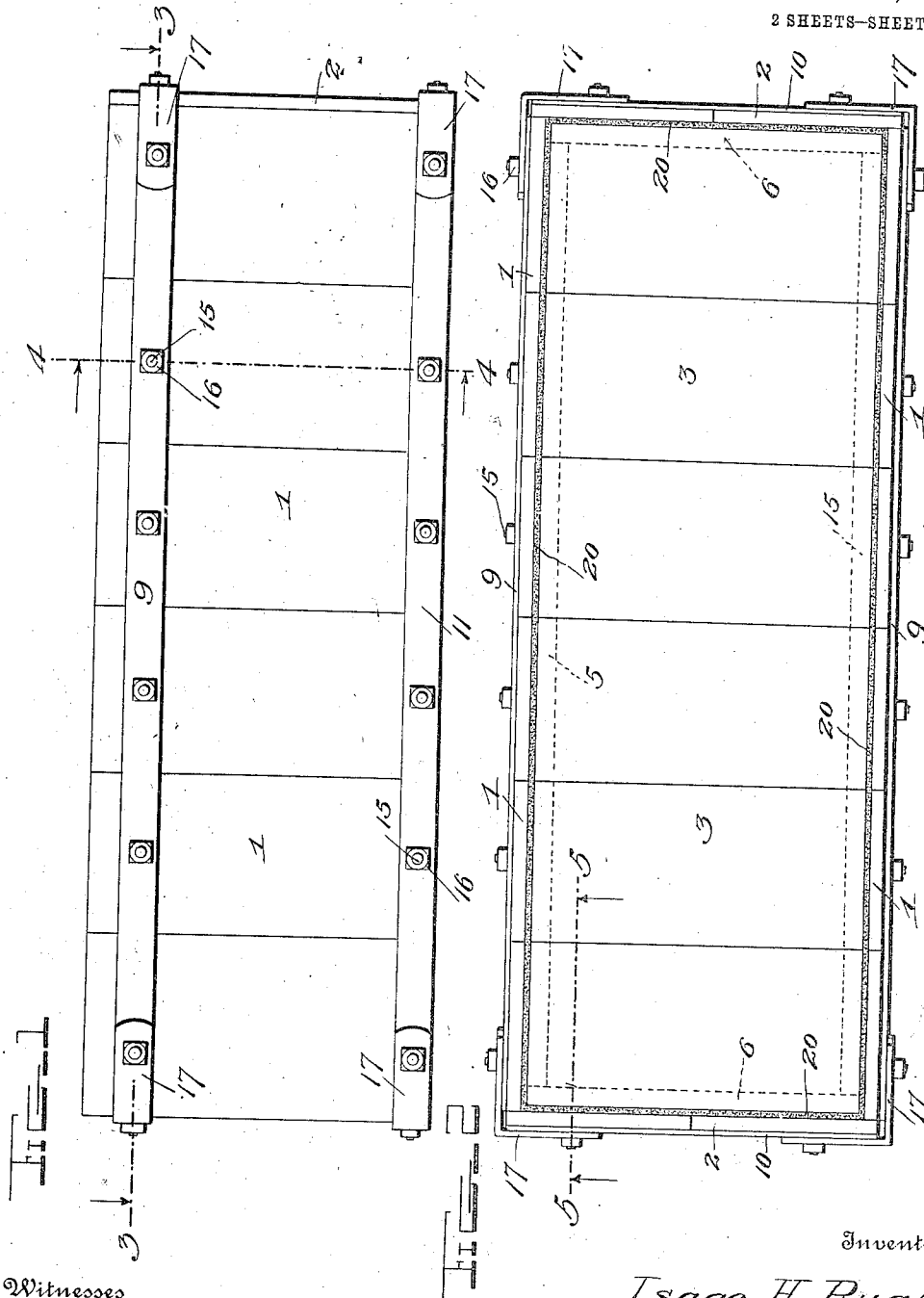


I. H. RYAN.
BURIAL VAULT.
APPLICATION FILED OCT. 20, 1911.

1,063,393.

Patented June 3, 1913.

2 SHEETS—SHEET 1.



Witnesses

E. E. E. E.

Mary C. Sheridan

By

Isaac H. Ryan

Geo. W. Sues.

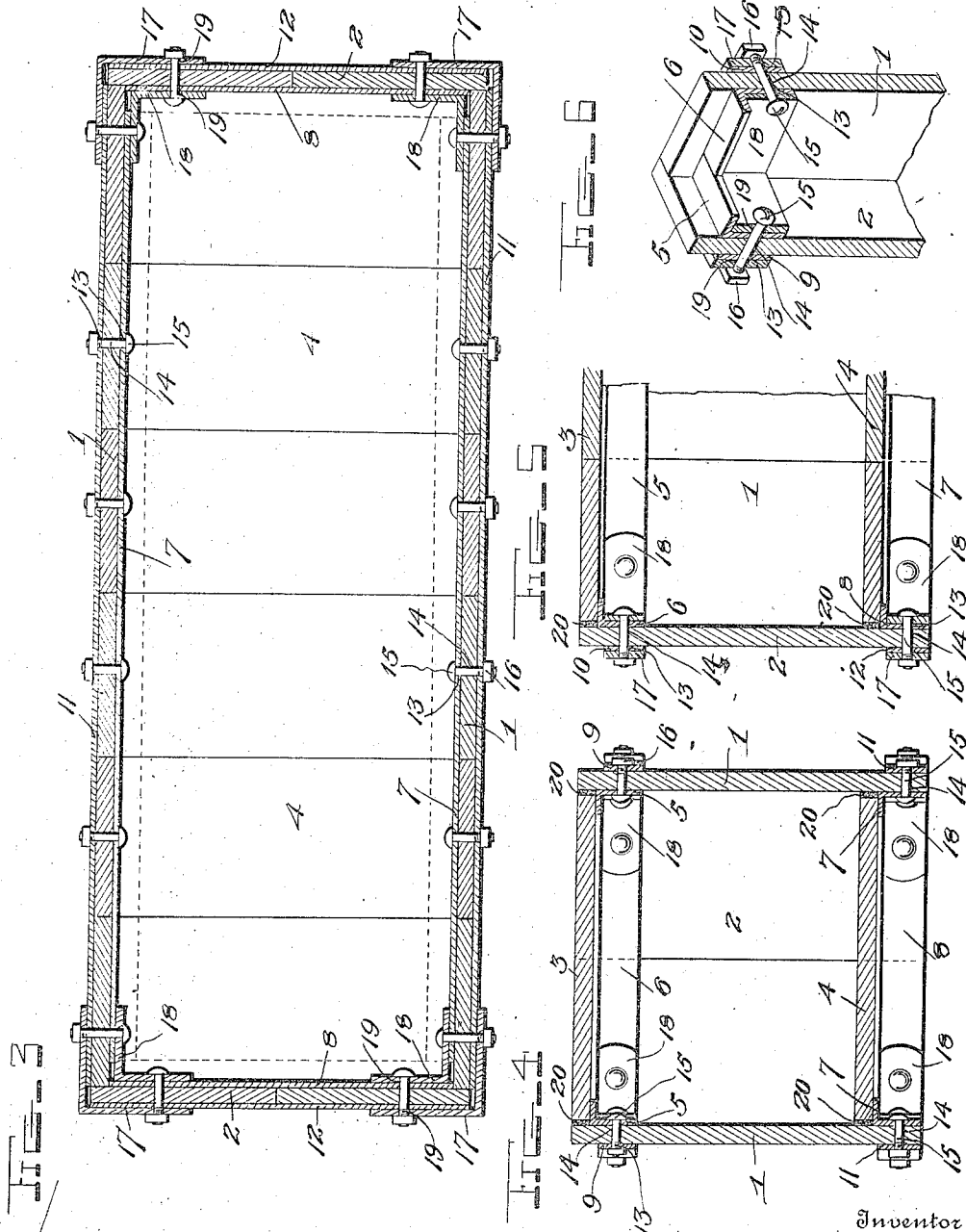
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Witnesses

Mary C. Sheridan

Inventor

Isaac H. Ryan

Geo. W. Sues

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UNITED STATES PATENT OFFICE.

ISAAC H. RYAN, OF LANCASTER, PENNSYLVANIA.

BURIAL-VAULT.

1,063,393.

Specification of Letters Patent.

Patented June 3, 1913.

Application filed October 20, 1911. Serial No. 655,708.

To all whom it may concern:

Be it known that I, ISAAC H. RYAN, a citizen of the United States, and a resident of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Burial-Vaults, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in burial vaults.

One object of the invention is to provide a burial vault formed of a plurality of sections adapted to be assembled and firmly secured together and braced to form a strong, durable and economical structure, which will protect the coffin or casket placed therein from being removed from the grave or tampered with.

Another object is to construct a vault or tomb of this character adapted to be hermetically sealed, thus providing a strictly sanitary receptacle which owing to its sectional structure may be readily transported and quickly assembled either within or outside of the grave.

With the foregoing and other objects in view the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings forming a part of this specification and in which like numerals of reference indicate similar parts in the several views: Figure 1, is a side view of my improved vault. Fig. 2, is a top plan view thereof. Fig. 3, is a horizontal sectional view of the same. Fig. 4, is a vertical cross sectional view taken on the line 4, 4, of Fig. 1. Fig. 5, is a detail longitudinal section through one end of the vault taken on the line 5, 5, of Fig. 2. Fig. 6, is a detail sectional perspective view of a portion of one corner of the vault illustrating more clearly the manner of fastening the connecting bars and corner braces to the side and end sections of the vault.

My improved burial or grave vault comprises a plurality of vertically disposed side and end sections 1 and 2, and a plurality of top and bottom sections 3 and 4, said sections being in the form of rectangular slabs or plates of convenient or suitable size and thickness, and constructed of slate, granite, or other natural stone or of concrete, clay

or metal, which when assembled will form a practically non-perishable structure.

The side and end sections 1 and 2, of the vault are supported and securely fastened together by upper, inner angle iron or steel side and end connecting and bracing bars 5 and 6, and lower inner angle iron or steel side and end connecting and bracing bars 7 and 8. The side and end sections are further connected together by outer upper side and end bars 9 and 10, and lower outer side and end bars 11 and 12, said outer bars being preferably in the form of flat metal strips, as shown. In the inner angle iron bars and in the flat outer bars are formed holes 13, which when said bars are in place register with bolt holes 14, formed in the side and end sections of the vault.

With the aligned bolt holes in the connecting bars and sections of the vault are engaged bolts 15, which are preferably inserted through the bars and sections from the inner side of the vault, and on the outer ends of the bolts are screwed nuts 16, whereby the bars are securely fastened to the side and end sections, and said sections thus supported and braced to form the sides and ends of the vault. The adjacent ends of the outer, upper and lower side and end bars are connected together by outer corner or angle braces 17, while the adjacent ends of the inner, upper and lower angle iron bars are connected together by inner corner or angle braces 18. The ends of the braces 17 and 18, are of sufficient length to reach beyond the end bolts of the sides and ends, and said ends of the braces are provided with bolt holes 19, to receive said end bolts, whereby the corner braces are securely fastened in position to brace and bind the corners of the vault.

The lower inner angle iron side and end bars 7 and 8, are arranged adjacent to the lower edges of the side and end sections of the vault, with the vertical portions of the bars extending downwardly and having their lower edges flush with the lower ends of the sections, as clearly shown in Figs. 4 and 5 of the drawings. When thus arranged the upper horizontal portions of the bars project inwardly and form bottom supporting flanges with which are engaged the bottom sections 4 of the vault. In like manner the upper inner angle iron bars form supports for the top sections 3, of the vaults. The upper angle iron bars are located below

the upper ends of the side and end bars at a distance corresponding to the thickness of the top sections of the vault, so that when said top sections are engaged with the bars, the upper surface of the sections will be flush with the upper ends of the side and end sections, as shown.

The top and bottom sections of the vault are shorter than the inside width or distance between sides of the vault, thereby forming between the ends of said top and bottom sections and the adjacent sides of the vault, narrow spaces. Similar spaces are also formed between the outer edges of the end sections of the top and bottom of the adjacent ends of the vault. In the spaces thus formed between the sections and the sides and ends of the vault, is placed cement or other sealing material, as shown at 20, thereby hermetically sealing the bottom and top of the vault. The adjoining edges of the top, bottom, side and end sections of the vault are also sealed together to form an absolutely air and moisture tight structure.

In practice, the side and end sections as well as the top and bottom sections of the vault will be of uniform size and consequently interchangeable, thus permitting the sections to be readily assembled, and because of the weight of the material of which the sections are formed, they will be of such size as to permit the same to be readily handled.

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 advantages of the invention as claimed.

Having thus described my said invention, what I claim as new and desire to secure by United States Letters Patent is:

1. A burial vault comprising a plurality of side and end sections, flanged bars located against the inner faces of the side sections and connecting the lower ends thereof together, said bars having their lower edges flush with the lower ends of the sections, flanged bars connecting the upper ends of the sections and located against the inner sides of the same, the last mentioned bars being located below the upper ends of the sections; bottom sections resting upon the flanges of the lower bars and top sections resting upon the flanges of the upper bars.

2. A burial vault comprising a plurality of side and end sections, flanged bars connecting the lower ends of the said side sections together and located against the inner faces of the said sections, angle braces secured to the adjacent ends of the angle bars, angle bars located against the inner sides of the said sections and connecting the upper ends thereof together, angle braces connecting the ends of the last mentioned bars together, bottom sections resting upon the flanges of the first mentioned bars and top sections resting upon the flanges of the last mentioned bars.

In testimony whereof I affix my signature, in presence of two witnesses.

ISAAC H. RYAN.

Witnesses:

I. C. ARNOLD,
SOPHIA F. BAECHELE.