

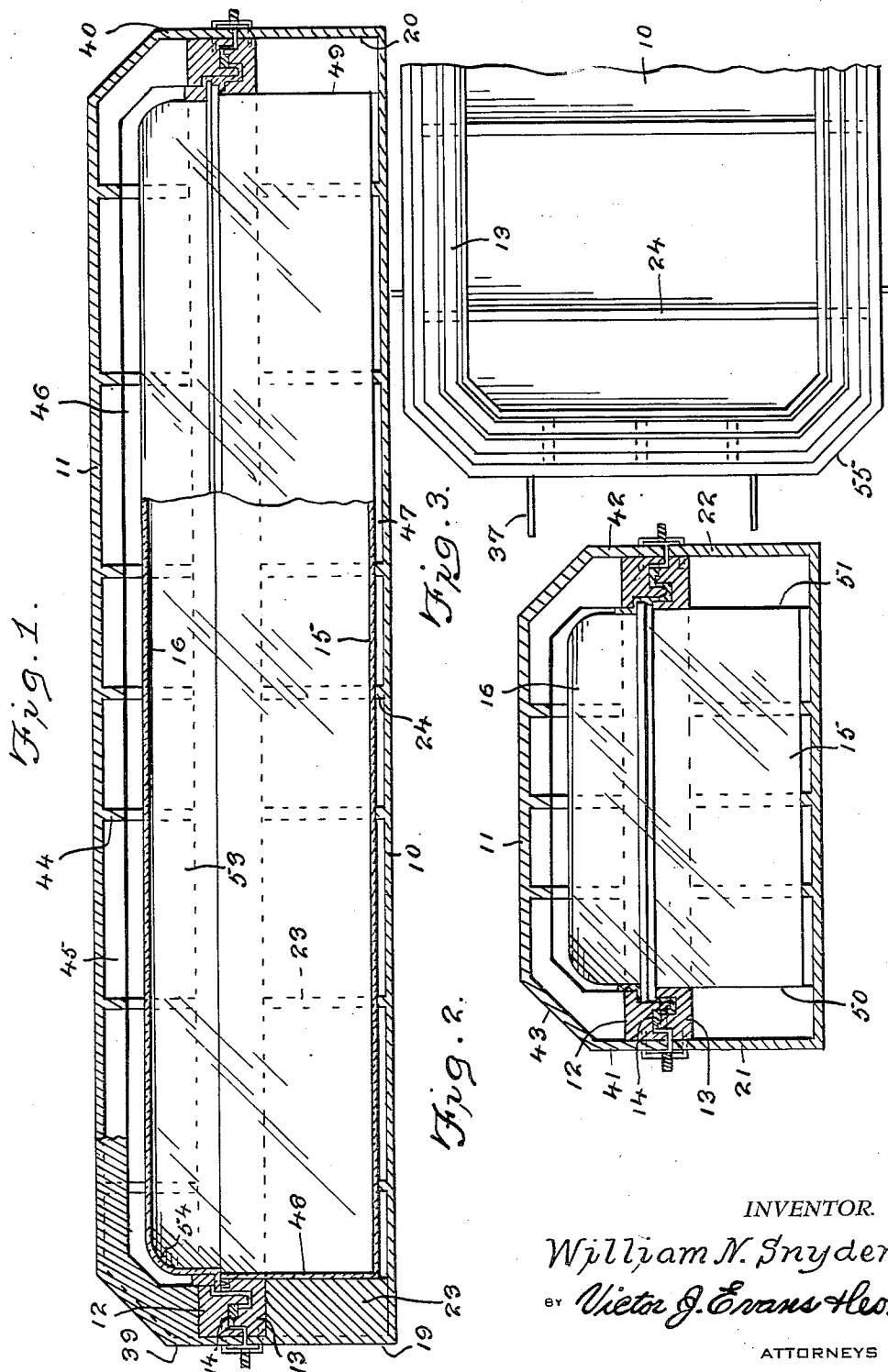
May 27, 1958

W. N. SNYDER
BURIAL CAPSULE

2,835,955

Filed June 8, 1954

2 Sheets-Sheet 1



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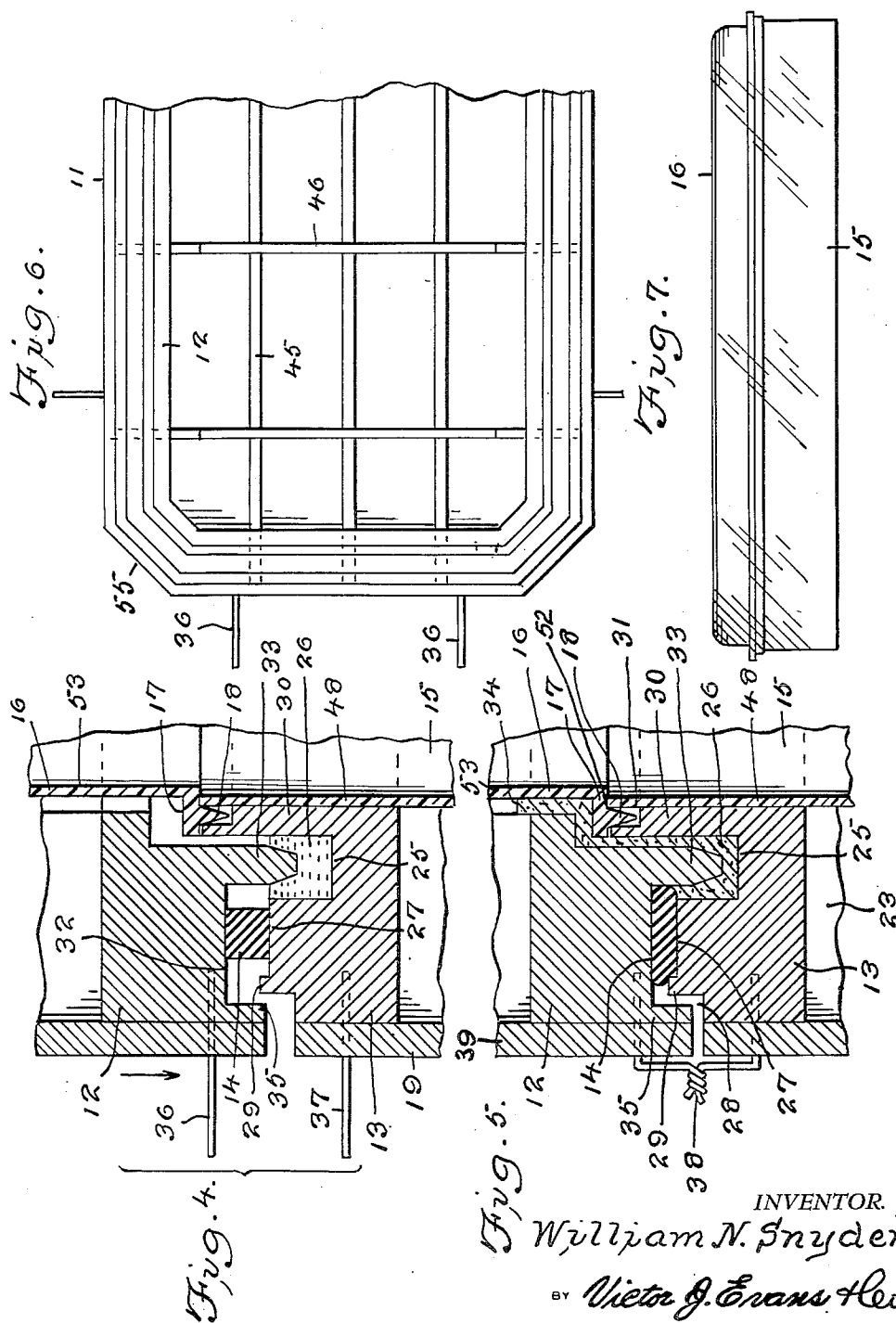
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BURIAL CAPSULE

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3 Claims. (Cl. 27-17)

This invention relates to burial devices generally referred to as caskets, and in particular, a double-wall housing having a dead air space between the walls with an inner casing, somewhat similar to a conventional casket, in that the device is provided with a base and a cover with sealing means between the cover and base, and an outer housing formed with reinforced concrete or the like and having male and female sealing slots in meeting edges whereby, with an upper section providing a cover positioned upon a lower section providing a base and with the parts tied together with twisted wires extended from the units, a continuous sealed joint is provided between the meeting edges of the cover and base.

The purpose of this invention is to provide a burial device or capsule that combines the characteristics of both a casket and a vault and that is permanently both air tight and water proof.

Numerous attempts have been made to seal meeting edges of the upper and lower parts of caskets, and whereas extended flanges have been provided for providing mounting means of sealing elements, such devices only protect the casket at the meeting edges of the cover and base and do not insure against cracks or other openings formed by settling or other changes in the foundation upon which the casket is positioned. With this thought in mind, this invention contemplates a completely sealed inner container and a complete positively sealed outer housing with a dead air space between the container and housing wherein flexibility of movement is provided between the parts so that permanent sealing is substantially assured.

The object of this invention is, therefore, to provide means for forming a burial device that constitutes, substantially a casket, and a vault in which the casket is positioned.

Another object of the invention is to provide a double-wall container in which independent sealing means is provided in both inner and outer walls thereof.

A further object of the invention is to provide a combination casket and vault which substantially insures permanent sealing of an inner chamber in which the device is of a comparatively simple and economical construction.

With these and other objects and advantages in view, the invention embodies a housing having a base with upwardly extended side and end walls, a cover having an upper panel and also having side and end walls, sealing elements positioned between the side and end walls of the base and cover and an inner container also having a base with side and end walls extended upwardly therefrom and a cover with a continuous flange and wherein sealing means is provided between the lower edge of the flange of the cover and the upper edges of side and end walls of the base of the inner container, the outer wall of the housing being provided with means for connecting the side and end walls of the cover to the side and end walls of the base.

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Other features and advantages of the invention will appear from the following description taken in connection with the drawings, wherein:

Figure 1 is a longitudinal section through the combination burial capsule with parts of an inner container broken away showing the interior thereof.

Figure 2 is a cross section through the device shown in Figure 1 showing the outer housing in section and the inner container in elevation.

Figure 3 is a plan view showing a portion of one end of the base of the housing, the opposite end portion of the base being broken away.

Figure 4 is a detail showing a cross section through the sealing blocks or rails with other parts of the device broken away showing the parts in released positions.

Figure 5 is a cross section similar to that shown in Figure 4 showing the sealing blocks or rails pressed together wherein sealing elements are compressed or extended to completely seal openings between the blocks.

Figure 6 is a detail, similar to that shown in Figure 3, showing the under surface of the cover of the housing with a portion of the cover broken away.

Figure 7 is a detail showing a side elevational view of the inner container which is used in the housing.

Referring now to the drawings wherein like reference characters denote corresponding parts, the improved burial capsule of this invention includes an outer housing having a base 10, a cover 11, endless sealing blocks formed with an upper male rail 12, a lower female rail 13 and a sealing element 14, and an inner container having a base 15 and a cover 16, the cover being provided with a flange 17 and a depending V-shaped tongue 18.

The base 10 of the outer housing includes a continuous panel having vertically disposed end walls 19 and 20 and side walls 21 and 22 and, as illustrated in Figures 1 and 2, a continuous rail, as indicated by the numeral 13, is positioned in the upper edges of the side and end walls, the rail being supported with inwardly extended webs, as indicated by the numeral 23. The base 10 is also provided with spaced ribs, as indicated by the numeral 24, upon which the lower surface of the base 15 is positioned.

The female rails 13 which are supported on the upper edges of the webs 23 and which are shown in detail in Figures 4 and 5 are provided with inner channels 25 in which a sealing compound such as Fiberglas of polyester resin is positioned, such as indicated by the numeral 26, and there is provided an intermediate ridge 27 upon which a sealing gasket 14 of a suitable pliable material is positioned and a groove 28 that provides an opening for the escape of condensation or other moisture. The ridge 27 is also provided with an outer rib 29 that provides means for retaining the material of the gasket in position. The inner portion of the rail 13 is provided with a flange 30 that provides means for retaining the material 26 in the channel 25 and the upper edge of the flange 30 is provided with a groove 31 that is positioned to receive the tongue 18 of the flange 17 on the lower edge of the flange of the cover 16 of the inner container.

With the parts formed in this manner, the sealing gasket 14, which is originally provided in the pattern illustrated in Figure 4, is pressed downwardly with a surface 32 of the male rail 12 and a tongue 33 also on the lower surface of the male rail passes into the channel 25 forcing the sealing compound 26 upwardly, as illustrated in Figure 5, to a point 34, thereby completely sealing the joint between the cover and base of the housing.

The upper or male rail 12 is also provided with a continuous flange 35 that is positioned to extend into the groove 28 of the lower female rail, and the rails are also

provided with wires 36 and 37 that are imbedded in the material of the rails and also of the side and end walls of the base and cover and, as illustrated in Figure 5, the ends of these wires are twisted together to provide means for retaining elements of the rails in nesting relation. The twists at the ends of the wires which, although preferably formed of 1/8-inch copper, may be made of any suitable material, are indicated by the numeral 38. Although it is preferred to use two wires on the sides of the forms and one wire at each end, it will be understood that as many wires as may be desired may be used.

The upper section or covering 11 of the housing is also provided with end walls 39 and 40 and side walls 41 and 42 and the upper edges of the side and end walls are connected to the panel or cover 11 with diagonally disposed or beveled sections 43. The cover is also provided with transversely disposed ribs 44 and longitudinally disposed webs 45, the webs extending to the upper surface of the upper rail 12. By this means, dead air space, as indicated by the numeral 46, is provided between the cover 11 and upper part of the inner container and corresponding dead air space, as indicated by the numeral 47, is provided between the lower portion of the housing and the lower portion of the inner container.

The lower portion or base 15 of the inner container is also provided with upwardly extending end walls 48 and 49 and side walls 50 and 51, and as illustrated in Figure 5, the upper edges of the side and end walls terminate at the point 52, at which point the lower surface of the flange 17 of the cover is positioned.

The cover 16 of the inner container is provided with a continuous flange, as indicated by the numeral 53, and the flange 17 extends from the lower edge of the flange 53, as shown particularly in Figures 4 and 5. The flange 53 is connected to the panel of the cover 16 with an arcuate section 54.

The base 10 and cover 11 may also be provided with beveled or diagonally positioned corners, as indicated by the numeral 55 and as shown particularly in Figures 3 and 6.

With the parts formed as illustrated and described, a burial capsule is provided wherein a body positioned in the base of the inner container is sealed, such as in a casket, and with the inner container, which may be formed of metal, plastic or other suitable material, closed, the inner container may be positioned in the base of the housing and the cover 11 positioned with the plastic sealing material 26 in the channel 25 and with the pliable gasket 14 positioned upon the ridge 27 wherein, with pressure applied to the cover, the gasket 14 is compressed to the position shown in Figure 5 and the sealing material forced upwardly to the point 34, also as shown in Figure 5.

By this means, a permanently sealed container is provided and, with the dead air space between the housing and inner container, the inner container is not only sealed from air and water, but is not subject to changes in temperature.

It will be understood that modifications, within the scope of the appended claims, may be made in the design and arrangement of parts without departing from the spirit of the invention.

What is claimed is:

1. In a burial device, the combination which comprises a housing including a base having a lower panel with upwardly extended side and end walls and having a continuous female rail with grooves in the upper surface secured to the inner surfaces of the side and end

walls, said base also having spaced ribs therein, an inner container having a base with upwardly extended side and end walls positioned within the female rail of the housing and mounted upon said ribs, a cover having a depending flange positioned upon the inner container and having a continuous sealing tongue extended into a groove in said female rail, a cover also having a continuous panel with depending side and end walls having a male rail with tongues positioned to coact with grooves of the female rail of the base of the housing and adapted to coact with a sealing compound in the female rail of the base for sealing the housing, and a fastening means for securing said second mentioned cover to the outer housing base.

2. In a burial device, the combination which comprises a housing including a base having a lower panel with upwardly extended side and end walls and having a continuous female rail with grooves in the upper surface secured to the inner surfaces of the side and end walls, said base also having spaced ribs therein, an inner container having a base with upwardly extended side and end walls positioned within the female rail of the housing and mounted upon said ribs, a cover having a depending flange positioned upon the inner container and having a continuous sealing tongue extended into a groove in said female rail, a cover also having a continuous panel with depending side and end walls and having a male rail with tongues positioned to coact with grooves of the female rail of the base of the housing and adapted to coact with a sealing compound in the female rail of the base for sealing the housing, a fastening means for securing said second mentioned cover to the outer housing base, and a continuous gasket of pliable material positioned between meshing elements of the male and female rails of the housing.

3. In a burial device, the combination which comprises a housing including a base having a lower panel with upwardly extended side and end walls and having a continuous female rail with grooves in the upper surface secured to the inner surfaces of the side and end walls, said base also having spaced ribs therein, an inner container having a base with upwardly extended side and end walls positioned within the female rail of the housing and mounted upon said ribs, a cover having a depending flange positioned upon the inner container and having a continuous sealing tongue extended into a groove in said female rail, a cover also having a continuous panel with depending side and end walls having a male rail with tongues positioned to coact with grooves of the female rail of the base of the housing and adapted to coact with a sealing compound in the female rail of the base for sealing the housing, a fastening means for securing said second mentioned cover to the outer housing base, a continuous gasket of pliable material positioned between meshing elements of the male and female rails of the housing, said ribs providing dead air space between the inner container and housing.

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