H. L. PANGBORN.

VAULT.

APPLICATION FILED JULY 27, 1909.

975,788.

Patented Nov. 15, 1910.

2 SHEETS—SHEET 1.

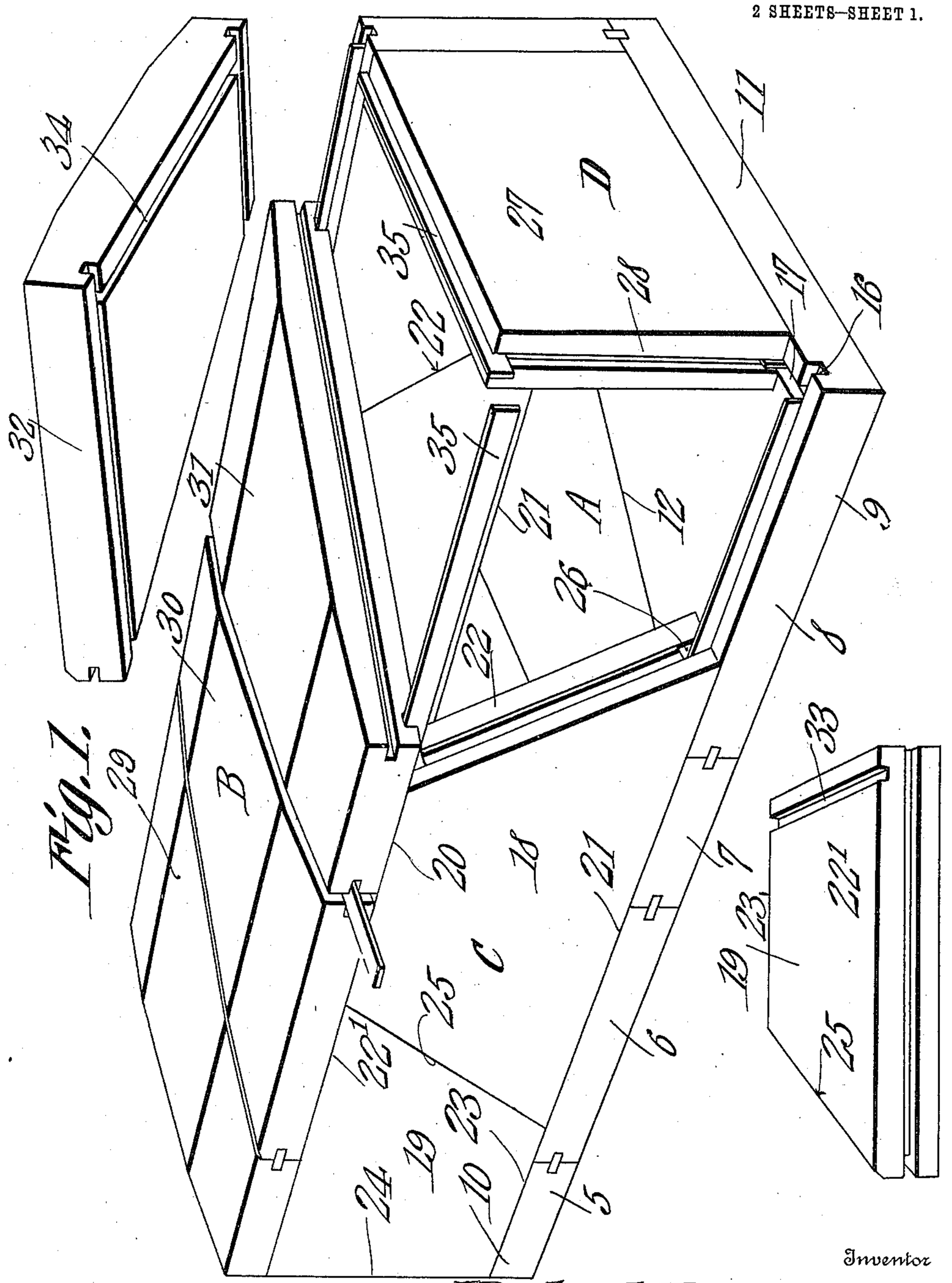

Fig. 1.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

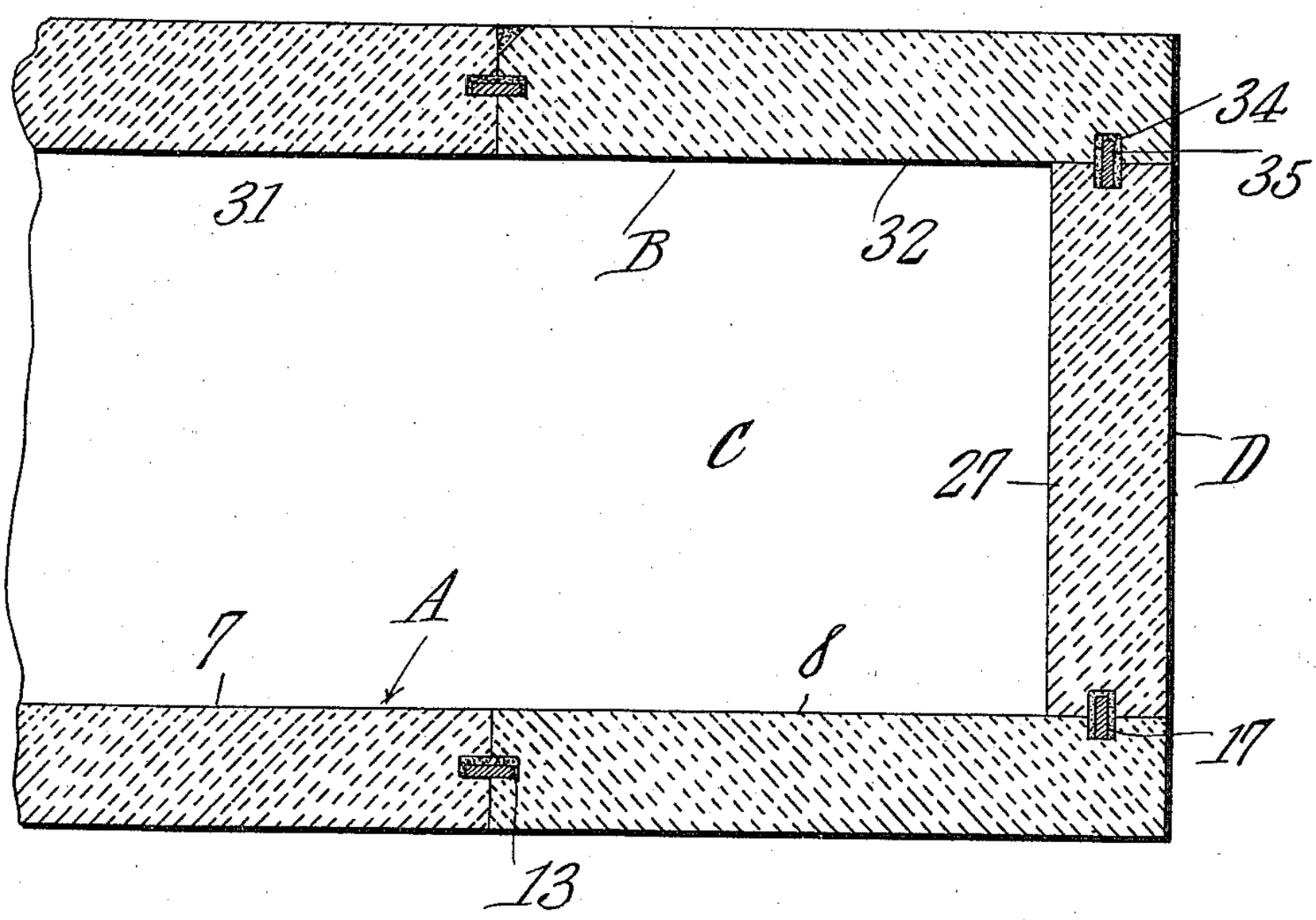


Fig. 3.

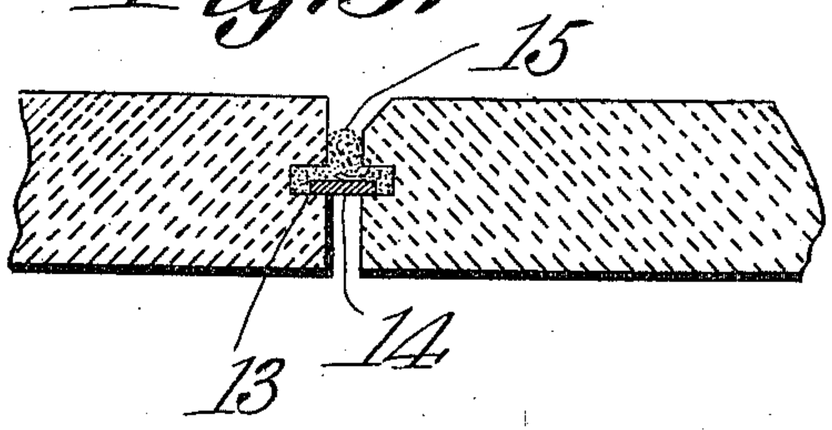
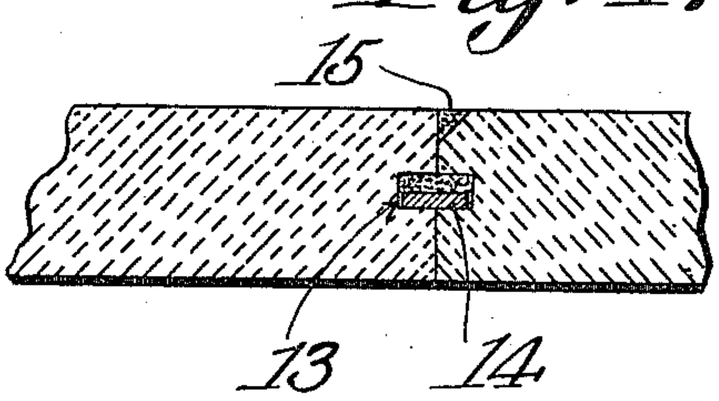


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

HERBERT L. PANGBORN, OF MAQUOKETA, IOWA.

VAULT.

975,788. Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed July 27, 1909. Serial No. 509,819.

To all whom it may concern:

Be it known that I, HERBERT L. PANGBORN, a citizen of the United States, residing at Maquoketa, in the county of Jackson and State of Iowa, have invented a new and useful Vault, of which the following is a specification.

It is the object of the present invention to provide an improved construction of vault for containing burial caskets.

The invention aims primarily to provide a vault for this purpose which will be impervious to moisture and will be substantial when properly set up.

The vault embodying the present invention is comprised of a plurality of sections which are fitted together to form the walls of the vault and the invention aims to so construct and form these sections that they will sustain a maximum pressure or weight.

The invention further aims to provide means for bonding and hermetically sealing together the edges or meeting portions of the sections of the vault so that not only will these sections be held against separation but moisture will be excluded.

In the accompanying drawings:—Figure 1 is a perspective view of the vault constructed in accordance with the present invention, one of the sections comprising the top wall of the vault and one of the sections comprising the side walls being removed or displaced but being illustrated also in perspective. Fig. 2 is a vertical longitudinal sectional view through about one-half of the length of the vault. Fig. 3 is a vertical sectional view in detail and through the meeting of the edges of two of the sections showing the manner in which these sections are relatively disposed prior to being hermetically sealed. Fig. 4 is a view similar to Fig. 3 showing the sections completely sealed.

In the drawings, the bottom wall of the vault is indicated in general by the reference character A, the top wall by the reference character B, the side wall by the reference character C, and the end walls by the reference character D. As heretofore stated, each of these walls is made of a plurality of sections which are fitted edge to edge and while it is preferable that the sections be of the same number, in the ordinary vault, as herein illustrated, it is to be understood that the number of sections comprising each wall may vary.

The bottom wall A of the vault is illustrated as comprised of four sections indicated one by the reference numeral 5, another by the reference numeral 6, and still another by the reference numeral 7 and the fourth by the reference numeral 8. Sections 5 and 8 are the end sections and are of counterpart structure except that, in building or in setting up the bottom wall, the two sections are disposed in reverse relation. Each of these sections 5 and 8 has a long side edge 9 and a short side edge 10 and is further bounded by an edge 11 which extends at right angles to edges 9 and 10 and forms the end edge of the bottom wall as an entirety. In addition to the edges above described, each section 5 and 8 has an oblique edge 12. The sections 6 and 7 of the bottom wall of the vault are also of counterpart structure and are substantially identical in form or in outline with the sections 5 and 8 except that their edges corresponding to edges 11 in sections 5 and 8 are disposed one against the other and extend transversely medially of the vault. The oblique sections 5 and 6 are disposed one against the other as are also the corresponding edges of the sections 7 and 8 and in order to form a water tight joint between these edges and also between the straight edges of the sections 6 and 7 all of the said edges are grooved as indicated, for example, in Fig. 2 of the drawings by the reference numeral 13, and in assembling the several sections to complete the bottom wall of the vault the sections are placed together or rather in juxtaposition, as shown in Fig. 3 of the drawings, and a metallic bar 14 is disposed with its longitudinal edges extending within the grooves 13 and cement, indicated in the mass by the numeral 15, is then poured into the space afforded by the said edges of the sections, filling the grooves and the space between the edges within the grooves. After this has been done the several sections are shoved together until their edges abut, as shown in Fig. 4 of the drawings, whereupon the cement is allowed to set as will be readily understood.

The upper face of each section of the bottom wall of the vault is formed, parallel to its long and short side edges, with a groove, which is indicated by the numeral 16 and extends the entire length of the section. These grooves of the several sections register or match when the sections are assembled whereby a continuous groove is afforded at each side of the said bottom wall of the

vault. In a similar manner, the sections 5 and 8 are formed in their upper faces parallel to the edges 11 each with a groove 17. From the foregoing, it will be understood that when several sections of the bottom wall of the vault are assembled a continuous groove of rectangular extent will result.

Each side of the vault is comprised of an intermediate section 18 and the end sections 19 disposed one at each end of the indicated section 18. Section 18 is bounded by parallel upper and lower edges 20 and 21 respectively and oblique lateral edges 22 which incline downwardly and outwardly, the upper edge 20 being of less length than the lower edge 21. Each of the sections 19 is bounded by upper and lower parallel edges 22′ and 23, respectively, by a vertical lateral edge 24 at right angles to edges 22′ and 23 and by an oblique edge 25, disposed at the same angle as edges 22 of the indicated section 18. Each of the edges of the several sections comprising the side walls of the vault is provided with a groove indicated by the numeral 26 with the exception of the vertical lateral edges on the end sections of the side wall sections and the edges of these sections when disposed one against the other are hermetically bonded together in the same manner as disclosed in describing the bottom sections of the vault. The end walls of the vault are comprised each of a single section indicated by the numeral 27 which is rectangular in outline and in formed at each edge with a groove 28.

The top wall of the vault is comprised of four sections indicated severally by the numerals 29, 30, 31 and 32 and these sections, in the order mentioned, are identical with the sections 5, 6, 7 and 8 comprising the bottom wall of the vault and are assembled in the same manner. Each of the end sections 19 of the side walls of the vault is formed in its inner face adjacent and parallel to its vertical lateral edge with a groove which is indicated by the numeral 33 and is assembled, the side walls with the end walls, the said grooves 33 registering with the grooves 28 formed in the vertical edges of the end walls 27 of the vault and receiving a bonding bar similar to the bar 14 in a like manner. The under sides of the several sections comprising the top wall of the vault are assembled with grooves 34 which correspond to grooves 16 and 17 formed in the upper faces of the sections comprising the bottom walls of the vault, and those grooves in the sections of the top wall register with the grooves in the upper edges of the side and end wall sections of the vault and the top wall sections are disposed in assembled relation upon said upper edges of the side walls and bonding bars similar to bars 14 indicated by the numeral 35 being disposed within the grooves.

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

A burial vault having a bottom wall, a top wall, side walls, and end walls, the said bottom wall consisting of a plurality of sections fitted together edge to edge and having their said edges formed with registering grooves, the upper faces of the said sections being each formed with a groove parallel and adjacent to each side edge, the said grooves at each side of the said bottom wall registering at their ends, each of the said side walls of the vault consisting of a plurality of sections formed in their lower edges with grooves registering with the grooves in the upper faces of the sections of the bottom wall, the top wall also consisting of a plurality of sections disposed at their side edges upon the upper edges of the sections of the side walls of the vault and formed in their under faces adjacent and parallel to their side edges with grooves, the upper edges of the sections of the side walls of the vault being formed with grooves registering with the said grooves in the under faces of the sections of the top wall of the vault, the end walls of the vault consisting each of a single section formed in its upper, lower and side edges with grooves, the end sections of the bottom wall, the end sections of the top wall, and the end sections of the side walls being formed in their upper, under, and opposed faces respectively with grooves registering with the grooves in the edges of the end walls, and bars fitted in all of the registering grooves, the sections of the bottom, top, and side walls of the vault being each of greater width at one end than at the other and so arranged that the ends of the registering edges of the sections of the side walls will be out of registration with the ends of the registering edges of the bottom and top walls.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERBERT L. PANGBORN.

Witnesses:

H. L. Benjamin,

Lew Hesse.