

E. DEETZ.
PORTABLE CHAMBER.

No. 172,980.

Patented Feb. 1, 1876.

FIG. 1.

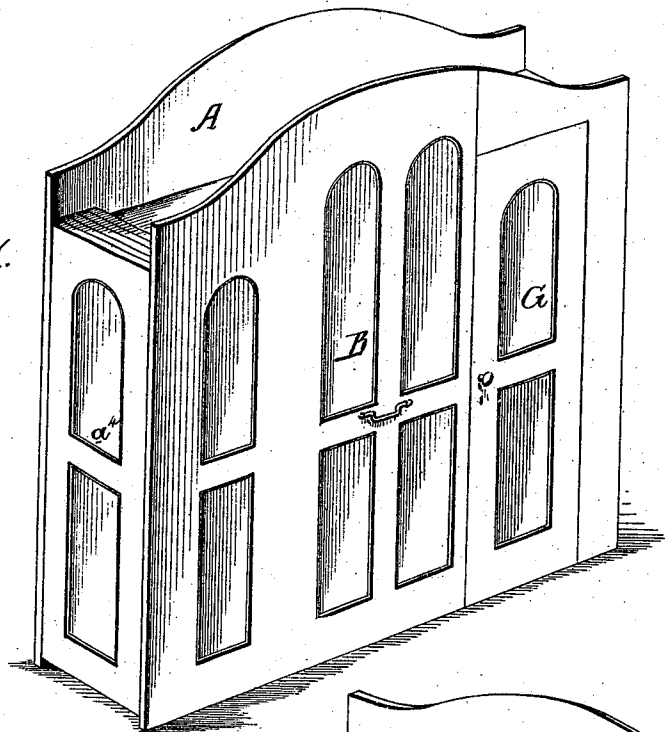
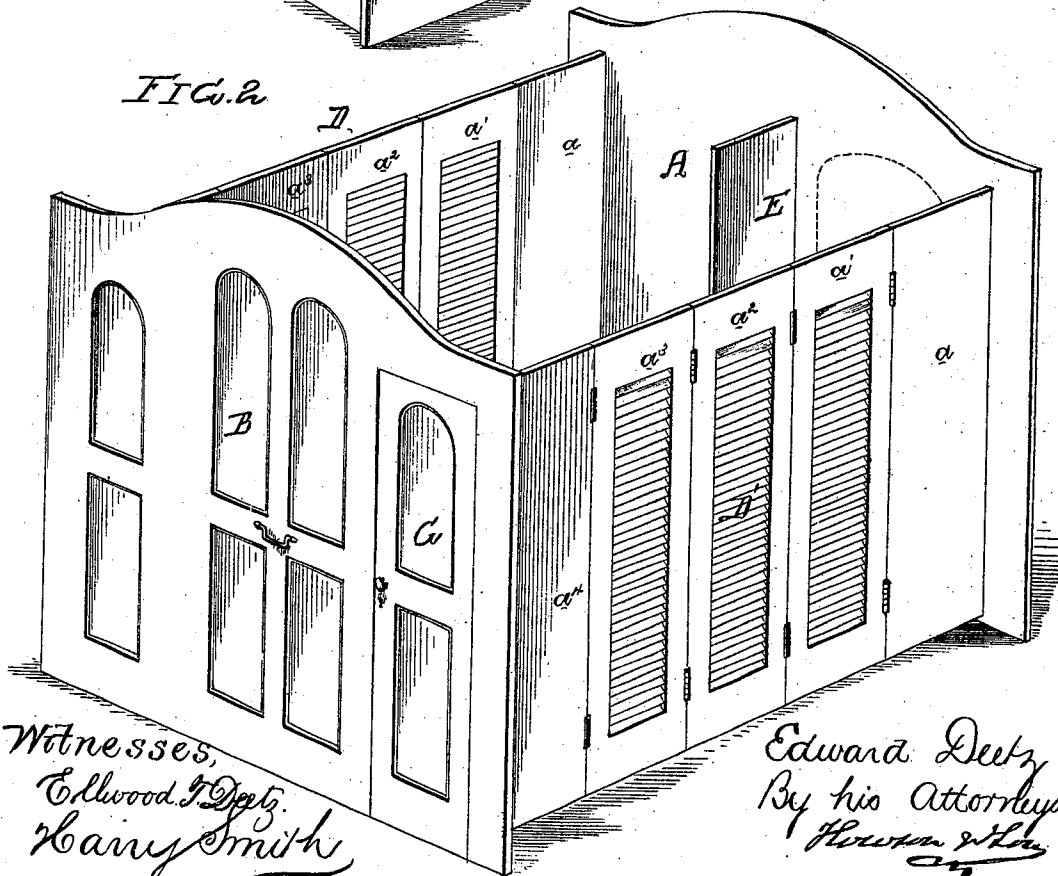


FIG. 2.



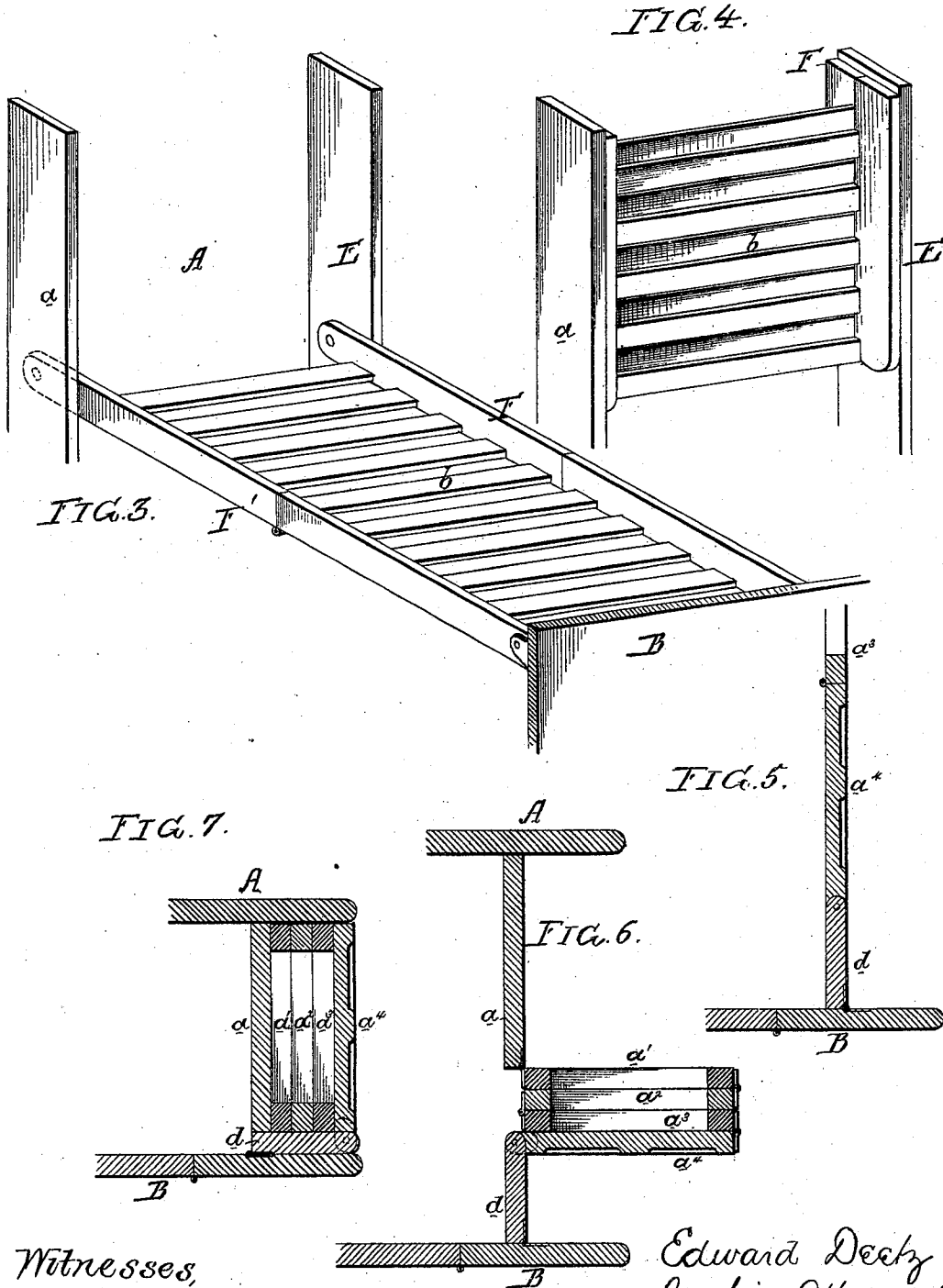
Witnesses,
Edwood J. Deetz
Henry Smith

Edward Deetz
By his Attorneys
Hewitt & Co.

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UNITED STATES PATENT OFFICE

EDWARD DEETZ, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN PORTABLE CHAMBERS.

Specification forming part of Letters Patent No. 172,980, dated February 1, 1876; application filed October 8, 1875.

To all whom it may concern:

Be it known that I, EDWARD DEETZ, of Philadelphia, Pennsylvania, have invented an Adjustable Sleeping-Chamber, of which the following is a specification:

The object of my invention is to construct for dwelling, hotels, &c., an apartment which may be either expanded, so as to form a sleeping-chamber during the night, or contracted, so as to occupy but little space in a room which is required for other than sleeping purposes during the day. This object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figures 1 and 2, Sheet 1, are perspective views, illustrating my improved extension apartment in a closed and in an extended condition, and Figs. 3, 4, 5, 6, and 7, views illustrating detailed features of my invention.

The compartment consists of the back A, front B, and opposite sides D and D', the back A being firmly secured to the wall of the room in which the compartment is situated, and the sides D D' being made, preferably, in sections a , a^1 , a^2 , a^3 , and a^4 , hinged together, so that when the front B is drawn out they will assume the position shown in Fig. 2; but when it is pushed inward will turn on their hinges and be folded together. I prefer to attach the first section a of each side rigidly to the back A, and I also attach to the back, midway, or thereabout, between the opposite sides, a partition, E, of a depth corresponding with the depth of the sections a . To this partition E is attached one end of a strip, F, and to the section a of one side, D, of the room, one end of an opposite strip, F', both strips F and F' being made in sections, hinged together in the middle, as shown, and also hinged at their opposite ends to the front B of the apartment. These strips form the sides of a bed-frame, and carry slats b for the reception of a mattress and bed-clothing. Between the partition E and the section a of the side A' of the room is a space for a wash-stand, the front edge of which is flush with, or slightly within, the front edges of the section a and strip E. The front B has a door, G, and is provided with a suitable handle by which the said front may be drawn out, casters being by preference at-

tached to its lower edge to facilitate its movement.

When the apartment is expanded the side strips F F' of the bed-frame are straightened, as shown in Fig. 3, and serve to brace the front and prevent it from being accidentally pushed inward; but when it is desired to contract the apartment the bed-clothes are first properly laid, and the frame is then slightly elevated in the center, when the front may be pushed inward, the bed-frame folding on its central hinge and turning on the end hinges until it is in the position shown in Fig. 4.

It should be understood that the bed-clothes are also folded with the frame, so that when the room is again extended the bed will be in a proper condition for use.

The end section a^4 of each of the sides D and D' is attached to the front B through the medium of a strip, d , which is hinged to the front at some distance from the edge of the same, and is connected to the section a^4 by means of a rule-joint, so that the sections, which, when the front is first pushed inward, assume the position shown in Fig. 6, can be turned around against the outside of the stationary section a in order to impart a more ornamental appearance to the side of the closed structure, and to allow the front A to approach the back more closely than if the sections a^4 were hinged directly to the said front. The sides D and D' may be composed either wholly of solid sections or wholly of slatted sections, or they may be partly solid and partly slatted, as shown, or a jointed frame of iron, covered with any suitable fabric, may, if desired, be employed in place of the hinged sections. There is, by preference, a slight space between the lower edge of each side and the floor, partly for ventilating purposes and partly to ease the movement of the sections. The top of the apartment may either be left open, as shown, or may be covered by a sheet of canvas or other suitable fabric, connected at its front end to the front B, and wound at the rear upon a roller actuated by a spring or weight, so that when the front is drawn out the cover will be extended, and when the front is pushed in will be automatically taken up by the roller.

The back A may have formed in it an open-

ing, shown by dotted lines in Fig. 2, to coincide with any window in the wall of the building, or the back may be entirely dispensed with and the sections a of the sides and the partition E connected directly to the wall.

In some cases telescopic sides, composed of sections arranged to slide one upon the other, may be employed in place of the hinged sections shown, but I prefer the latter as being simple and economical. I prefer, also, to construct the front and back in sections, secured together by suitable braces, in order that the entire structure may be taken apart and packed in a small compass for transportation.

I claim as my invention—

1. The within-described compartment, consisting of a front, B, and folding or sliding sides D and D', connected to the front and to

a back, A, or to the wall of the building, all substantially as herein set forth.

2. The combination of the side strips F F' made in sections hinged together, with the front B, the section a of one side, and the partition E, to which they are also hinged, all as and for the purpose set forth.

3. The strip d , hinged to the front B, and connected to the sections a' of the sides, and serving to connect the front and sides together, as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD DEETZ.

Witnesses:

ELWOOD T. DEETZ,
HARRY SMITH.