

No. 775,674.

PATENTED NOV. 22, 1904.

T. H. GIVEN & W. H. HOLLAR.

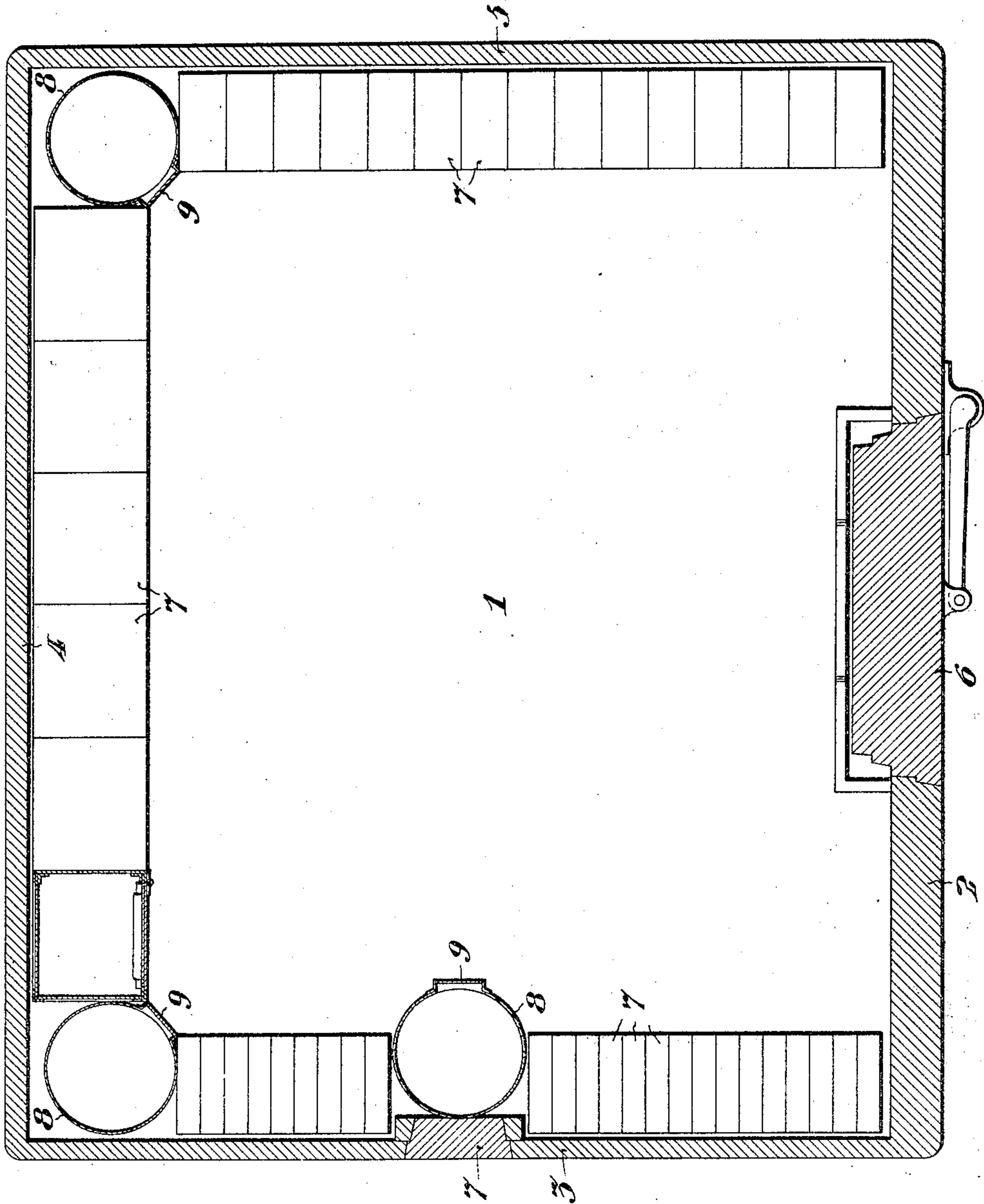
VAULT.

APPLICATION FILED JUNE 27, 1903.

NO MODEL.

3 SHEETS—SHEET 1.

FIG. 1.



WITNESSES:

Clifton C. Halliwell
John C. Bugner

INVENTORS:

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AND
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3 SHEETS—SHEET 2.

FIG. II.

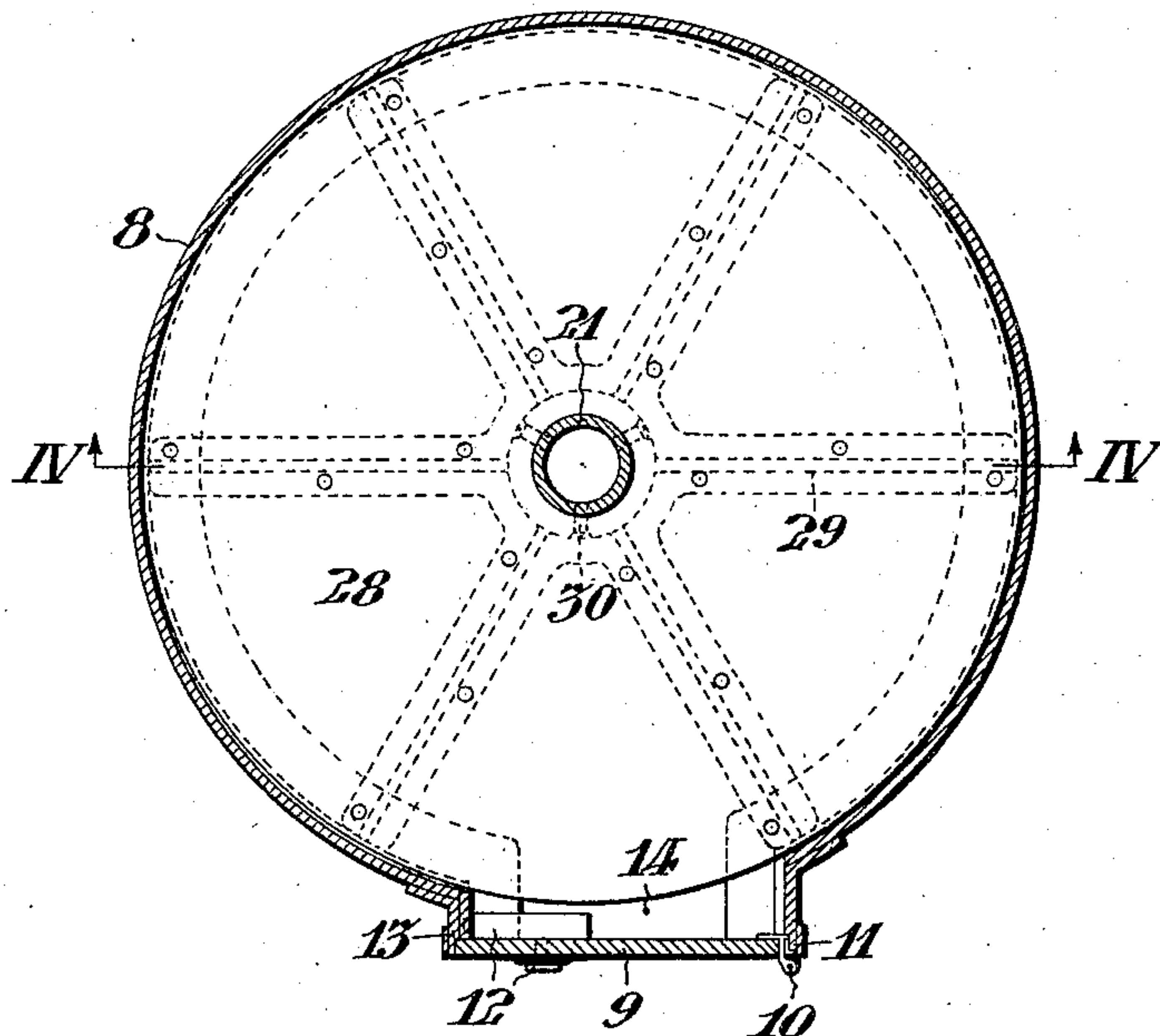
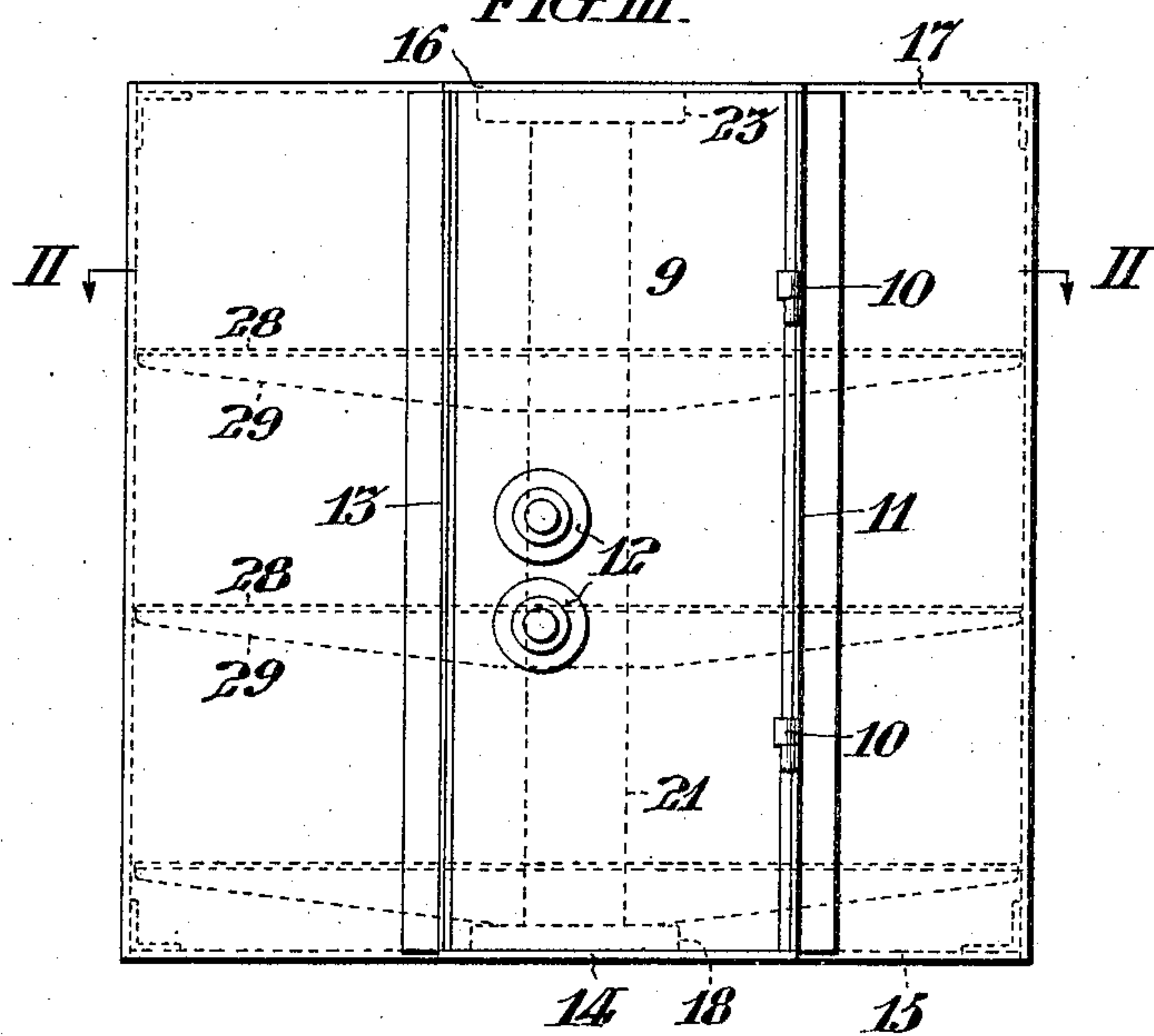


FIG. III.



WITNESSES:

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John C. Berger.

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3 SHEETS—SHEET 3.

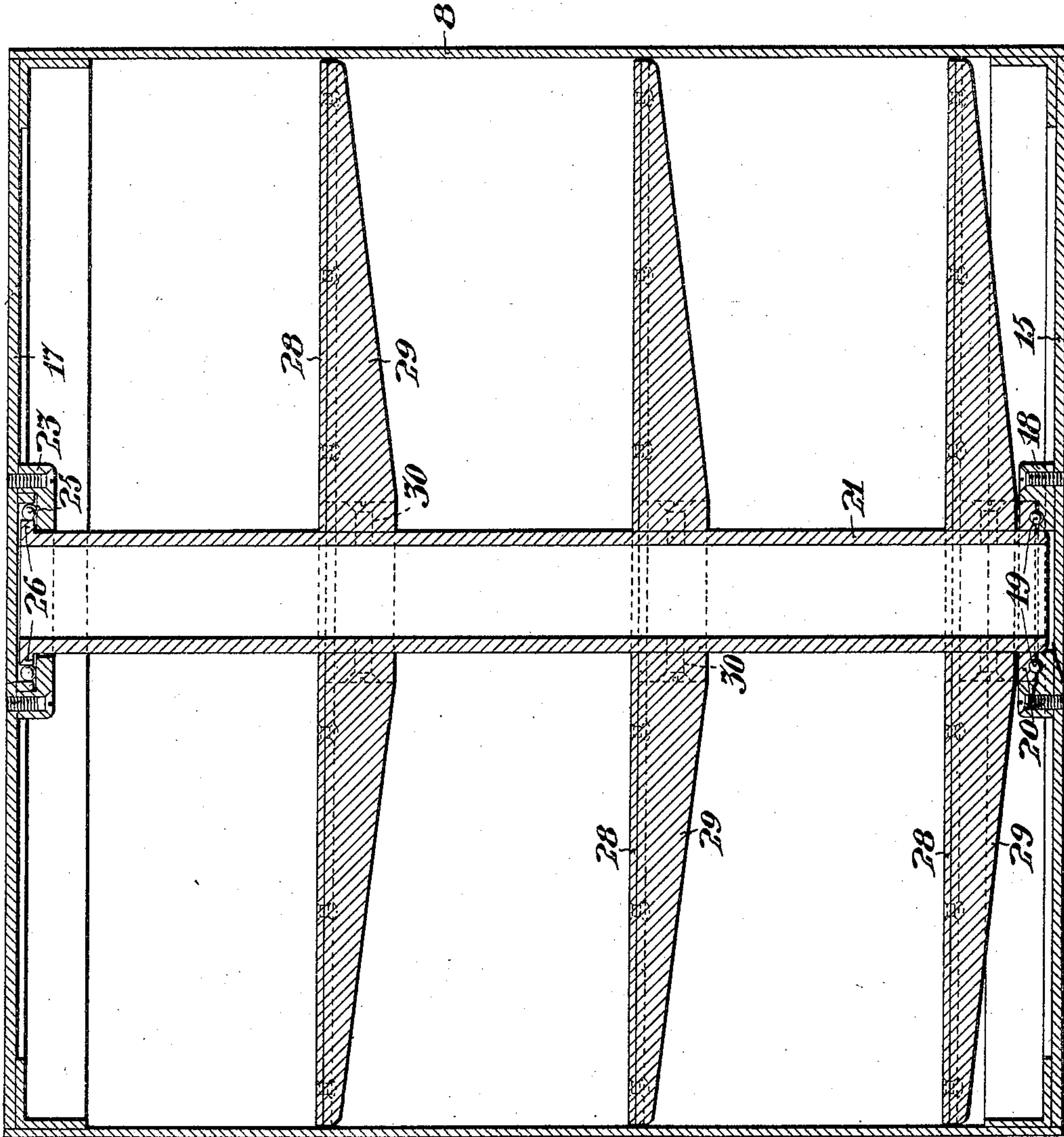


FIG. IV.

WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS H. GIVEN, OF PITTSBURG, AND WILLIAM H. HOLLAR, OF PHILADELPHIA, PENNSYLVANIA; SAID GIVEN ASSIGNOR TO SAID HOLLAR.

VAULT.

SPECIFICATION forming part of Letters Patent No. 775,674, dated November 22, 1904.

Application filed June 27, 1903. Serial No. 163,335. (No model.)

To all whom it may concern:

Be it known that we, THOMAS H. GIVEN, of Pittsburg, and WILLIAM H. HOLLAR, of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Vaults, whereof the following is a specification, reference being had to the accompanying drawings.

Our improvements are particularly applicable to vaults comprising separate compartments or so-called "safe-deposit boxes." As heretofore constructed such a compartment comprises horizontal walls or shelves arranged to support the contents of the compartment in stationary relation to its side walls and doorway, and therefore it is necessary to remove the contents of the compartment adjoining the doorway to secure access to the contents of the compartment remote from the doorway.

It is the object of our invention to provide a safe-compartment with a wall or shelf which may be shifted relatively to the doorway of the compartment, so as to present the normally remote contents of the compartment in such proximity to the doorway as to be readily accessible therethrough.

The form of our invention hereinafter described comprises a relatively stationary circular compartment casing or closet inclosing a circular shelf or series of shelves arranged to support the contents of the compartment and to present any desired portion thereof at the doorway in accordance with the relatively rotary position of said casing and shelf or shelves.

Our invention comprehends the various novel features of construction and arrangement hereinafter more definitely specified and claimed.

In the accompanying drawings, Figure I is a sectional plan view showing a convenient embodiment of our invention in a vault comprising ordinary safe-deposit boxes. Fig. II is a plan sectional view of one of the rotary closets indicated in Fig. I, taken on line II II in Fig. III. Fig. III is a side view of the closet shown in Fig. II. Fig. IV is an enlarged vertical sectional view taken on the line IV IV in Fig. II.

In said figures, 1 is the vault comprising the walls 2, 3, 4, and 5, provided with the main door 6 in the wall 2 and the emergency-door 7 in the wall 3.

Within said vault 1 and arranged along its walls 3, 4, and 5 are safe-deposit boxes 7, which are rectangular in form and in stationary relation to said walls. Adjoining said boxes 7 are circular compartment boxes or closets comprising stationary casings 8, provided with doors 9, conveniently constructed and arranged, as shown in detail in Figs. II to IV, inclusive. As shown in Figs. II and III, the door 9 of the casing 8 extends from the top to the bottom thereof and is conveniently provided with hinges 10, connected with the jamb 11, and double locks 12, arranged to engage the jamb 13. The sill for said door 9 is formed by the projecting flange 14 on the bottom wall-plate 15 of the casing, and the lintel for said door is formed by the corresponding projecting flange 16 on the top wall-plate 17 of the casing. Referring to Fig. IV, the bottom wall 15 of said closet-casing 8 is provided with the annular race-plate 18 for the bearing-balls 19, which engage the flange 20 of the tubular shaft 21, and the upper wall 17 of said casing 8 is similarly provided with the annular race-plate 23 for the bearing-balls 25, which engage the flange 26 of said shaft 21, so that the latter may be freely rotated within said casing 8. Said shaft 21 is provided with a series of circular shelves 28, respectively supported by spider-frames 29, secured to said shaft 21 by the screws 30.

It is to be understood that any portion of the shelves 28 normally remote from the doorway may be rendered accessible therethrough by rotating said shelves 28, with their shaft 21, in either direction.

We find it convenient to make short vertical closet-sections, such as that indicated in Fig. IV, which may be disposed one upon the other to any desired height in the vault. However, it is to be understood that although we have indicated three shelves in the closet which we have shown any desired number may be employed, and we do not desire to limit ourselves to the precise construction and

arrangement herein set forth, as it is obvious that various modifications may be made therein without departing from the essential features of our invention.

5 We claim—

1. In a vault-compartment, the combination with an inclosing casing comprising a doorway; of a shaft within said compartment; a shelf mounted on said shaft to rotate in said casing; and, means maintaining said shelf and shaft in relatively stationary relation, substantially as set forth.

2. In a vault, the combination with a casing provided with bearings in its upper and lower walls; of a shaft mounted to rotate in said bearings; a shelf carried by said shaft; and, means maintaining said shelf and shaft in relatively stationary relation, substantially as set forth.

3. In a vault, the combination with a casing provided with bearings in its upper and lower walls; of a shaft mounted to rotate in said bearings; a series of frames provided with radial arms secured to said shaft; shelves respectively supported by said frames; and, means maintaining said shelves, shaft and frames in relatively stationary relation, substantially as set forth.

4. In a vault, the combination with a casing provided with ball-bearings in its upper and lower walls; of a shaft mounted to rotate in said bearings; means in the lower bearing supporting the weight of said shaft; a series of circular shelves in concentric relation with said shaft; and, means maintaining said shelves and shaft in relatively stationary relation, substantially as set forth.

5. In a vault, the combination with a casing provided with bearings in its upper and lower walls; of a shaft mounted to rotate in said bearings; a series of shelf-frames in concentric relation with said shaft; means main-

taining said frames in stationary relation to said shaft; a series of shelves supported by said frames in concentric relation with said shaft; means maintaining said shelves in stationary relation with said frames; a door-frame on said casing in offset relation thereto; and, a door hinged to one side of said door-frame and provided with a lock engaging the other side of said door-frame, substantially as set forth.

6. In a vault, the combination with a casing provided with annular ball-bearings respectively secured in removable relation to its upper and lower walls; of balls in said bearings; a shaft mounted to rotate in said bearings and provided with circumferential flanges engaging said balls; means in the lower bearing supporting the weight of said shaft; a series of shelves in concentric relation with said shaft; and, means maintaining said shelves and shaft in relatively stationary relation, substantially as set forth.

7. In a vault, the combination with walls joined in rectangular relation; of rectangular safe-deposit boxes arranged along said walls and forming elongated rectangular recesses at the corners of said walls; cylindrical casings in said corner-recesses; door-frames on said casings, offset in relation thereto, in equiangular relation with the adjoining faces of the rectangular safe-deposit boxes; and, means within said casings arranged to support and shift the contents thereof relatively to said doorways, substantially as set forth.

In testimony whereof we have hereunto signed our names, at Pittsburg, in the State of Pennsylvania, this 19th day of June, 1903.

THOMAS H. GIVEN,
WILLIAM H. HOLLAR.

Witnesses:

J. W. FLEMING,
A. E. BRAUN.