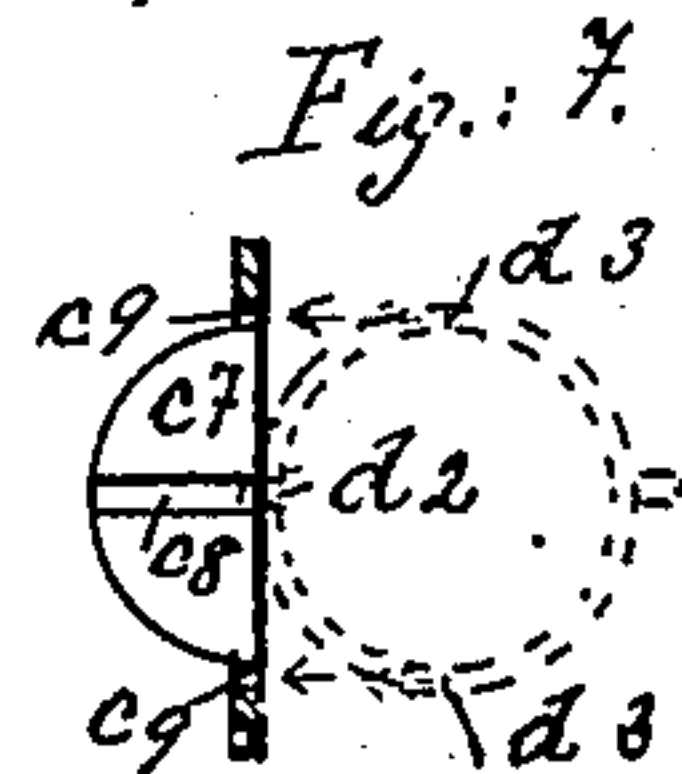
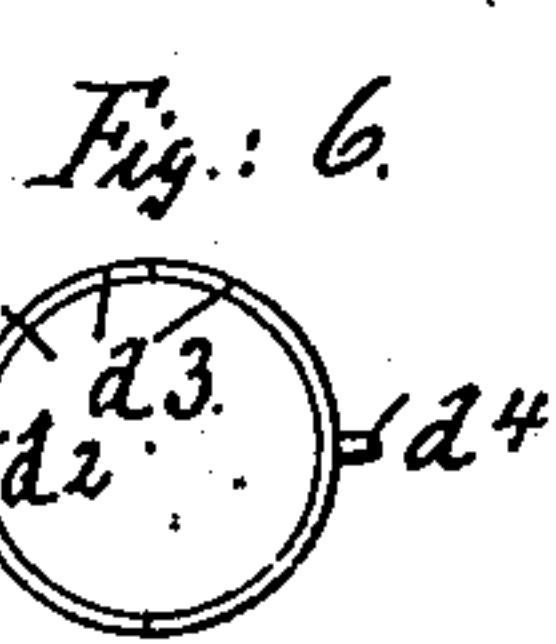
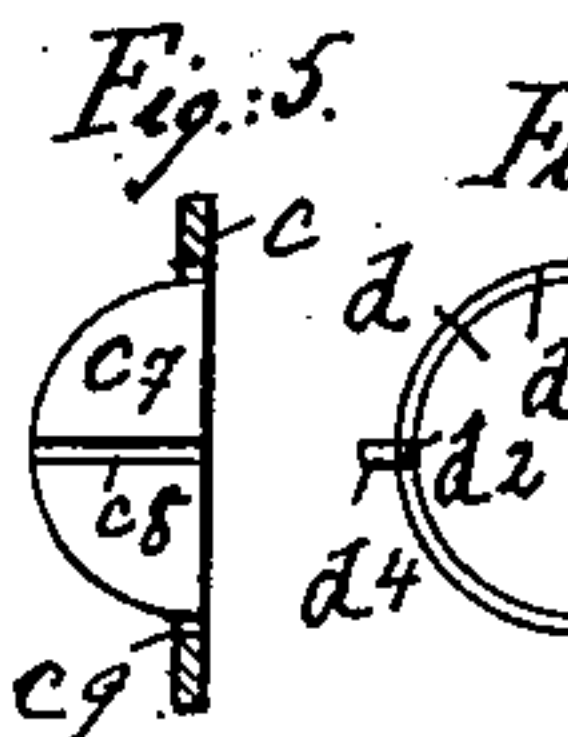
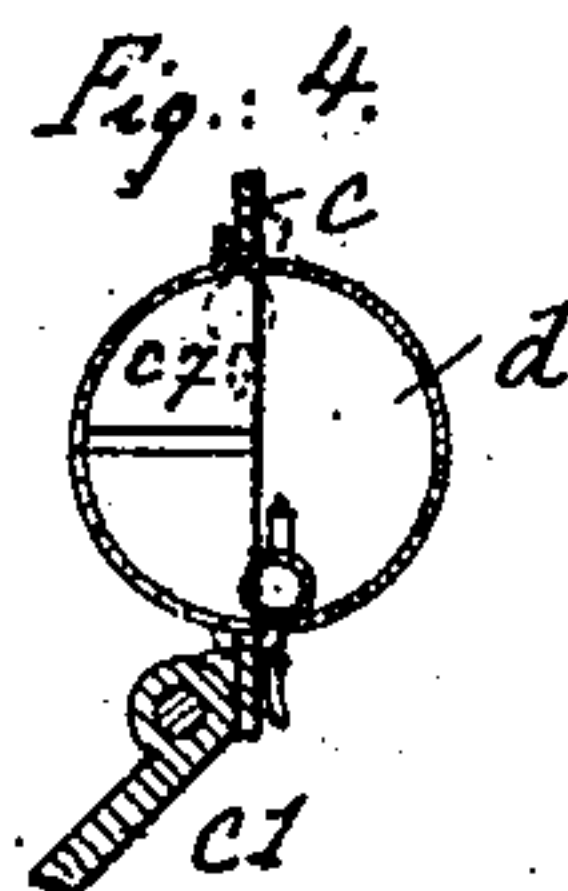
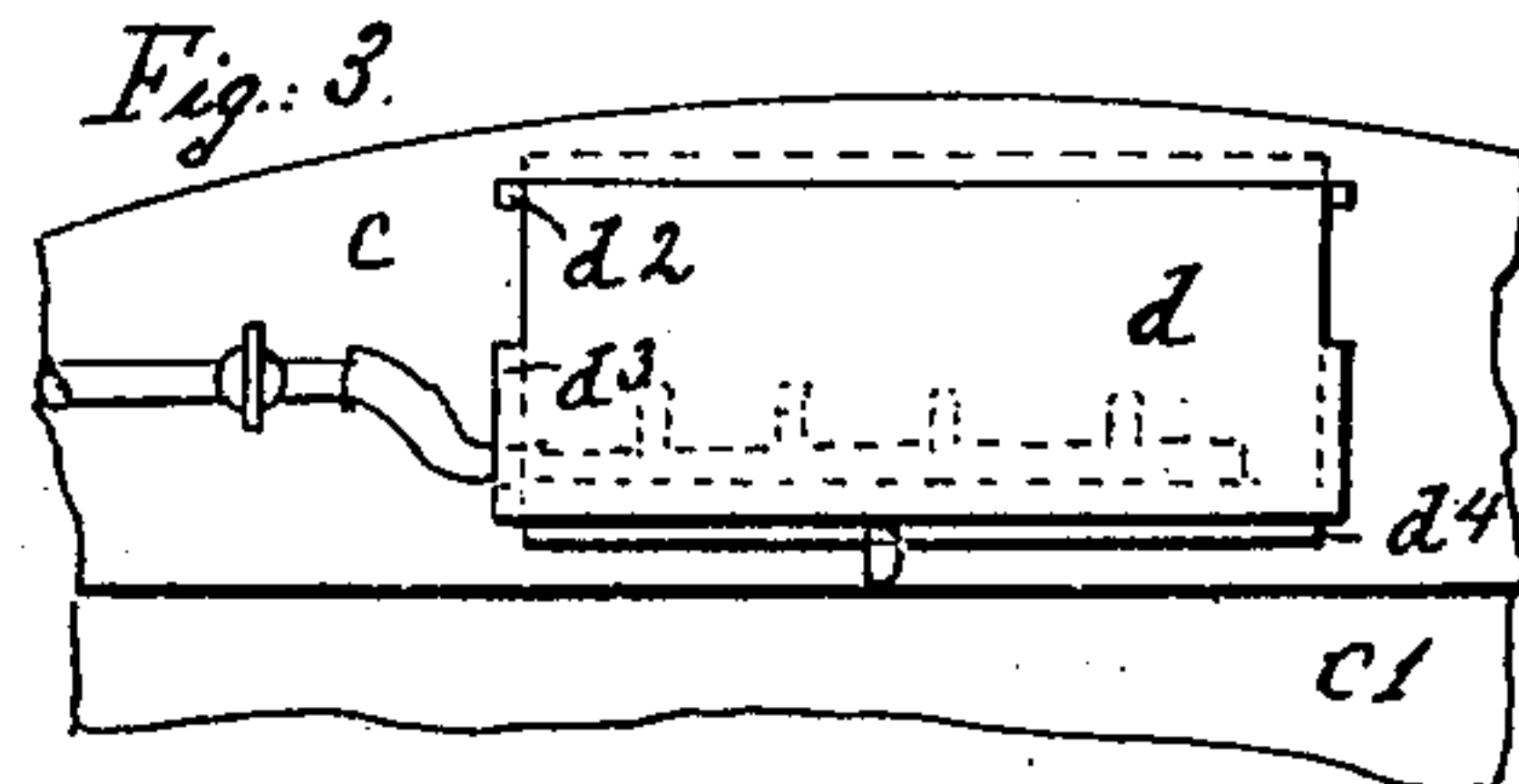
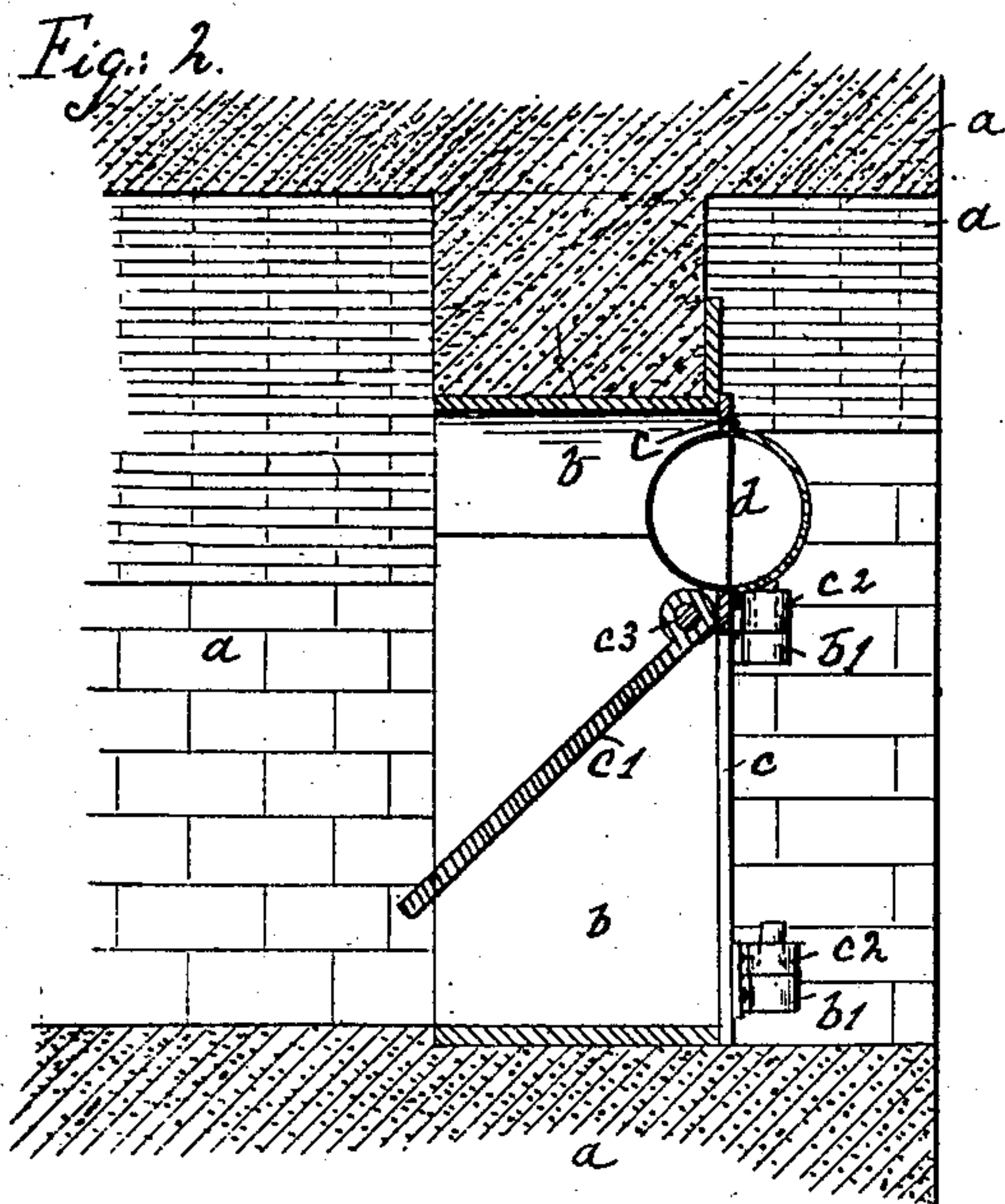
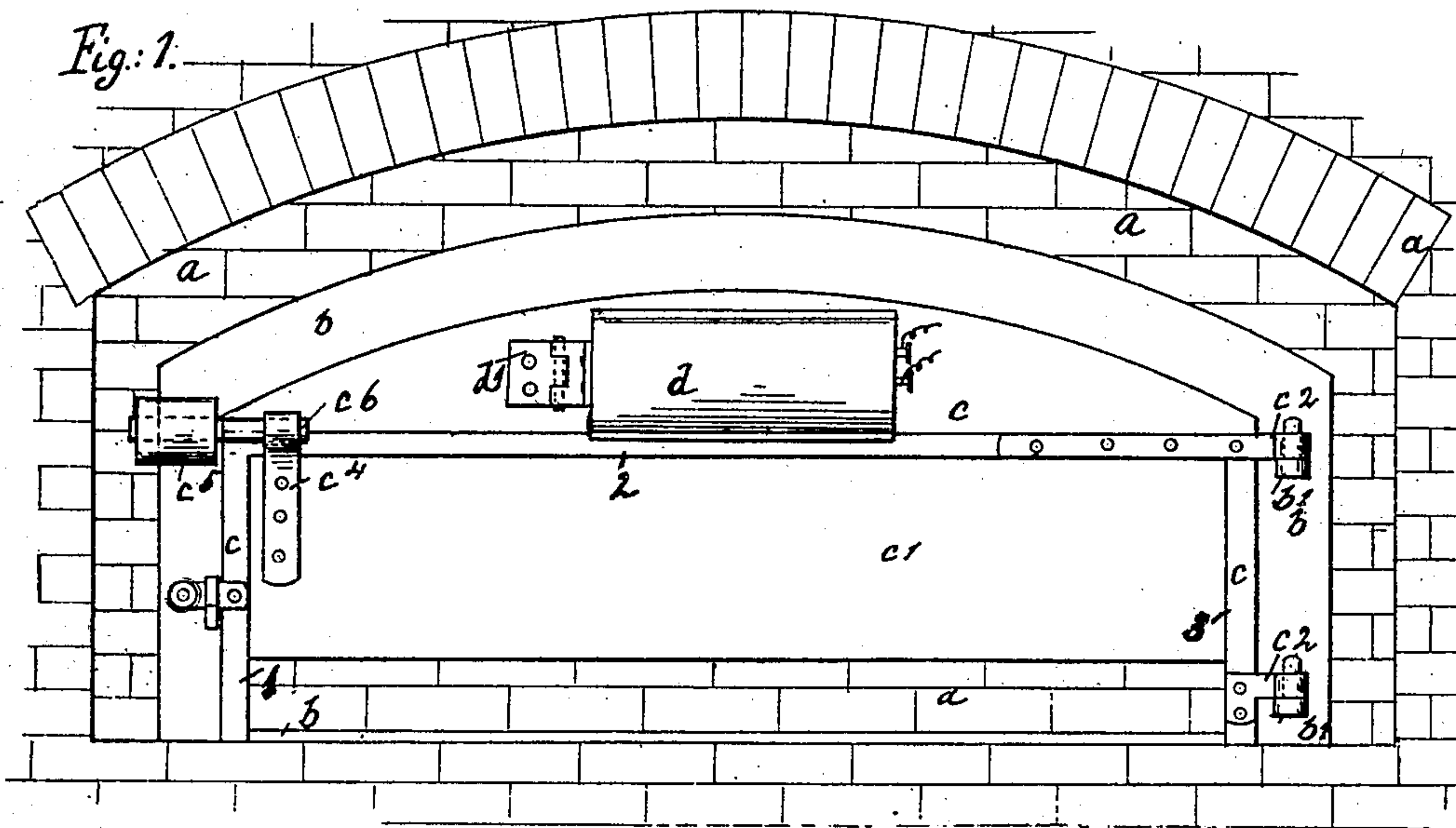


F. UHTBROCK.
OVEN DOOR.
APPLICATION FILED FEB. 19, 1907.

919,654.

Patented Apr. 27, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FREDERICK UHTBROCK, OF NEW YORK, N. Y.

OVEN-DOOR.

No. 919,654.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed February 19, 1907. Serial No. 358,239.

To all whom it may concern:

Be it known that I, FREDERICK UHTBROCK, a subject of the German Emperor, residing at New York, in the county and State of New York, have invented new and useful Improvements in Bakers'-Oven Doors, of which the following is a specification.

My invention relates to bakers' oven-doors; it may be said that its construction provides a bakers' oven-door swinging transversely to the horizontal plane in a frame that has the form of the old horizontally swinging door and is provided with means to hold a light for the oven.

The object of my invention is to provide a bakers' oven-door swinging transversely to the horizontal plane in a frame that is provided with means to hold a light, and that may be put into the place of the ordinary horizontally swinging bakers' oven-door without changing the frame fastened in the masonry of the oven. I attain this object by the construction illustrated in the accompanying drawing, in which—

Figure 1 gives a vertical front-view of the door and part of an oven; Fig. 2 is a vertical cross-section of Fig. 1; Figs. 3, 4, 5, 6 and 7 illustrate arrangements by which said door may be provided with some practical light.

The same parts are denoted by the same reference characters in all the figures of the drawing.

Into the front of an oven *a* is fitted a door-frame *b* having hinges *b*¹ *b*¹ from which the ordinary horizontally swinging door has been detached. On said hinges *b*¹ *b*¹ is set by means of the hinge-eyes *c*² *c*² the horizontally swinging door-frame *c* and is closed in the ordinary manner. The door-frame *c* has the form of the ordinary horizontally swinging door cut out on the lines 1, 2 and 3. To the upper part of the door-frame *c* and fitting into the cut 123 has been hinged the plate *c*¹ swinging upwardly into the oven *a*. The weight *c*⁵ being attached to the plate *c*¹ by means of the pin *c*⁶ and the arm *c*⁴ balances the plate *c*¹ in any position it may be put. In the upper part of the door-frame *c* is provided a cylindrical light-holder *d* fastened by the hinge *d*¹. In the Figs. 3, 4, 5, 6 and 7 I show such an arrangement of the light-holder *d* as may give the most satisfaction in connection with this door, but for which I shall apply for a separate patent.

The operation will be readily understood. The door-frame *c* is kept closed and the plate *c*¹ is worked the same way as a regular upwardly swinging bakers' oven-door.

The door-frame *c* may be fastened to the door-frame *b* by other means than the hinges shown in the accompanying drawings, as for instance by screws or clamps.

I am aware that similar combinations of doors are used for furnace-doors; but there the supplemental doors may be called attachments, serving other purposes than the main doors. My construction pertains to bakers' oven-doors. There are two kinds of bakers' oven-doors in general use, one swings in a horizontal plane, the other swings transversely to the horizontal plane; the first is now being substituted by the latter. To substitute the new oven-door for the old one, at present the frame fastened in the masonry of the oven has to be torn out and the frame of the new door has to be put into its place; to substitute my construction for the old horizontally swinging door, the latter is taken off its hinges, the new frame is put on the same hinges and its farther end fastened the same way as the old door when it was closed. At most other doors a small opening or window is located at the place where I provide a light to illuminate the interior of the oven.

Having thus shown my invention I claim and desire to secure by Letters Patent—

1. In a baker's oven-door, a door that is counterbalanced by a weight and swings transversely to the horizontal plane in a frame that is adapted to be fastened to the frame of the horizontally swinging baker's oven-door, and said frame, substantially as described.

2. In a baker's oven-door, a door that swings transversely to the horizontal plane in a frame that has the form of the horizontally swinging baker's oven-door and is provided with means to hold a light for the oven and said frame, substantially as described.

In testimony whereof I have signed my name in the presence of the subscribing witnesses. New York, this 12th day of February, 1907.

FREDERICK UHTBROCK.

Witnesses:

ETSON L. FREESE,
JOSEPH EICHINGER.