

(No Model.)

L. RUHE.
AQUARIUM.

No. 534,052.

Patented Feb. 12, 1895.

Fig:1.

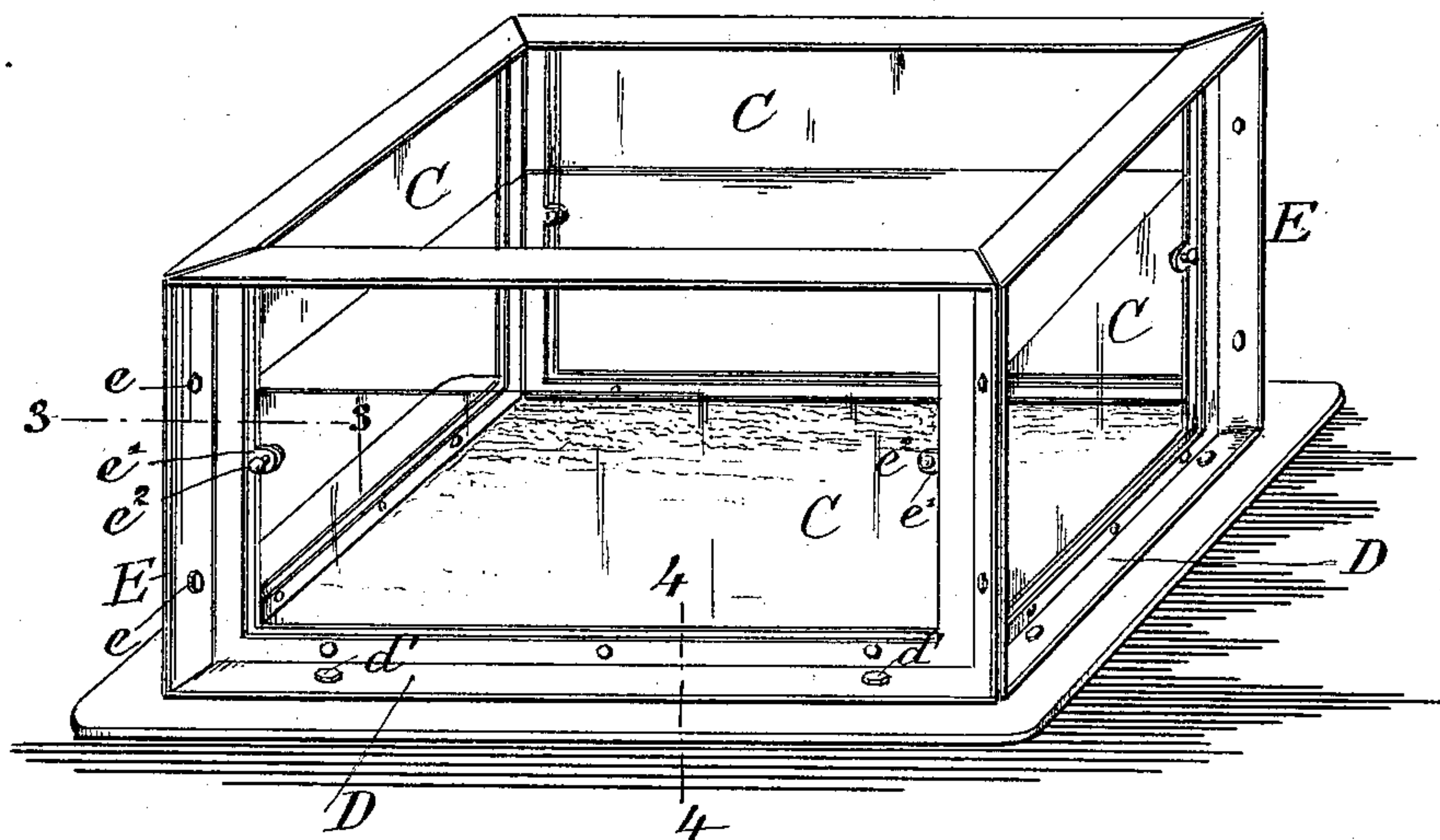


Fig:2.

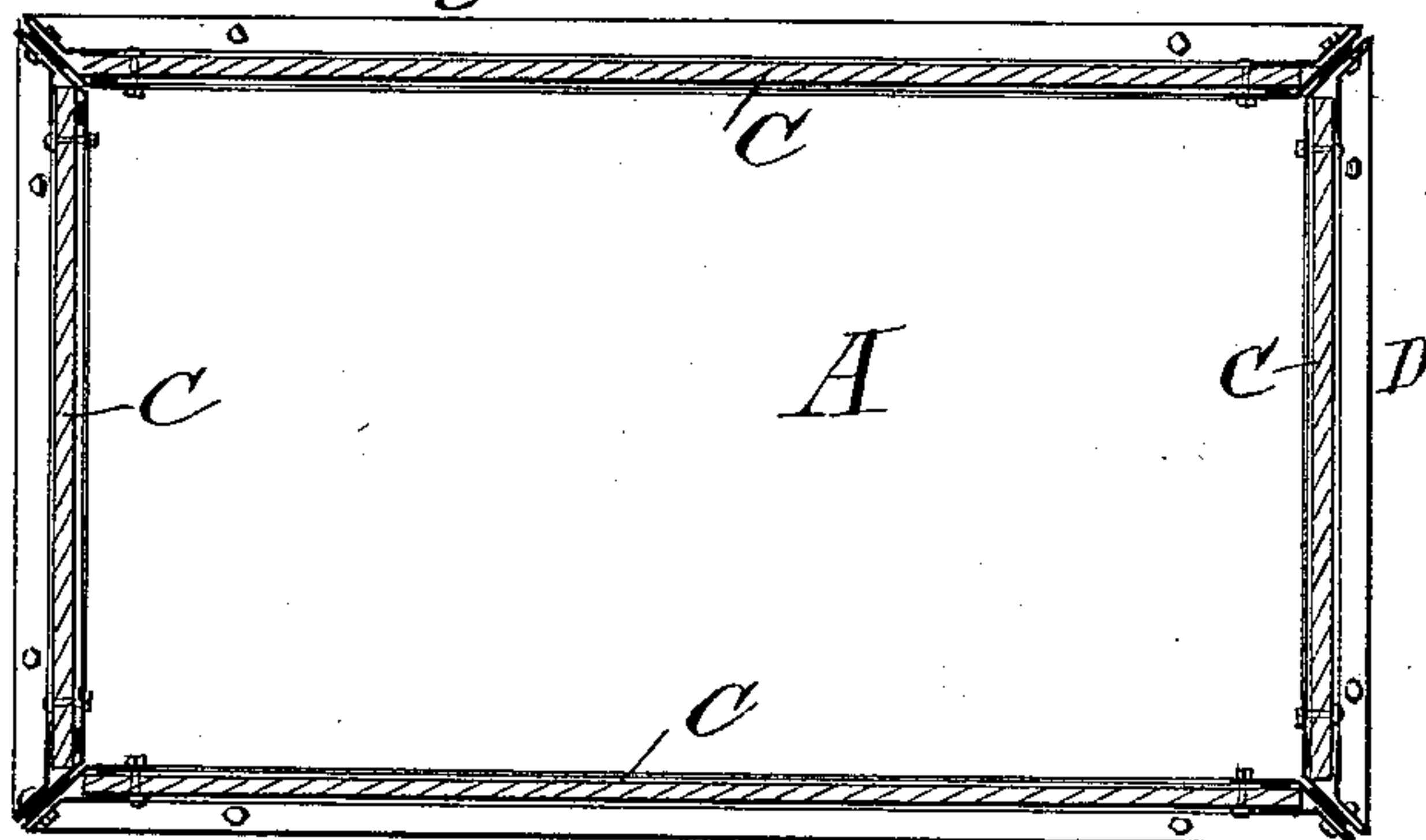


Fig:3.

WITNESSES:
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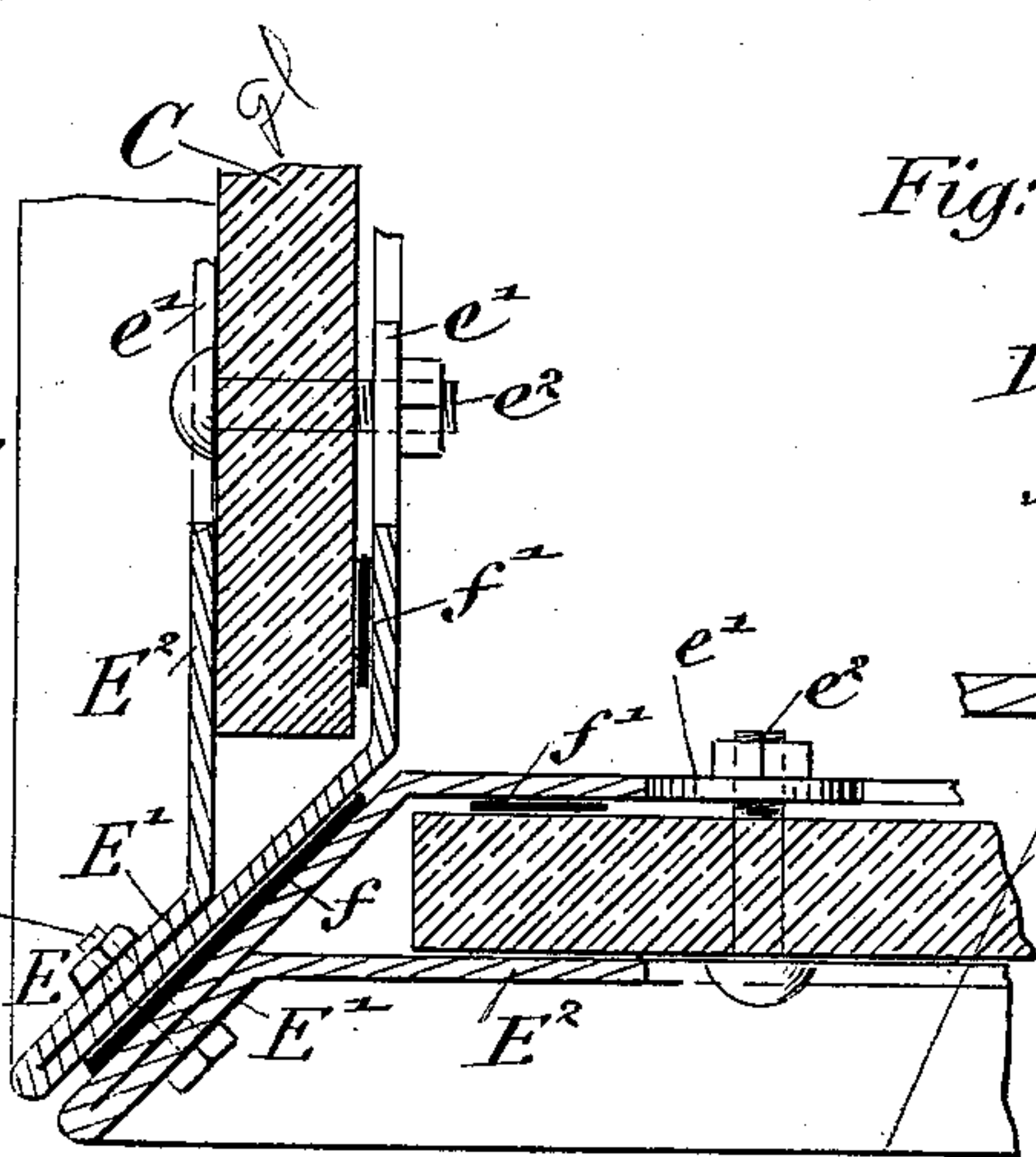
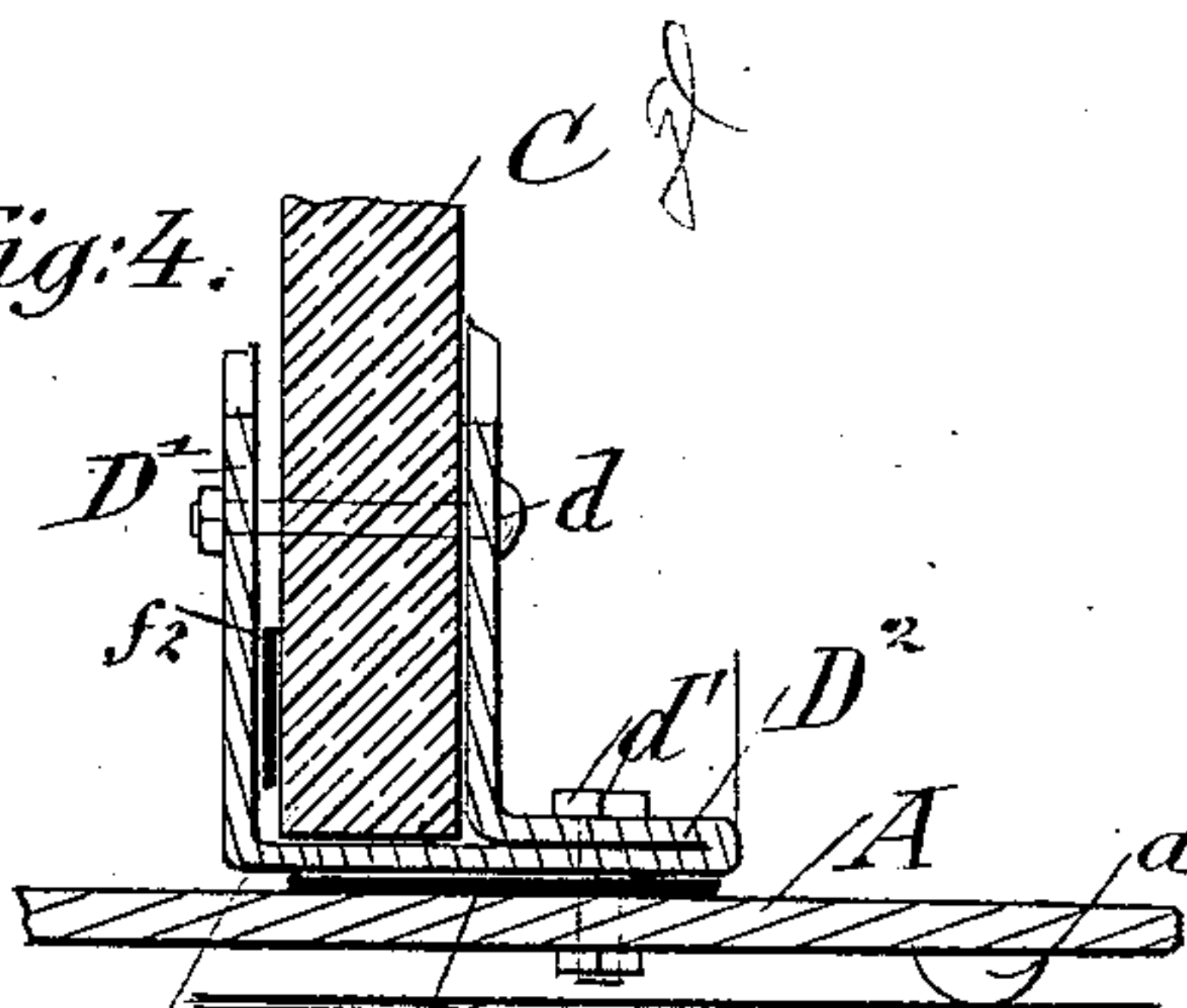


Fig:4.



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AQUARIUM.

SPECIFICATION forming part of Letters Patent No. 534,052, dated February 12, 1895.

Application filed October 31, 1894. Serial No. 527,559. (No model.)

To all whom it may concern:

Be it known that I, LOUIS RUHE, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Aquariums, of which the following is a specification.

This invention relates to an improved aquarium of that class in which the base-portion and side-plates of the same can be detached from each other so as to be shipped in so-called "knock-down" position, the parts being readily connected again when the aquarium is to be put up for use, and being then tightly connected at their meeting-edges, so as to provide water-tight joints and prevent any leakage of water from the same; and the invention consists of an aquarium, composed of a base-portion and glass side-plates, metallic angle-strips attached to the meeting-edges of the side-plates with each other and to the bottom-edges, bolts for connecting together the angle-strips of the meeting-edges of the side-plates and for connecting with the base-portion the bottom angle-strips of the side-plates, and elastic packing-strips interposed between the outwardly-extending flanges of the angle-strips, and between the main portions of the angle-strips and the inner faces of the side-plates and bottom, by which the water-tight connection of the bottom with the side-plates and of the side-plates with each other, is obtained, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings,—Figure 1 represents a perspective view of my improved aquarium. Fig. 2 is a horizontal section of the same, and Figs. 3 and 4 are respectively a horizontal and a vertical section on an enlarged scale, on lines 3, 3, and 4, 4, Fig. 1, taken respectively through the side-plates and bottom of the aquarium.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the base or bottom of my improved aquarium, which is preferably formed of metal or other suitable material, and supported on feet *a*. The glass side-plates C, C, are connected with the base A and with each other by means of metallic angle-strips D E which are applied to the meeting-edges of the side-walls and base and of the side-plates. The side-plates

C are made of glass of suitable thickness, the angle-strips being folded and made of corresponding size, and bent at their folded edges in outward direction, while the outwardly-extending portions or flanges E' formed by folding the strips are bent at an angle of approximately forty-five degrees to the main portions of the strips. The outwardly-extending flanges of the angle-strips of the side-plates are connected with each other by means of bolts *e*, *e*, while the main portions E² of the angle-strips are provided at one or more points with eyes *e'* which are connected by means of bolts *e*² passing tightly through holes drilled through the glass side-plates, so that the angle-strips are rigidly connected with each other and with the side-plates, as clearly shown in detail in Fig. 3. The bottom strips D are also doubled and attached by means composed of main portions D' and flange portions D² which extend at right angles to the main portions, while bolts *d* pass through the main portions D' and the side-plates and bolts *d'* pass through the flanges D² and the base A, as shown in Fig. 4.

For the purpose of producing the tight connection of the angle-strips D E with the base A and side-plates C of the aquarium, elastic packing-strips *f* are interposed between the outwardly-extending flange-portions of the angle-strips E and similar elastic strips *f'* between the main-portions of the same and the side-plates, while washers are arranged at the points where the bolts pass through the side-plates of the aquarium. Similar packing-strips *f*² are interposed between the main-portions D', of bottom-strips D and the glass plates, and between the flanges of the bottom-strips and the base A, as shown in Fig. 4. By the packing-strips the perfectly tight-fitting of the different parts is obtained.

The water-tight connection of the base with the bottom-strips, and of the side-plates with the corner-strips is obtained when the individual parts of the aquarium are secured together, while the bolt connection of the parts permits the ready detaching of the parts so as to pack them into a comparatively small space for shipment.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An aquarium, composed of a base-portion, side-plates, metallic angle-strips connecting the side-plates with the bottom, metallic angle-strips attached to the meeting-edges of the side-plates and provided with outwardly-extending flanges, and packing-strips interposed between the angle-strips and the base-portion, the side-plates and the angle-strips at the meeting-edges, and the outwardly-extending flanges of the angle-strips at the corners, substantially as set forth.

2. An aquarium, composed of a base-portion, metallic angle-strips connecting the side-plates with the base-portion side-plates, angle-strips provided with eyes and bolted to said side plates, said angle-strips being provided with outwardly - extending flanges, bolts for connecting the outwardly-extending flanges of the angle-strips, and packing-strips interposed between the main portions of the angle-strips and the side-plates, and between

the outwardly-extending flanges of said angle-strips, substantially as set forth.

3. An aquarium, composed of the base-portion, side-plates supported on the same, angle-strips provided with main portions and base flanges extending at right angles thereto, packing-strips interposed between the flanges of the angle-strips and the base-portion, and between the main portions of the angle-strips and the lower part of the side-plates, and bolts for attaching the bottom angle-strips to the base-portion and to the side-plates, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

LOUIS RUHE.

Witnesses:

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JUAN C. ABEL.