

G. E. MORSE.

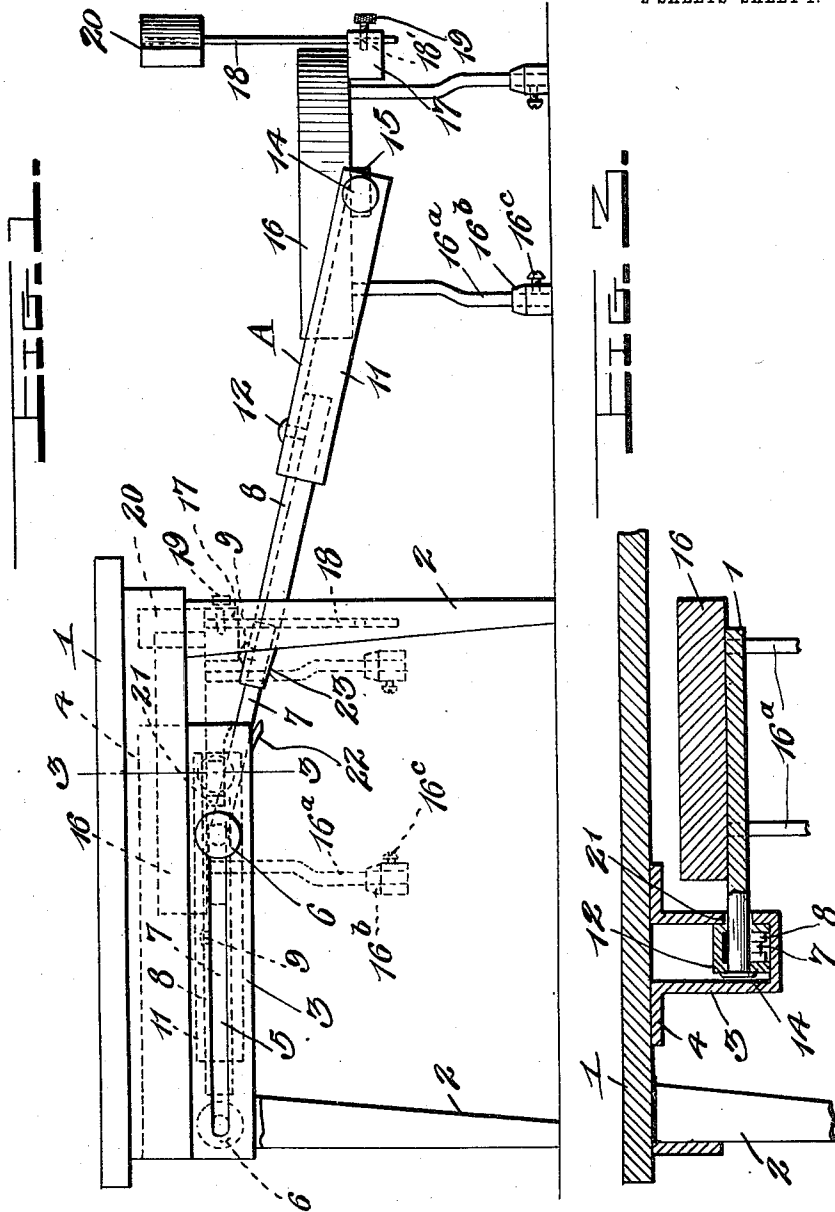
SEAT.

APPLICATION FILED APR. 8, 1912.

1,043,450.

Patented Nov. 5, 1912.

2 SHEETS—SHEET 1.



Inventor

G. E. Morse,

Witnesses

Chas. L. Griesbauer.

By

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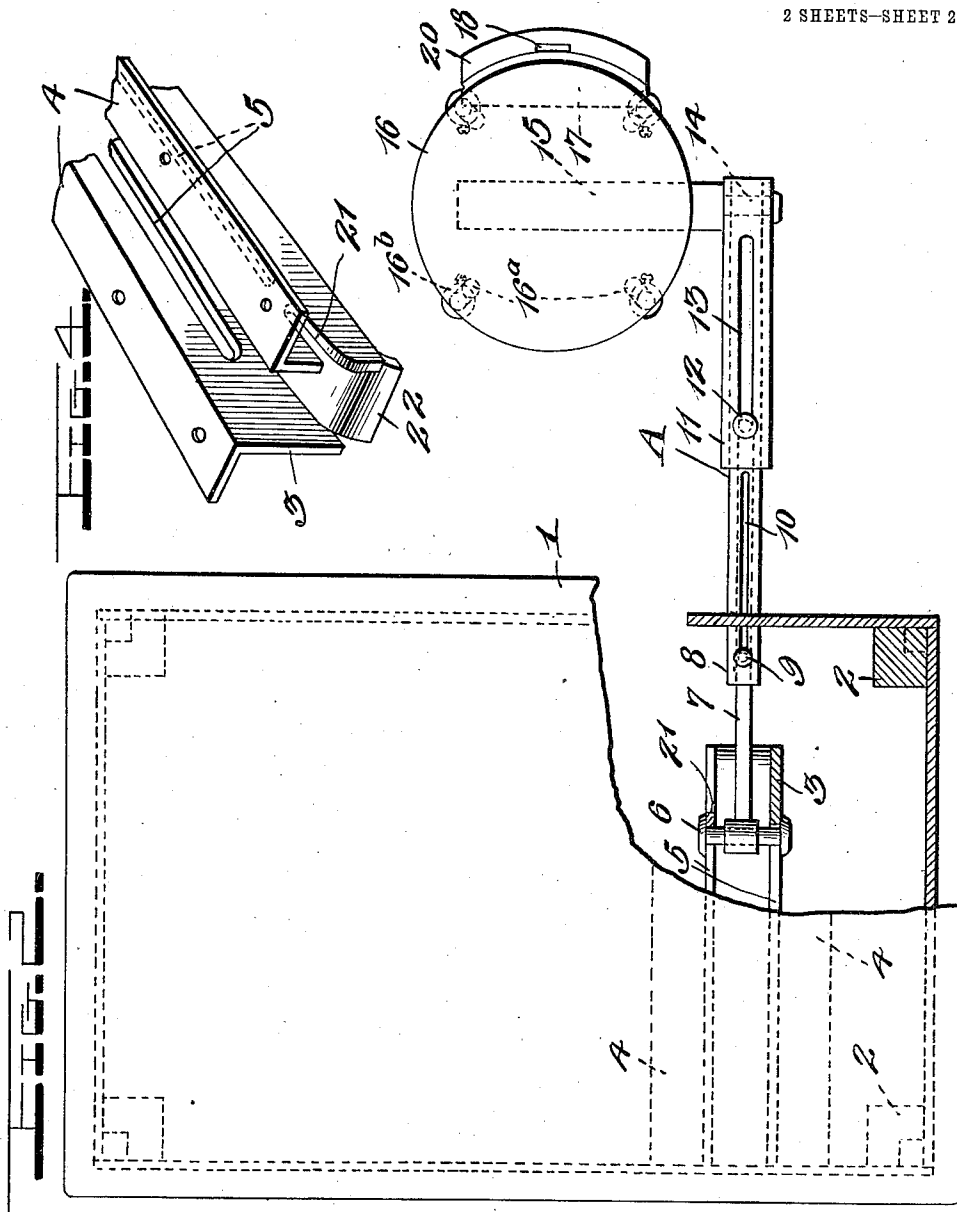
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UNITED STATES PATENT OFFICE.

GEORGE E. MORSE, OF BROCKTON, MASSACHUSETTS.

SEAT.

1,043,450.

Specification of Letters Patent.

Patented Nov. 5, 1912.

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To all whom it may concern:

Be it known that I, GEORGE E. MORSE, a citizen of the United States, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Seats, of which the following is a specification, reference being had to the accompanying drawings.

This invention comprehends certain new and useful improvements in furniture, and relates particularly to an improved construction of seat for use especially in the stitching rooms of shoe factories, although applicable for other uses generally.

As is well known, shoe manufacturers have heretofore had considerable trouble in their factories by reason of the loose stools or chairs being knocked about and broken and being left in the aisle at night time where, in case of fire, they are a serious obstruction to the firemen, so much so that in some factories stringent orders have been enforced requiring that the workmen, when they leave at night, place their stools or chairs upon the work benches.

With a knowledge of these conditions, my invention has for its primary object a simple, durable and efficient construction of device including a seat, a work bench or other support, and an extensible connection between the two, whereby the seat may be easily drawn out and rest solidly on the floor instead of being suspended from the bench or table, when the seat is required for use, and may be easily slipped back underneath the table in suspended relation to the floor, when not required for use, whereby not only will the aisles be kept clear at night time, but free space will be provided on the floor so that the latter may be easily swept or scrubbed.

The invention also has for its object a simple construction of this character, the parts of which may be cheaply manufactured and readily assembled, and which will be so arranged that the operation of drawing the seat out from underneath the table or bench will be accompanied by a practically automatic movement of the seat toward and into contact with the floor, and, whereby, in the reverse operation, the inward movement of the seat toward the table or bench will be accompanied by a practically automatic movement up underneath the bench, the seat

being finally held in suspended position underneath the top of the table ready to be withdrawn at will, and without the necessity of independent fastening devices. And the invention also aims to generally improve devices of this class and to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements, and combinations of parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a side elevation of my improved device, the seat being shown extended in full lines and in its inoperative position in dotted lines; Fig. 2 is a top plan view of the device with the seat extended; Fig. 3 is a fragmentary sectional view, the section being taken on the line 3—3 of Fig. 1; and Fig. 4 is a fragmentary perspective view of the main supporting bracket.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by like reference characters.

Referring to the drawing, the numeral 1 designates a support which, in the present instance, is in the form of a work bench or table mounted upon legs 2, although it is to be understood that within the purview of this invention, the support may be of any desired character, such as a desk or other article of furniture. Secured underneath the top of the table 1 is a casing 3 in the form of a channeled bar having its side edges turned outwardly to form horizontally disposed flanges 4 to receive screws or similar fastening devices by which it may be secured in place. The vertically disposed and longitudinally extending sides of the casing 3 are formed with longitudinally extending slots 5 in which a transversely extending bolt 6 is accommodated, said bolt being pivotally connected to one end of a preferably flat bar 7 which forms one section of an extensible supporting arm A. The bar 7 is adapted to telescope or slip in between the flanges of an adjoining bar 8 and is provided at one end with a stud 9 working in a longitudinal slot 10 formed in the bar 8.

In turn, the flanged bar 8 is adapted to slip into a flanged bar 11 and is provided at one end with a stud 12 accommodated in the longitudinal slot 13 formed in the bar 11. The bar 11 is pivotally secured by one of its side flanges and near one end thereof to a laterally projecting stud 14 which is secured to one end of a transversely extending bar 15 secured in any desired way to the bottom of a stool or chair seat 16, the same being designed, when withdrawn from underneath the table 1, to rest solidly on the floor by means of four legs 16^a, to the lower ends of which are adjustably secured foot blocks 16^b by set screws 16^c. Fastened underneath the rear side of the seat 16, is a block 17 which is formed with an opening extending therethrough for the reception of the lower end of a seat post 18 which is vertically disposed, as clearly illustrated in the drawing, and which is formed at its lower end with an opening 18^a designed to receive a fastening device 19, whereby the post may be held in a relatively elevated position to hold its back rest 20 at the desired elevation. When the seat is not required for use, the fastening device 19 is loosened and the seat post 18 lowered to the position illustrated in dotted lines in Fig. 1.

From as much of the description as has preceded, in connection with the accompanying drawing, it will be understood that when the seat 16 is drawn out from underneath the table top 1, the sections 7, 8 and 11 of the supporting arm A will become extended relative to each other and the seat 16 which has a pivotal connection with the section 11 of the arm may be lowered and rest solidly upon the floor. When the seat is not required for use, it is only necessary to push it inwardly, this motion collapsing or telescoping the various sections 7, 8 and 11 of the arm A and sliding the entire device into the casing 3, the inward movement being accompanied by a practically automatic upward movement as the bars or sections 7, 8 and 11 ride upwardly and inwardly upon the bottom of the casing 3. One side of the casing 3 is formed at its inward edge with a recess 21 designed to receive the preferably flat bar 15 which is directly secured to the seat 16, whereby when the parts are collapsed and the seat 16 is suspended underneath the top of the table, the bar 15 will rest snugly in the recess and thereby hold the parts from falling outward and downward. In order to facilitate the inward movement of the sections of the extensible supporting arm A, the bottom of the casing 3 is formed at its forward edge with a forwardly and downwardly turned lip 22 and preferably the side flanges of the intermediate bar 8 of the extensible arm A are be-

veled, as indicated at 23, so as to facilitate the inward sliding movement.

While the accompanying drawing illustrates what I believe to be the preferred embodiment of my invention, it is to be understood that the invention is not limited thereto, but that various changes may be made in the construction, arrangement, and proportions of the parts without departing from the scope of the invention as defined in the appended claims.

Having thus described the invention, what is claimed is:—

1. A device of the character described, including a support, a casing held in an elevated position by said support and formed at its forward edge with a seat recess, an extensible arm having a pivotal and sliding connection at one end with said casing, a seat, and a bar connected to said seat and projecting laterally therefrom and adapted to be received in said recess with the arm collapsed and the seat held in an elevated position underneath the support.

2. A device of the character described, including a support, a casing held in an elevated position by said support, and formed in its side walls with longitudinal slots, a bolt movable freely in said slots and extending transversely of the casing, an extensible arm constructed in a plurality of sections having a stud and slot connection with each other and adapted to telescope one upon the other, one of said sections being pivotally connected to said bolt, a seat, a bar secured to said seat and projecting laterally therefrom, said bar being provided with a stud pivotally connected to another section of said arm, and legs secured to said seat.

3. A device of the character described, including a support, a casing held in an elevated position by said support and formed in its side walls with longitudinally extending slots and in the front edge of one side wall with a recess, a transverse bolt movable freely in said slot, an extensible arm constructed in a plurality of sections having stud and slot connections with each other, one end section being pivotally mounted upon said bolt, a seat, a bar secured to said seat and projecting laterally therefrom and provided at one end with a stud pivotally connected to the other end section of the arm, and legs secured to said seat, the bar being designed for reception in said recess, as and for the purpose set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

GEORGE E. MORSE.

Witnesses:

C. ORLANDO BACHELDER,
R. D. MACDONALD.