(No Model.)

J. O'MEARA.

REMOVABLE CHAIR SEAT.

No. 541,005. Patented June 11, 1895.

Fig. 1

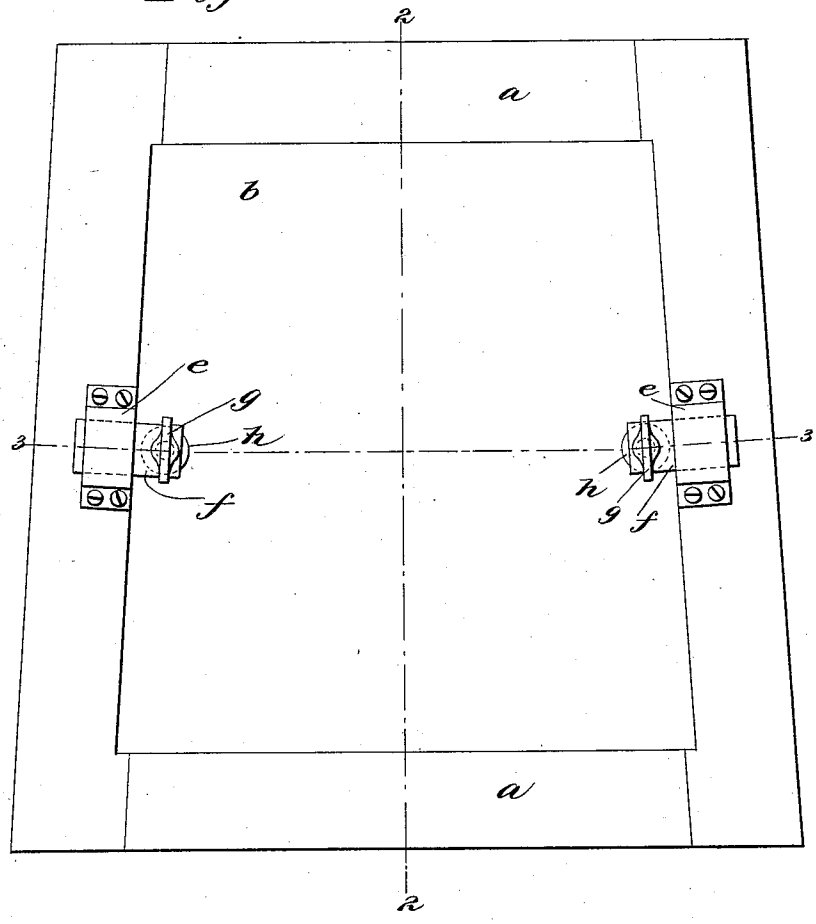


Fig. 2

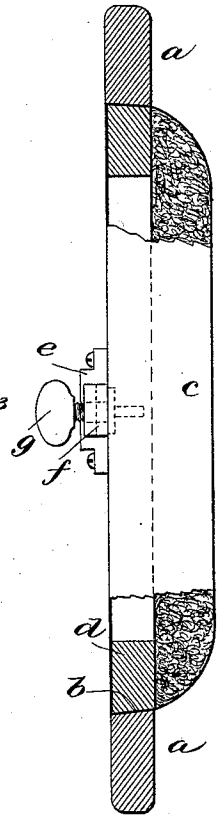


Fig. 3

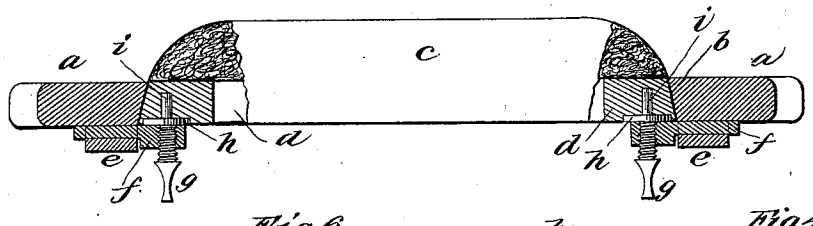


Fig. 5

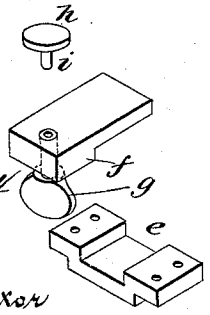
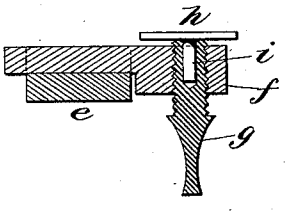


Fig. 6



Witnesses:
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UNITED STATES PATENT OFFICE.

JEREMIAH O'MEARA, OF NEW YORK, N. Y.

REMOVABLE CHAIR-SEAT.

SPECIFICATION forming part of Letters Patent No. 541,005, dated June 11, 1895.

Application filed March 22, 1895. Serial No. 542,774. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH O'MEARA, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Removable Chair-Seats, of which the following is a full, clear, and exact description.

The object of this invention is to provide means for readily inserting, securing and adjusting removable seats in the seat-frame of chairs, sofas, settees, and other objects.

The invention will be best understood by describing its principle as applied to a chair-seat composed of a rigid stationary frame and having the seat or bottom member made by upholstering a frame and inserting the said upholstered frame within the stationary frame from below and carrying and holding it in place, so that it may be adjusted or removed at pleasure, by means of fastenings in the nature of cramps or clamps, comprising a stationary part applied to the stationary frame, and a movable and adjusting part applied to the upholstered frame and co-operating with the stationary part, all as I will proceed now more particularly to set forth and finally claim.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a bottom plan view of a chair-seat. Fig. 2 is a longitudinal section taken substantially in the plane of line 2 2, Fig. 1. Fig. 3 is a transverse section taken substantially in the plane of line 3 3, Fig. 1. Fig. 4 is a perspective view of the stationary and movable parts of the fastening and adjusting device. Fig. 5 is a perspective view of an auxiliary of the fastening device, and Fig. 6 is a longitudinal section of another form of fastening device.

The frame *a* may be of wood, and of any suitable construction, and preferably having the adjacent inner edges *b* of its opening beveled, as shown in Figs. 2 and 3. In the instance illustrated in the drawings, I have shown a stuffed seat or upholstered seat *c*, erected upon the frame *d*, and having the outer edges of its frame beveled correspondingly with the bevel of the seat-frame *a*.

The devices used for securing the seat in the frame and for adjusting it therein, comprise a stationary part or keeper *e*, fixed to the stationary frame, and made as a socket, and a movable part or bolt *f* adapted to enter the socketed part of the keeper and provided with a set-screw *g*, which set-screw bears against the frame *d* of the upholstered seat so as to cramp or pinch the bolt within the keeper and, at the same time, force the upholstered seat home within the seat-frame *a*. In order to provide a bearing for the point of the screw against the frame *d*, I may sink into the said frame the button or wear-plate *h*, or, as shown in Fig. 6, said button or wear-plate may be carried by the screw *g*, the shank or tang *i* being inserted in a socket in the point of the screw and following the screw in its adjustment in the bolt *f*. Two or more of these fastenings may be used at opposite points to secure the seat within its frame.

The projection of the screws through the bolts serves to press the seat-frame *d* tightly into the frame *a*, the resistance being taken up by the keepers.

Obviously, by running out the screws so as to loosen the bolts *f*, the said bolts with their attached screws may be removed and the upholstered seat withdrawn from the seat-frame for recovering or for any other purpose.

This simple and inexpensive form of seat-fastening admits of the ready employment of stuffed bottoms for winter use and cane bottoms for summer use in chairs and other articles of furniture, the bottoms in every case being rigidly and securely fixed within the seat or other supporting frame.

Obviously, the invention is applicable not only to chairs but also to seats for settees and other similar articles of furniture. The invention is also applicable to those tables which have removable centers, the devices not only serving to secure the removable portion in place but also to level or adjust it as occasion may require.

What I claim is—

1. The combination of a stationary or fixed supporting frame, a removable portion arranged therein, and fastening for securing the removable portion to the frame and adjusting it therein, each fastening comprising a stationary part or keeper, a bolt, a set-screw

in said bolt, and a wear-plate to receive the thrust of the set-screw, substantially as described.

2. A chair seat fastening and adjusting device composed of the keeper *e*, the bolt *f*, the screw *g* arranged in said bolt, and the wear-plate *h* having a shank fitted in a hole in the point of the screw, substantially as and for the purpose described.

3. The combination of a stationary or fixed supporting frame, a removable portion, such as a chair-seat, arranged in said frame, the adjacent edges of these two members being complementally beveled, and fastenings for detachably and adjustably uniting these members, such fastenings comprising a keeper, a bolt, a set-screw in said bolt and a wear-plate to receive the thrust of the set-screw, substantially as described.

In testimony whereof I have hereunto set my hand this 20th day of March, A. D. 1895.

JEREMIAH O'MEARA.

Witnesses:
T. H. WHITE,
J. H. CURRY.