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ROTATABLE OSCILLATORY SEATS FOR ASSOCIATION WITH PEDAL OPERATED MACHINERY

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Fig. 2.

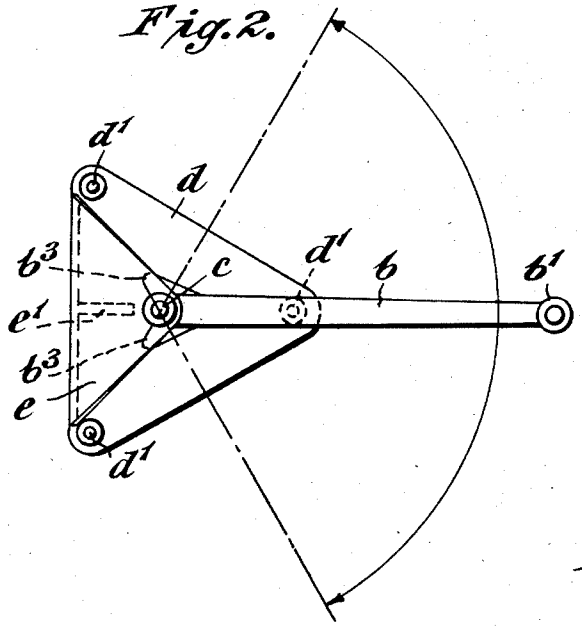
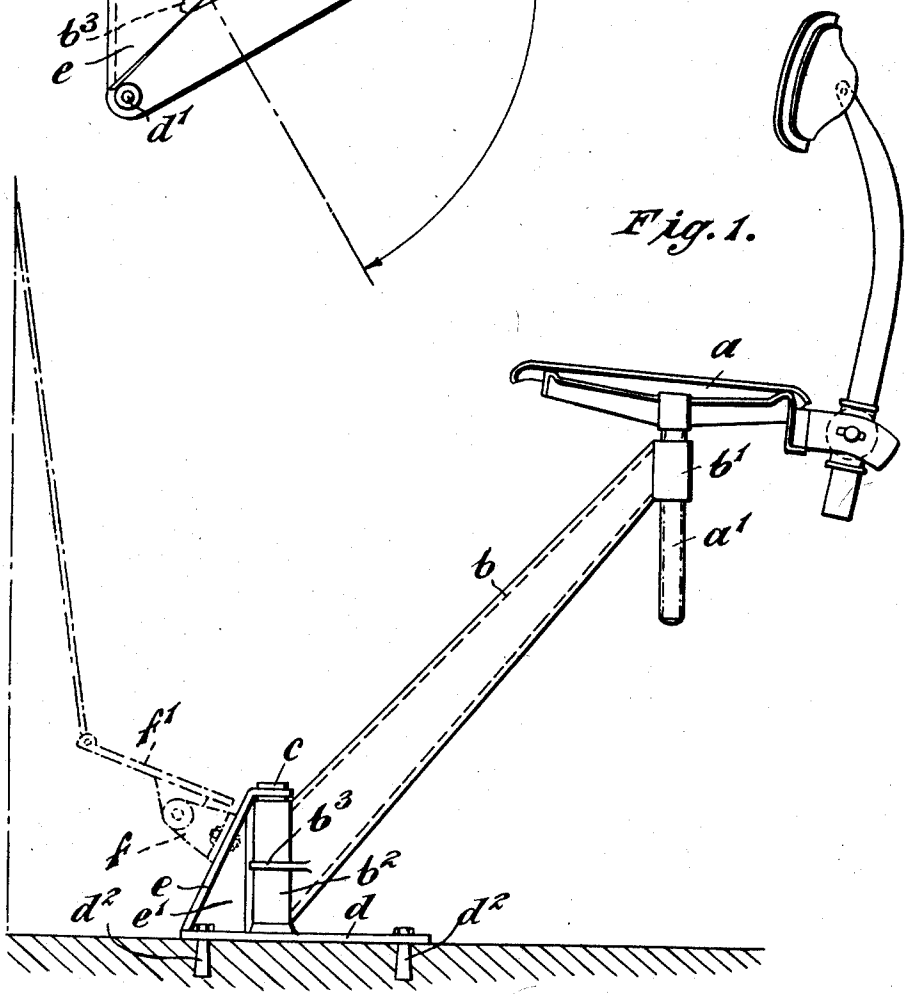


Fig. 1.



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ROTATABLE OSCILLATORY SEATS FOR ASSOCIATION WITH PEDAL OPERATED MACHINERY

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1 Claim. (Cl. 155—81)

This invention relates to improvements connected with rotatable oscillatory seats for association with pedal operated machinery and is particularly applicable for connection to a machine of which the operator is required to service an arc of the machine such as, by way of example, when applied to a circular knitting machine, and is also required to control the operation of the machine by means of a pedal.

The invention consists of improvements connected with rotatable oscillatory seats for association with pedal operated machinery and comprises a seat which is oscillatorily mounted by means of a rotatable spindle located at the upper end of an inclined arm which in turn is pivotally mounted at its base by means of a housing disposed about a vertical pin, the pin being secured between a base frame which is adapted to be fastened to the floor and a tie plate extending from the frame to the upper extremity of the pin. A bracket for the pivotal support of a control pedal associated with the machine may be adjustably mounted on the face of the tie plate. The invention further consists in the provision between the tie plate and base frame of a medial web which serves to limit the arcuate swing of the arm in relation to the machine by virtue of a contacting forked flange on the tubular bearing member of the inclined arm.

In order that the invention may be clearly understood and readily carried into practice reference may be had to the appended explanatory drawings in which:

Fig. 1 illustrates in elevation a rotatable oscillatory seat in accordance with the present invention and

Fig. 2 is a plan view with seat and back rest removed.

According to the embodiment of the invention the seat a is provided with a dependent spindle a^1 which is pivotally accommodated within a housing b^1 formed at the

upper end of an inclined girder section arm b. A housing b^2 formed at the lower end of the arm b is rotatably mounted about a vertical pin c which is mounted between a triangular base frame d and a superimposed cranked triangular tie plate e which is welded or otherwise secured along one edge to the base frame d.

The base frame d is provided with holes d^1 at the apices thereof to enable the frame to be secured to the ground by means of rag bolts d^2. A vertical medial web e^1 is provided between the superimposed triangular tie plate e and base frame d and forms an abutment for a forked flange b^3 projecting from the spindle housing b^2 of the girder arm b and thereby serves to limit the arcuate swing of the arm b and seat in relation to the machine with which the seat is associated.

A bracket f for the pivotal support of a foot pedal f^1 for the control of the machine by the operator may be adjustably bolted to the upper face of the tie plate e.

I claim:

Improvements in rotatable oscillatory seats comprising a seat, an inclined arm having a mounting housing integrally formed on the base of said arm, a contacting forked flange forming a pair of stops on said mounting housing extending laterally therefrom and being substantially equally spaced one on each side of said arm, a base frame adapted to be fastened to a floor, a tie plate integral with and extending from said base frame to the upper side of said arm mounting housing with a part extending thereover, an upwardly extending medial web integral with said tie plate and extending therefrom toward said mounting housing for reinforcing said tie plate and arranged between said forked flange stops on said housing engageable thereby for limiting the arcuate swing of said arm by engagement of said stops with said medial web on oscillation of said arm, means including a pin for oscillatably securing said mounting housing between said base frame and said tie plate part, and a rotatable spindle means for oscillatably mounting said seat on the upper end of said arm.

References Cited in the file of this patent

UNITED STATES PATENTS

588,525	Bell	Aug. 17, 1897
956,925	Bailey	May 3, 1910
1,182,639	Carr	May 9, 1916
1,892,813	Sheldon	Jan. 3, 1933
2,553,545	Booth	May 22, 1951