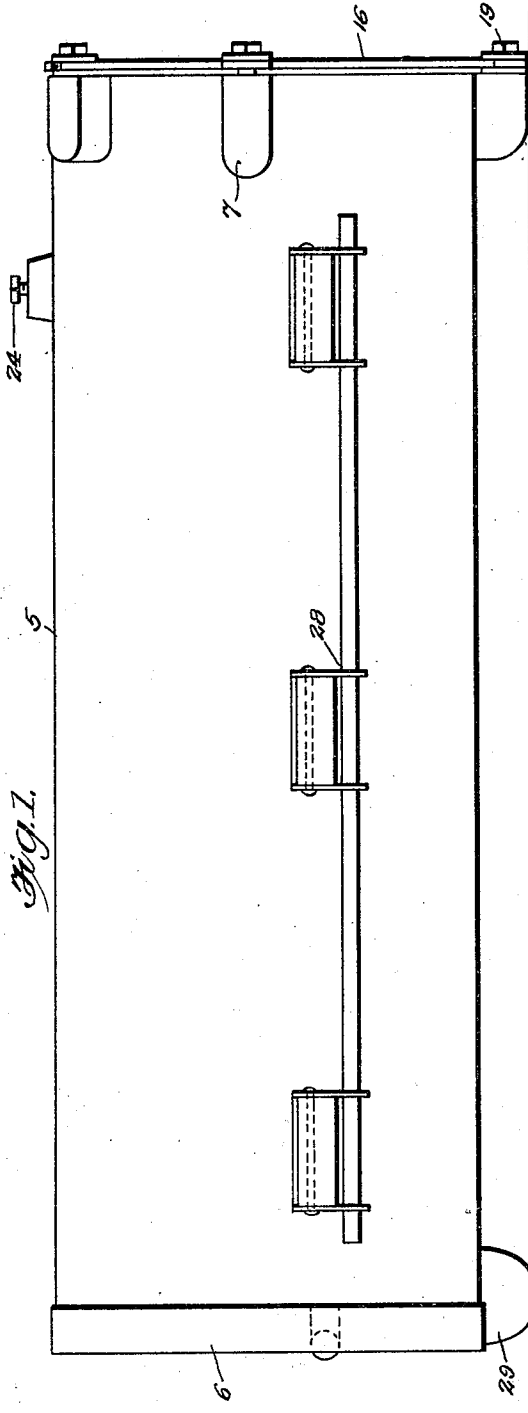
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J. F. W. KIPP

BURIAL VAULT

Filed Jan. 19, 1928

2 Sheets-Sheet 1



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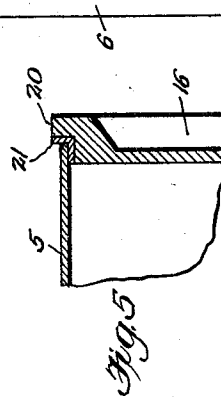
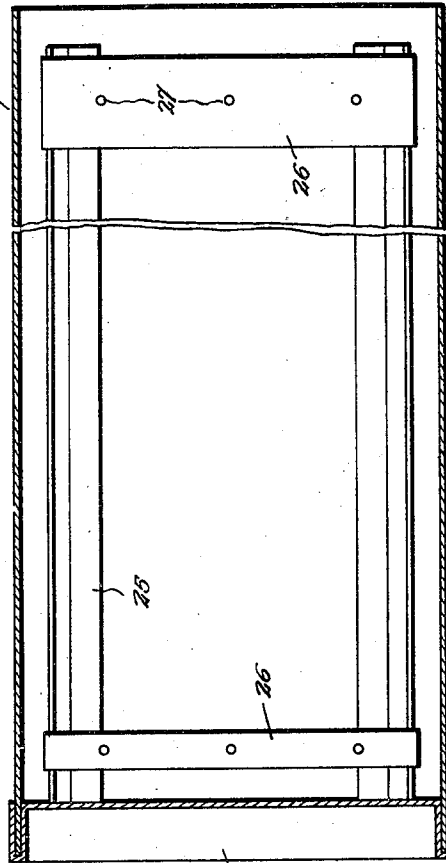
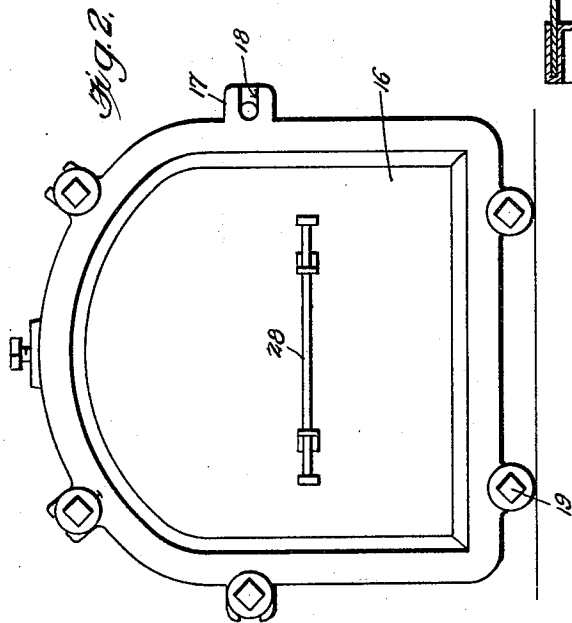
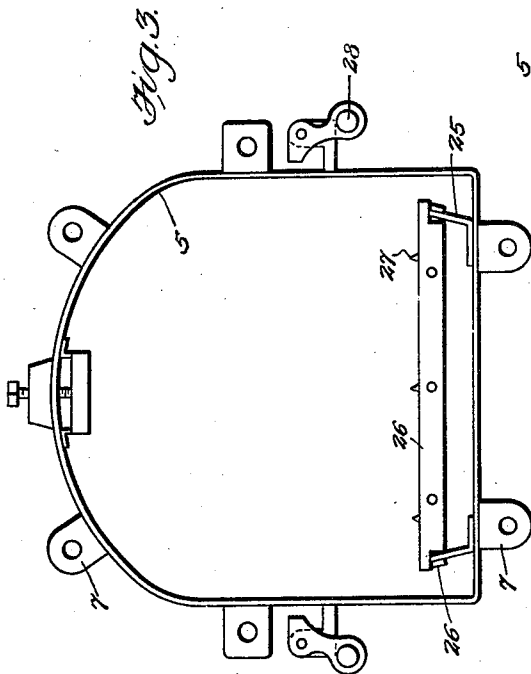
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE.

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## BURIAL VAULT.

Application filed January 19, 1928. Serial No. 247,883.

The present invention relates to a burial vault and has for its object to provide a container open at one end in which the casket may be placed and having a removable cover fitted over such open end and adapted to form a seal for the same.

A further object of the invention is to provide fastening means for the cover arranged to prevent the removal of the cover after the same has once been placed in position.

A still further object is to construct an article of this character of sheet metal, having its body portion cast in a single piece and provided with a separate end section permanently secured in position thereon in any suitable manner, and by welding, riveting or otherwise, so that when the removable cover is placed in position upon the opposite end of the vault, the same will constitute an air and water tight container of rigid construction and in which distortion of its shape is prevented upon the settling of the graves within which the same is placed.

Another object of the invention is to arrange a container within the interior of the vault in which may be placed a bottle containing an anæsthetic or other chemical producing fumes tending to deaden the sensibility of a person and adapted to be opened for discharging such fumes from the outside of the vault, after the same has been sealed.

A still further object is to provide an article of this character of simple and practical construction, which is strong and durable, neat and attractive in appearance, inexpensive to manufacture and otherwise well adapted to the purposes for which the same is intended.

Other objects and advantages reside in the special construction and combination of the various elements comprising the invention, reference being had to the accompanying drawings forming a part hereof, wherein:—

Figure 1 is a side elevational view of the vault in sealed position,

Figure 2 is an end elevational view taken from the cover end thereof,

Figure 3 is a similar end view with the cover removed,

Figure 4 is a longitudinal horizontal sectional view through the vault,

Figure 5 is a fragmentary sectional de-

tail of the cover end of the vault showing the manner in which the cover forms a seal thereupon,

Figure 6 is a longitudinal sectional view through one of the fasteners, and

Figure 7 is a detail of the anæsthetic container arranged within the vault.

Referring now to the drawing in detail, the invention comprises a vault including a body portion 5, preferably constructed of sheet metal or other rigid material and formed of a single piece of material with each end open. An end section 6 is fitted at one end of the body having its edges formed into a panel for receiving the end of the body and permanently secured in position thereon, as by welding or otherwise securing the same to form an ear and watertight fit thereupon.

At the opposite end of the body and upon the outer surface thereof is provided a plurality of bosses 7 extending circumferentially about the body in spaced relation, each of said bosses having a compartment 8 formed therein and having its outwardly disposed end provided with a threaded opening within which a threaded bolt 9 may be inserted. A reduced section 10 is formed adjacent the inner end of the bolt having its sides tapering toward the inner end thereof as clearly illustrated in Figure 6 of the drawing to form a head 11 at the inner end of the bolt of the same diameter as the bolt, the end of the head adjacent the reduced section 10 forming an abrupt shoulder as indicated at 12.

Within the chamber 8 of the boss is arranged a plurality of spring steel rods 13 extending substantially longitudinally with respect to the bolt 9 and having one end of each thereof seated within a recess formed in the end of the boss provided with the bolt opening and with their opposite ends extending toward the head 11 formed on the bolt and adapted to permit the headed end of the bolt to pass between the rods during the insertion of the same. A leaf spring 14 is also carried within the chamber 8 of the boss having its ends 15 disposed in substantially parallel relation and yieldably urged toward each other. The ends of the spring 15 are fitted over the rods 13 whereby to force the free ends of the rod into engagement with the fitted end of the bolt and it

will thus be apparent that as the bolt is threaded into the boss, as soon as the head 11 reaches the inner end of the rods 13 the same will engage the shoulder 12 of the bolt and thus prevent removal thereof from the boss. A removable cover 16 is adapted to be fitted over the end of the boss adjacent the bosses 7. Extending laterally from the edges of the cover 16 is formed a plurality of openings 18 thereof adapted to register with the bolt 9 thus enabling the bolt to be fitted in such opening.

The outer end of the bolts 9 are formed into a nut head 19 in order to facilitate the inward threading of the bolt into the boss.

As will be observed from an inspection of Figure 5 of the drawings the inner edge of the cover 16 is of a slightly smaller diameter than the body 5 thus enabling the head of the body to fit upon the inner edge of the cover. A flange 20 is formed about the edge of the cover 16 of a relatively larger diameter than the body forming an abutment for the same preventing the cover 16 from being forced inwardly of the body. The gasket or packing 21 is interposed between the edge of the body 5 and at the edge of the cover 16 forms an airtight seal therebetween. By disposing a portion of both the fixedly secured end 6 and the removable cover 16 inwardly of each end of the body as illustrated in Figures 4 and 5 of the drawing it will be apparent that the body is thus supported on the respective end to prevent distortion of the body from pressure exerted upon the outer surface thereof.

Arranged within the body of the vault and secured to the top portion thereof is a liquid container 22 open at its top within which may be placed a glass or other frangible receptacle 23 adapted to contain a quantity of chloroform or other anaesthetic suitable when the receptacle is open to create fumes for deadening the sensibilities of the person. Disposed immediately above the receptacle 23 and threadedly inserted in the top of the vault 5 is a screw 24 having its headed end operable from the outside of the vault and adapted to have its inner end engage the receptacle 23 so that upon the insertion of sufficient pressure upon the screw the receptacle will be broken and the contents of the receptacle discharged into the container 22.

Within the body of the vault, at the bottom portion thereof is arranged a pair of tracks 25, which may be constructed of angle iron, as illustrated in Figures 3 and 4 of the drawing with one edge thereof extending vertically and upon the upper edge of which is mounted a plurality of supports 26 arranged for sliding movement longitudinally of the track. The upper surface of the supports 26 are provided with upwardly extending bights 27 enabling the supports to be engaged in gripping relation with the bottom portion of a casket upon placing the same thereon so

as to permit the casket to be freely moved longitudinally within the vault from the open end thereof.

Handles 28 are formed at each side of the body 5 and on each of the ends 16.

At the under side of the body adjacent the end 6 may be arranged one or more seats 29. Handles 28 are formed at each side of the body 5 and on each of the ends 6 and 16.

At the under side of the body adjacent the end 6 may be arranged one or more seats 29, a pair of the bosses 7 being formed on the under side of the body 5 at the cover end thereof to form similar seats at such end.

It will be apparent from the foregoing description that after the casket has been placed within the boss the cover 16 may be placed on the open end thereof and upon threading the bolt 9 inwardly to a sufficient extent to permit the engagement of the rod 13 with the shoulder 12 of the head at the inner end of the bolt the cover is thus secured against removal.

The interior of the vault is thus sealed to prevent the entrance of air or water to the interior thereof and is of a sufficiently rigid construction to maintain its shape and prevent distortion of the body portion from pressure exerted against the outside of the vault after the same has been placed within the grave, as for instance by the settling of the earth at the bottom of the grave.

It is obvious that the invention is susceptible of various changes and modifications, without departing from the spirit or scope of the invention or sacrificing any of its advantages, and I accordingly claim all such forms of the device to which I am entitled.

Having thus described my invention, what I claim as new is:

1. In a fastening device for the covers of receptacles comprising a hollow boss formed on the receptacle adjacent the cover opening, a bolt engageable with the cover and threadedly inserted through one of the walls of the boss, said bolt having a section adjacent its inner end of a reduced diameter whereby to form a head at the inner end of the bolt, a plurality of rods having one end of each thereof secured at the interior of the boss with their opposite ends extending substantially longitudinally with the bolt and a spring clip engaging said rod and urging the free end thereof toward the bolt whereby to engage the head upon the insertion of the bolt to a predetermined extent for preventing the withdrawal thereof.

2. In a fastening device for receptacle covers, a plurality of enclosed compartments formed at spaced intervals about the open end of the receptacle, each of said compartments having a threaded opening extending through the wall thereof adjacent the cover, a plurality of bolts carried by the cover for insertion in said openings of said compart-

ments, a head formed on the inner end of each of said bolts and adapted for positioning in their associated compartments in spaced relation from the walls thereof, a plurality of  
5 rods having one end of each thereof secured at the interior of each compartment with their opposite ends extending substantially longitudinally with respect to the associated bolt, and a spring clip arranged within each compartment and engaging said rods for  
10 urging the free ends thereof toward the associated bolt whereby to engage the head thereof upon the insertion of the bolt to a predetermined extent within said compartment.

In testimony whereof I affix my signature.

JOHN F. W. KIPP.