May 4, 1926. 1,583,030

K. D. THOMPSON

ADJUSTABLE SEAT

Filed Jan. 2, 1926

Fig. 1.

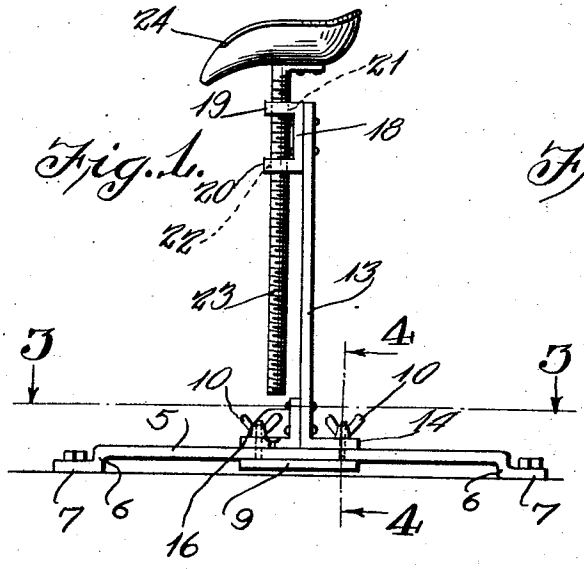



Fig. 2.

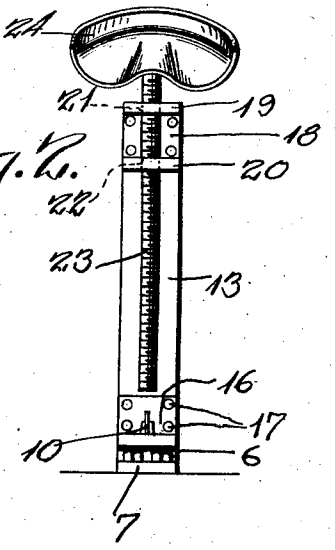



Fig. 3.

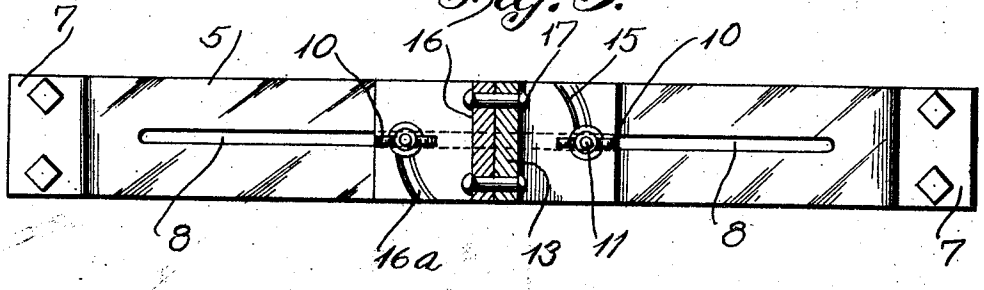
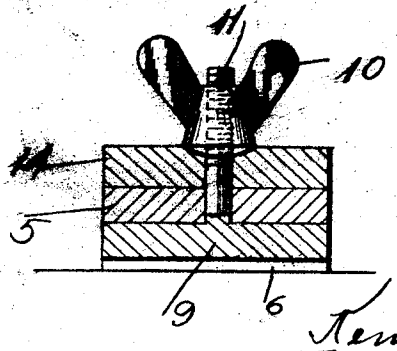



Fig. 4.




Inventor

Kenna D. Thompson

Frank S. Addeman

Attorney

Patented May 4, 1926. 1,583,030

# UNITED STATES PATENT OFFICE.

KENNA D. THOMPSON, OF BROOKLYN, NEW YORK.

## ADJUSTABLE SEAT.

Application filed January 2, 1926. Serial No. 78,921.

*To all whom it may concern:*

Be it known that I, KENNA D. THOMPSON, a citizen of the United States of America, and resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Adjustable Seats, of which the following is a specification.

This invention relates to adjustable seats, and has reference particularly to a seat for use by operators of controls of hoisting machinery, steam shovels, and for those of other occupations where it is desirable for the operator to be seated.

It is an object of this invention to produce a seat capable of adjustment with respect to controls or machinery to be manipulated; and it is a further object of this invention to provide novel means whereby the seat may be moved vertically and in spaced relation to the controls of machinery to be manipulated.

It is a still further object of this invention to provide novel means for adjustably supporting and holding a standard and to provide a standard with novel means whereby a seat may be adjustably held thereby.

It is furthermore an object of this invention to provide an adjustable seat of the character indicated having an anchorage to which the standard may be expeditiously attached or detached so that the standard with the seat may be removed, if desired.

It is a still further object of this invention to produce a seat, anchor and support which can be constructed almost wholly by the cutting and stamping processes now in general use, resulting in minimizing the cost of manufacture.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this application wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 illustrates a view in side elevation of an adjustable seat embodying the invention;

Figure 2 illustrates a front elevation thereof;

Figure 3 illustrates a sectional view taken on the line 3—3 of Fig. 1; and

Figure 4 illustrates a sectional view taken on the line 4—4 of Fig. 1.

In these drawings, I have shown an anchor or base comprising a relatively heavy metal plate having an approximately horizontally disposed portion 5 with angularly disposed and downwardly extending portions 6 and horizontally disposed portions 7 which rest on a floor or platform usually occupied by operators. If, for instance, the seat is to be associated with the operating levers for controls of a hoisting machine or an excavating machine, the base will be stationed in convenient location to the controls in order that the seat when adjusted with respect to the base, as will presently appear, may be used in comfort by short or tall operators so that hand operated levers or pedals may be manipulated by the feet of the operator without fatigue.

The horizontally disposed portion of the base 5 has a longitudinally extending slot 8 and a clamping plate 9 is located under the said horizontally disposed portion. The clamping plate is held in different positions of adjustment with relation to the base through the medium of nuts 10, preferably wing nuts, which engage threads on studs or bolts 11 carried by or projecting through the clamping plate. The threaded elements 11 project through the slot 8 of the horizontally disposed portion of the base and the clamping plate may therefore freely move under the said base. The portions 7 of the base have apertures 12 for receiving bolts or lag screws or other fastenings by which the base is anchored to the floor or platform, to which reference has been made.

A standard 13, preferably of flat metal of proper gage, has an angularly disposed foot 14 which is slidable on the upper surface of the horizontally disposed portion of the base and it has a transverse slot 15 for the reception of a threaded element 11, and when a wing nut has been applied to the threaded element and screwed down to force the foot into engagement with the base, the parts will be held in different positions of adjustment and the standard may therefore be located in different positions with respect to the parts of machinery to be operated.

As an auxiliary means for holding the standard and for bracing it, a brace plate

16 has a portion which stands parallel with the standard near its lower end and it is secured to said standard by fastenings 17, such as bolts or the like. The brace has an angularly disposed foot with a slot 16ª to receive one of the threaded elements 11 and the angularly disposed foot is engaged by a wing nut by which the brace is clamped to the base. Preferably, the angularly disposed portion of the brace and standard have their upper surfaces concave at the slots through which the threaded elements project and the wing nuts are partially seated in these concavities when properly set to hold the parts in adjusted positions.

A bracket is secured to the standard near its upper end and the said bracket is preferably formed from a plate of metal of suitable gage having a portion 18 which lies parallel with and is attached to the standard and with portions 19 and 20 which extend outwardly at right angles thereto. The angularly disposed portions 19 and 20 have threaded apertures 21 and 22, respectively, for receiving a threaded rod 23 on which the seat 24 is secured.

While any appropriate seat may be mounted on the threaded rod, there is illustrated, in the present embodiment of the invention, a conventional type of seat that is used to a great extent on agricultural implements, although the inventor does not wish to be limited with respect to the type of seat employed, since that may be changed to suit particular requirements without departing from the spirit of the invention. When the rod 23 is threaded in the apertures of the bracket, it may be adjusted vertically to make it convenient for people of different heights, and by reason of the fact that the standard may be adjusted with relation to the base, the seat can be positioned in the manner heretofore stated and for the purposes described.

As the functions of the several parts of the device have been stated in connection with a description of the parts, a résumé of the operation is believed unnecessary for an understanding of the invention by one skilled in the art.

The slot 15 extends inwardly from the edge of the foot 14 in a direction opposite that of the slots 15ª in the foot of the brace 16, a condition which permits the standard and brace to be disengaged from the fastenings by a partial rotary motion of the standard.

I claim:

1. In an adjustable seat, a base adapted to be secured to a support, said base having a slot therein, a clamping plate under the base, threaded fastenings in the plate projecting through the slot of the base, a standard having an angularly disposed portion slidable on the base and having an aperture to receive one of the fastenings, a brace secured to the standard and having an angularly disposed portion slidable on the base and provided with an aperture to receive another of the said fastenings, means engaging the fastenings for binding the clamping plate and the angularly disposed portions of the standard and brace in engagement with the base, a bracket secured to the standard near its top and having threaded apertures, a threaded rod adapted to be adjusted in the apertures of the bracket, and a seat on the said rod.

2. In an adjustable seat, a base adapted to be secured to a support, said base having a slot therein, a clamping plate under the base, threaded fastenings in the plate projecting through the slot of the base, a standard having an angularly disposed portion slidable on the base and having an aperture to receive one of the fastenings, the surface of the angular portion being concaved at the aperture, a brace secured to the standard and having an angularly disposed portion slidable on the base and provided with an aperture to receive another of the said fastenings, the surface of the angular portion being concaved at the aperture, means engaging the fastenings for binding the clamping plate and the angularly disposed portions of the standard and brace in engagement with the base, a bracket secured to the standard near its top and having threaded apertures, a threaded rod adapted to be adjusted in the apertures of the bracket, and a seat on the said rod.

3. In an adjustable seat, a base adapted to be secured to a support, said base having a slot therein, a clamping plate under the base, threaded fastenings in the plate projecting through the slot of the base, a standard having an angularly disposed portion slidable on the base and having an aperture to receive one of the fastenings, a brace secured to the standard and having an angularly disposed portion slidable on the base and provided with an aperture to receive another of the said fastenings, means engaging the fastenings for binding the clamping plate and the angularly disposed portions of the standard and brace in engagement with the base, a bracket secured to the standard near its top and having threaded apertures, said bracket comprising a plate secured to the standard and having outwardly extending parts with threaded apertures in alinement, a threaded rod adapted to be adjusted in the apertures of the bracket, and a seat on the said rod.

KENNA D. THOMPSON.