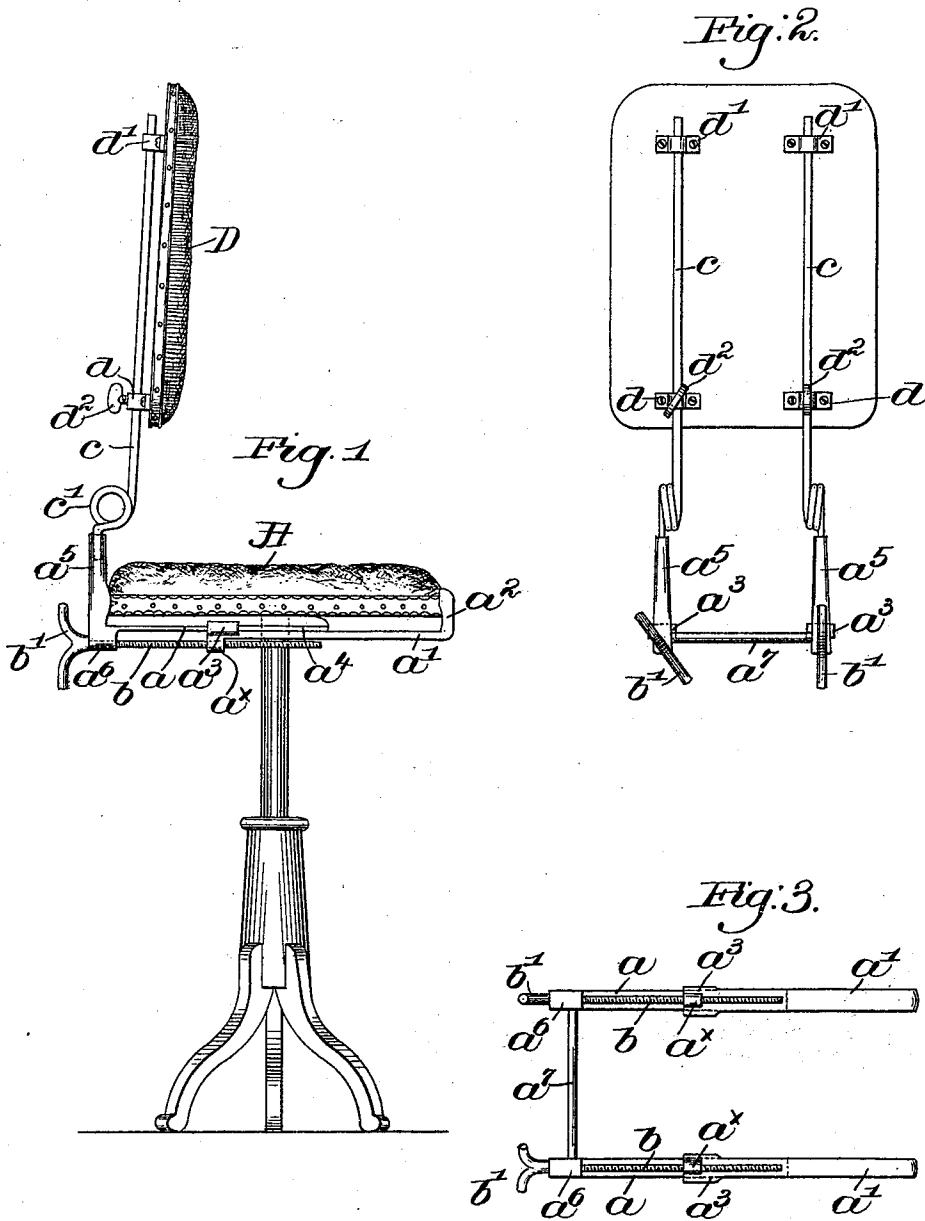


(No Model.)

A. P. DERBY.
REMOVABLE BACK FOR SEATS.

No. 518,097.

Patented Apr. 10, 1894.



Witnesses

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UNITED STATES PATENT OFFICE.

ALVAN P. DERBY, OF SOUTH WEYMOUTH, MASSACHUSETTS.

REMOVABLE BACK FOR SEATS.

SPECIFICATION forming part of Letters Patent No. 518,097, dated April 10, 1894.

Application filed October 24, 1893. Serial No. 488,982. (No model.)

To all whom it may concern:

Be it known that I, ALVAN P. DERBY, of South Weymouth, county of Norfolk, State of Massachusetts, have invented an Improvement in Removable Backs for Seats, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide a novel removable, preferably yielding, back for seats, the same being particularly adapted for use in connection with piano stools.

In accordance with this invention I provide two clamping members and provide suitable means by which to move the same toward each other to embrace and clamp the seat to which the back is to be applied, one of the said members carrying the back which is removable by releasing the clamping members. The back is preferably mounted upon one or more suitable springs which permit it to yield more or less to accommodate the position of the person occupying the seat, and the said back is preferably detachable from the clamping member which supports it.

In the drawings, Figure 1 represents in side elevation a seat shown as a piano stool equipped with a back embodying this invention; Fig. 2, a rear elevation of the back and its supporting members; and Fig. 3, an underside view of the supporting members.

Referring to the drawings, in the particular embodiment of my invention there shown, A represents any usual seat or stool to which the back is to be applied.

In accordance with this invention I provide one or more sets or pairs of clamping members a , a' , I having herein shown two such pairs, the members a' having their front ends upturned as at a^3 to engage the front of the seat, and at their rear ends provided with suitable ears a^3 adapted to embrace the guiding surfaces or ribs a^4 formed at the under sides of the members a , the members a' being thus adapted to slide on and with relation to the members a . The members a at their rear ends are provided with upwardly extended socket lugs a^5 , said members being also provided with depending lugs a^6 through which are loosely passed the threaded adjusting or clamping rods b , threaded in lugs a^x

on the under sides of the clamping members a' , as shown, the said clamping rods at their rear ends being provided with suitable handles b' by which they may be rotated in one or the other direction for the purpose of clamping the members a and a' to or releasing the same from the seat A. The socket lugs a^5 receive the ends of suitable springs c , shown as wire springs coiled at c' and with their ends extended substantially vertically upward through the eyes d and d' , at the rear side of the back D, the latter being retained in vertically adjusted position upon and with relation to the said spring rods by means of one or more thumb screws d^2 , shown as tapped into the eyes d .

To apply the back, the clamping rods or devices b are turned to separate the clamping members a and a' , to sufficiently enable the clamping lugs or ends thereon to be passed up at the front and back of the seat, when the said clamping devices are again rotated in an opposite direction to draw the said clamping members together, to cause the same to tightly clamp the seat frame and thereby remain rigidly secured thereto. The lower ends of the spring rods c which during the clamping operation have preferably, together with the back D, been removed, are now inserted in the socket lugs a^5 , and the operation of applying the back to the seat is complete.

If at any time one who occupies the seat does not wish to have the back in position, the latter may be removed by simply lifting the spring rods from the socket lugs a^5 , leaving the clamping members still in position upon the seat to receive and again hold the back when the latter is desired.

By means of the thumb screws d^2 , the back may be adjusted to fit the back of the person occupying the seat.

As herein shown and preferably when two or more pairs of clamping members are employed, the members a are connected by means of a cross piece a^7 , see Fig. 3.

While I have herein shown and prefer to employ at least two pairs of clamping members and back supporting springs, yet this invention is not restricted in this particular, for any number of pairs of clamping members and back supporting spring or springs may

be employed and still come within the scope of this invention. Neither is this invention limited to the particular construction or shape of the parts herein shown, for it is evident the same may be varied without departing from the spirit and scope of the invention.

I claim—

In a removable seat back, two pairs of clamping members, the members of each pair having upwardly extended lugs to embrace a seat, guide-ways on one of the members of each pair in which the other member of each pair is free to move, means to move the mem-

bers of each pair one with relation to the other to clamp and hold between them a seat a connection between one of the members of one pair and a corresponding member of the other pair, and a back carried by said clamping members, substantially as described.

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

ALVAN P. DERBY.

Witnesses:

FREDERICK L. EMERY,
AUGUSTA E. DEAN.