

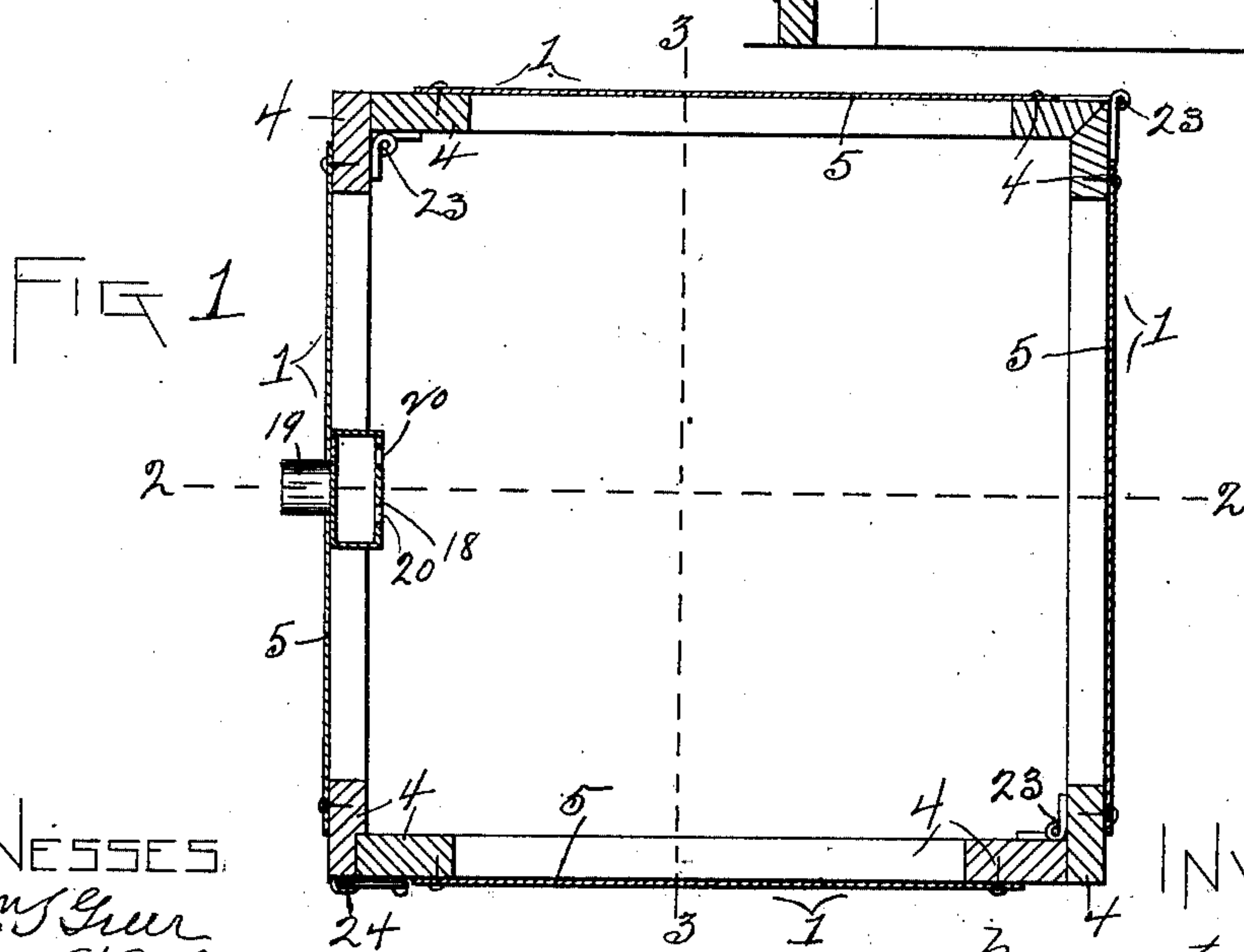
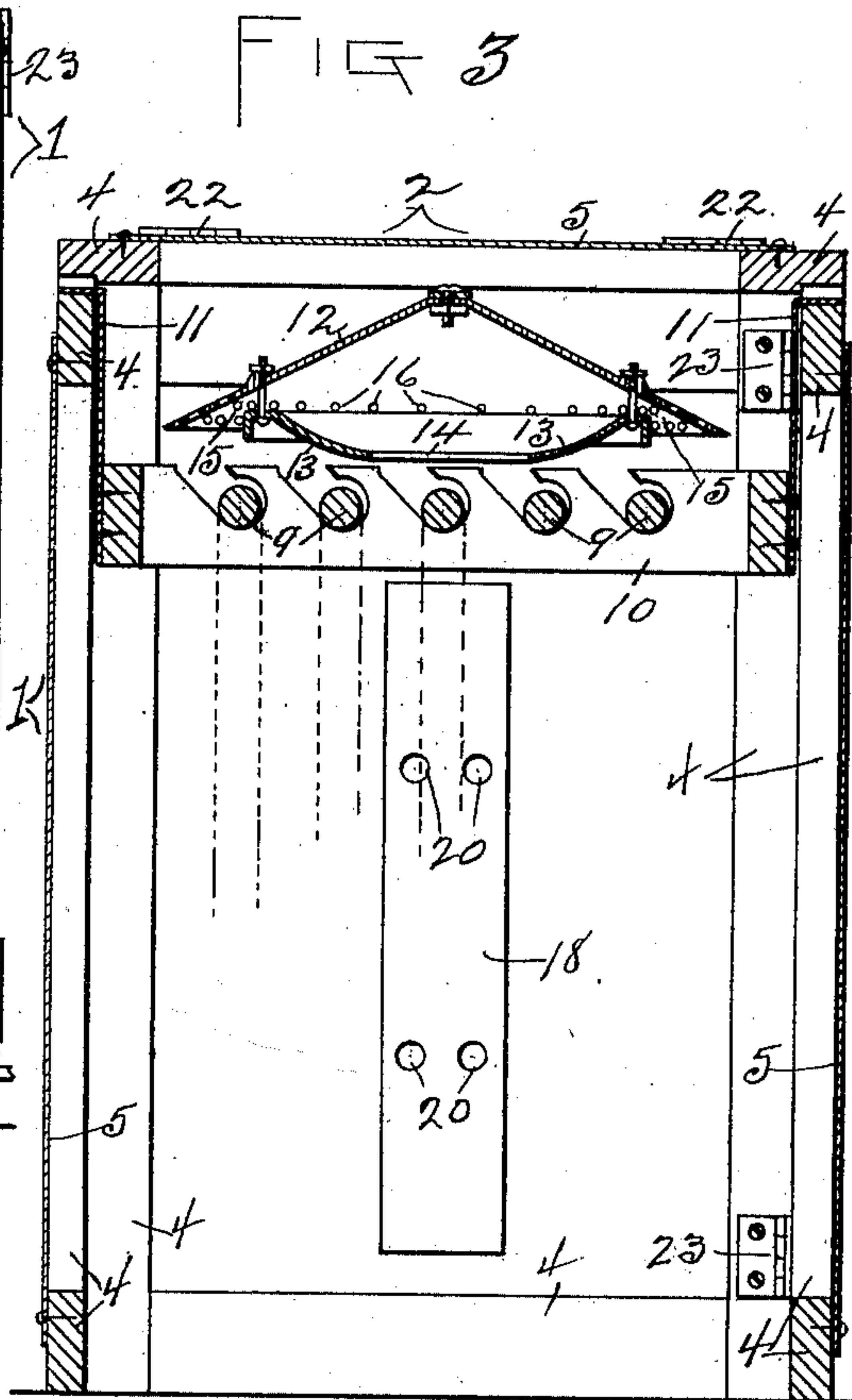
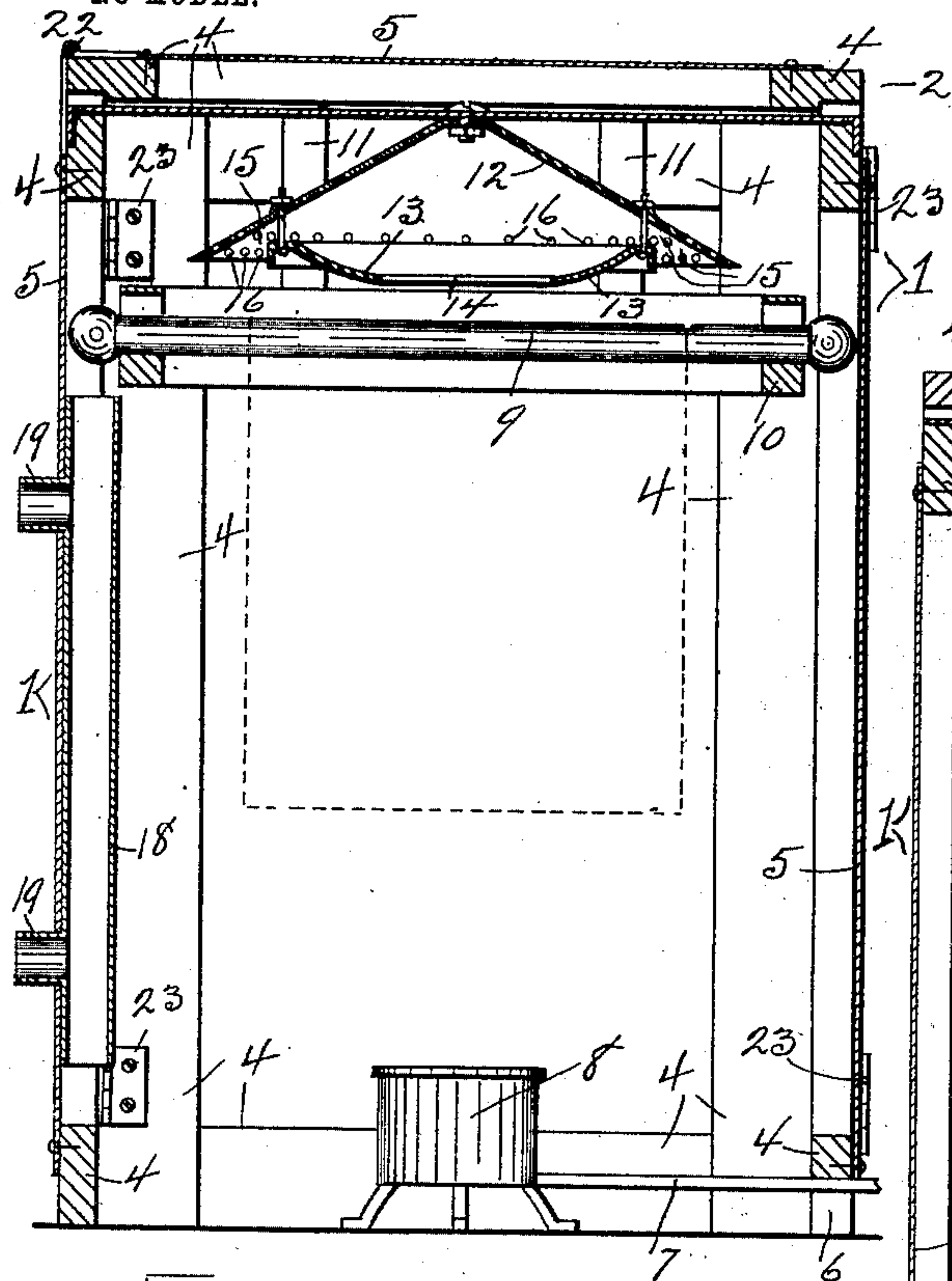
No. 719,130.

PATENTED JAN. 27, 1903.

M. A. O'CONOR.
DRYING CLOSET.

APPLICATION FILED SEPT. 22, 1902.

NO MODEL.



WITNESSES:
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UNITED STATES PATENT OFFICE.

MARGARET A. O'CONOR, OF TROY, NEW YORK.

DRYING-CLOSET.

SPECIFICATION forming part of Letters Patent No. 719,130, dated January 27, 1903.

Application filed September 22, 1902. Serial No. 124,278. (No model.)

To all whom it may concern:

Be it known that I, MARGARET A. O'CONOR, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Drying-Closets, of which the following is a specification.

The invention relates to such improvements; and it consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures.

Figure 1 of the drawings is a horizontal section of my improved drying-closet. Fig. 2 is a central vertical section of the same, taken on the broken line 2 2 in Fig. 1. Fig. 3 is a central vertical section of the same, taken on the broken line 3 3 in Fig. 1.

The object of my invention is to provide means for conveniently and quickly drying articles in the process of laundering.

My invention consists in the combination, with a covered inclosure, of heating mechanism, ventilating mechanism, and means for maintaining a circulation of air within the inclosure wherein the articles to be dried are suitably supported, all as hereinafter more particularly described, and pointed out in the claims.

The inclosure is formed by the hinge-connected side walls 1 and the cover 2. The side walls and cover may be constructed in any known manner so as to form a substantially tight inclosure adapted to retain the heated air used in the drying process and are preferably made waterproof to prevent injury thereto by the vapors from the drying articles. I have shown each of said cover and walls formed of a frame 4, of wood, covered with oil-cloth 5 or other suitable fabric tacked or otherwise secured to said frame. The frame of one of the side walls is slotted, as at 6, to permit the passage therethrough of a pipe 7, through which a supply of gas may be transmitted to the gas-stove 8, located in the

lower part of the inclosure. Any known form of heater may be employed in place of the gas-stove shown.

The articles to be dried are hung upon the cross-bars 9, supported by the frame 10, forming a rack extending transversely of the inclosure near the top of the same. The rack is preferably detachably supported in position by means of the hooks 11, connected at their lower ends to the frame 10 and adapted to have their upper hook ends overhang and rest upon the top of the opposite side walls, as shown in Fig. 3. Above the rack is a deflector consisting of a downwardly-flaring hood 12 and a subjacent upwardly-flaring deflector-plate 13, having a central aperture 14. This deflector-plate is preferably supported with its upper edge inclosed by said hood and separated therefrom by an air-space 15, as shown. The hood may be provided with one or more rows of perforations 16, extending along its outer edge, if desired. Heated air rising from the heater 8 passes up through the rack and between the articles supported thereupon and is directed by the deflector outwardly toward the side walls of the inclosure, by contact with which the air becomes cooled and descends to take the place of freshly-heated air arising from the heater, thereby causing a continuous circulation of air through and around the articles supported by the rack.

To provide for ventilation of the inclosure, I provide the ventilating-tube 18, opening at its opposite ends interiorly of the inclosure and having a pair of vent-tubes 19 opening exteriorly of the inclosure and communicating, respectively, with upper and lower portions of the ventilating-tube, as shown. Some of the deflected air passing downwardly in proximity to the side wall adjacent to which the ventilating-tube is supported may pass downwardly through the upper end thereof and escape through the upper vent-tube 19, while fresh cold air entering through the lower vent-tube 19 may pass down through the open lower end of the ventilating-tube into the bottom of the inclosure. The air within the inclosure is thus gradually changed and the vaporous moisture from the drying articles

is permitted to gradually escape. If desired, the ventilating-tube may be provided on its inner side with small vent-openings 20.

The deflector is preferably removably supported within the inclosure, as by securing the same to a cross-plate 21 having hook ends inserted in recesses formed in the top of the opposite side walls of the inclosure.

The cover is connected by hinges 22 with the rear side wall and is adapted to fold over thereupon for convenience in storage and transportation, and for the same reason the side walls are connected together by hinges 23 to form a collapsible or knockdown construction, the parts being held in position by means of the hook 24, which may be any known form of detachable connection.

By employing a heater 8 of sufficient capacity the air within the inclosure may be heated sufficiently to sterilize the articles supported by the rack.

The perforations 16 in the downwardly-flaring deflector-hood are located approximately at the point where the descending deflected currents of air meet and interfere with the currents of air ascending through the air-space 15 and tend to relieve the congestion or pressure caused by such interference.

What I claim as new, and desire to secure by Letters Patent, is—

1. A drying-closet comprising in combination, a covered inclosure; a rack-support for articles to be dried; a heater beneath said

rack; and a ventilating-tube open at its upper and lower ends interiorly of the inclosure; and a pair of vent-tubes opening exteriorly of the inclosure and communicating with upper and lower portions respectively of said ventilating-tube, substantially as described.

2. A drying-closet comprising in combination, a covered inclosure; a rack-support for articles to be dried; a heater below said rack; a deflector above said rack; a ventilating-tube opening at its upper and lower ends interiorly of the inclosure; and a pair of vent-tubes opening exteriorly of the inclosure and communicating with upper and lower portions respectively of the ventilating-tube, substantially as described.

3. A drying-closet comprising in combination, a covered inclosure; a rack; a heater below the rack; and a deflector above the rack consisting of a downwardly-flaring hood, and a subjacent centrally-apertured upwardly-flaring deflector-plate supported with its upper edge inclosed by said hood, and separated therefrom by an air-space, said hood being provided with perforations adjacent to said air-space, substantially as described.

In testimony whereof I have hereunto set my hand this 16th day of September, 1902.

MARGARET A. O'CONOR.

Witnesses:

J. KANE,

E. M. O'REILLY.