R. LIBENSCEK.

REVERSIBLE SEAT FOR CHAIRS.

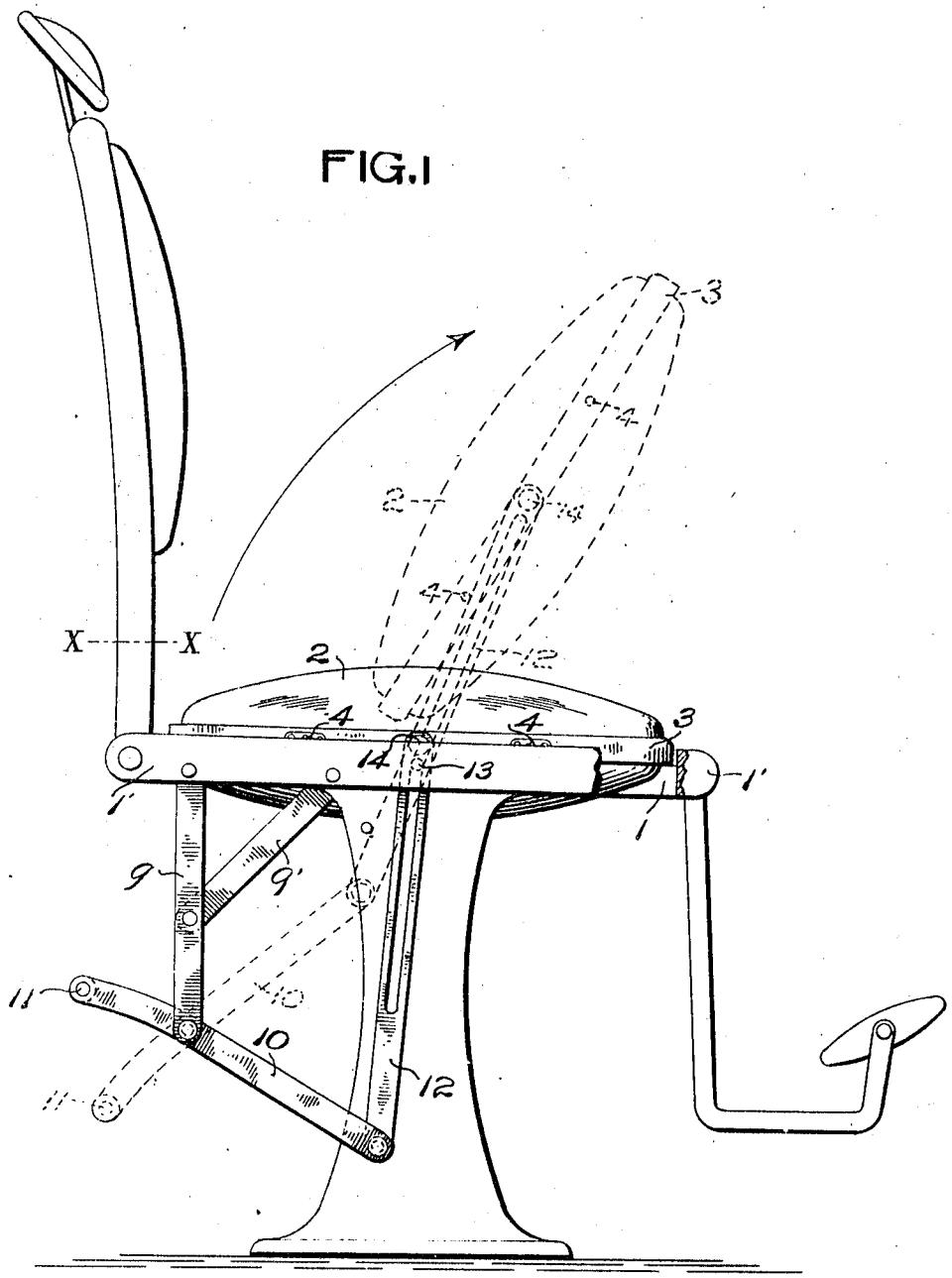
APPLICATION FILED NOV. 15, 1912.

1,055,337.

Patented Mar. 11, 1913.

2 SHEETS—SHEET 1.

FIG. 1



WITNESSES

Jesse Baker.

S. Boyd.

INVENTOR

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2 SHEETS—SHEET 2.

FIG. 2

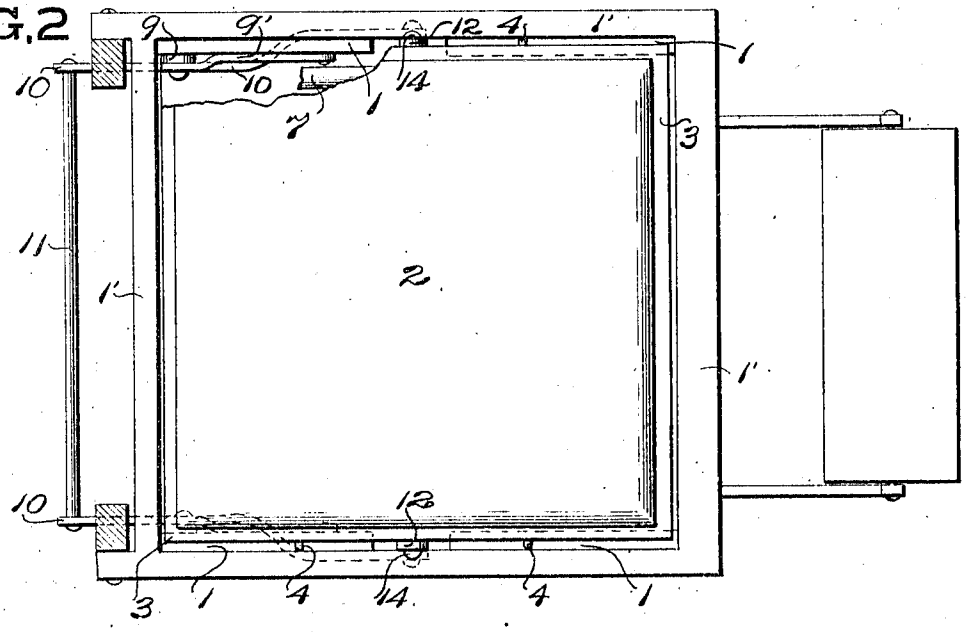


FIG. 3

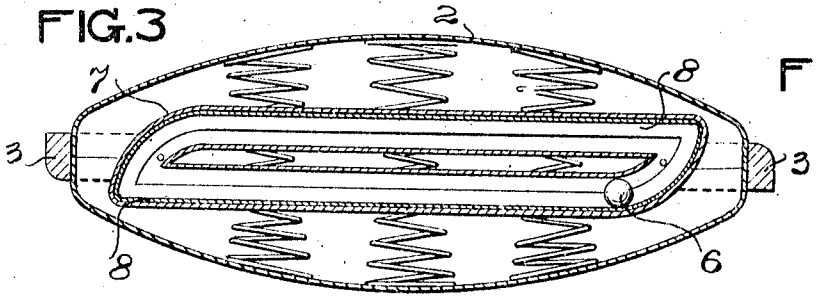


FIG. 5

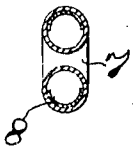


FIG. 4

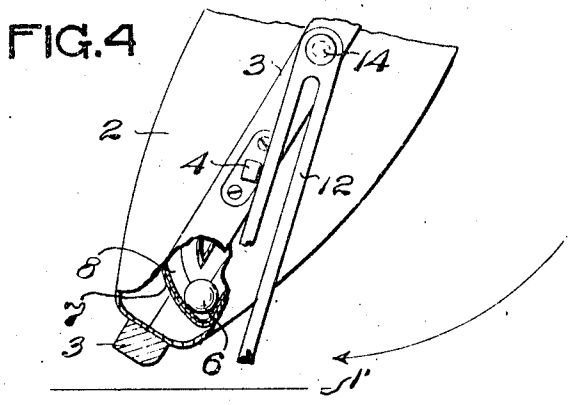
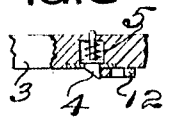


FIG. 6



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UNITED STATES PATENT OFFICE.

RUDOLF LIBENSCEK, OF ELIZABETH, PENNSYLVANIA.

REVERSIBLE SEAT FOR CHAIRS.

1,055,337. Specification of Letters Patent. Patented Mar. 11, 1913.

Application filed November 15, 1912. Serial No. 731,489.

To all whom it may concern:

Be it known that I, RUDOLF LIBENSCEK, a subject of Austria, residing at Elizabeth, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Reversible Seats for Chairs, of which improvement the following is a specification.

My invention relates in particular to the class of chairs known as barber chairs.

It is well known that the seat of barber chairs become heated from the temperature of the body of the occupants, owing to almost constant use, making it more or less uncomfortable to each succeeding occupant.

Therefore, the object of my invention is to provide such a chair with a seat adapted to overcome the above stated condition of discomfort, by applying to such chair a reversible seat and foot-power actuated means for reversing the same after use by each individual.

With the above object in view, the invention consists in certain features of construction, in certain parts, and combination of parts, as hereinafter described and particularly pointed out in the appended claims, reference being had to the accompanying drawings forming a part of this specification, said drawings representing the following views:

Figure 1 is a side elevation of a chair having my improvement applied thereto. Fig. 2, is a plan thereof, in section on the line X—X of Fig. 1. Fig. 3, is an enlarged side elevation of the seat, in section. Fig. 4, is a partial side elevation of the seat, with a portion sectioned, as it would appear after elevation and preparatory to its reverse seating on the chair. Fig. 5, is a transverse section of one of the automatic adjustable weight containers of the seat. Fig. 6, is a fragmentary section of the seat frame.

In the several views given, like detail parts of the structure, where appearing, are designated by like numerals and referred to by such in the following description.

The invention is adapted to be applied to any suitable form of chair, the one here shown being provided with a seat support in the form of a ledge 1 upon the inner opposite sides of the seat surrounding portion 1′ of the chair frame, a support of some form being necessary.

The seat comprises a suitably constructed seat 2. cushioned upon opposite sides, secured within a frame 3 and adapted to normally engage upon the said supporting ledges 1 of the chair, the two opposite sides of the frame 3 being each provided with a suitable catch 4 actuated by a spring 5. Within and at two opposite sides of the seat is arranged an automatic adjustable weight in the form of a metal ball 6, each disposed within a container casing 7 secured to the frame of the seat, said casings each including two connected parallel paths, one end of each path being curved where it enters the straight end of the other, as shown, said casing being preferably lined with a sound deadening material 8.

To each of the two opposite sides of the seat frame portion 1′ of the chair is attached a downwardly extended bracket formed of the two parts 9 and 9′, respectively, and to the lower end of the bracket proper 9 of each is pivotally connected a lever 10, the rear ends of each of said levers being connected by a cross bar 11. To the forward end of each of the levers 10 is pivotally connected a vertically disposed link 12, each of said links engaging at its slotted portion with a pin 13 projecting inwardly from the side of the seat supporting frame of the chair, the extreme upper ends of said links being connected to the seat by the pivots 14.

In practice, either the chair or the weight containers in the seat should be positioned sligthly out of a horizontal, so that the ball weights shall always be positioned at the forward end of the seat, as shown in Fig. 3, when said seat is at rest upon the chair.

To reverse the seat, the operator places one foot upon and presses downwardly upon the cross bar 11, causing the seat to be elevated, during which elevation the weights 6 overbalances the same and causes its forward end to rapidly descend, forcing the said seat to swing past a vertical position and as it swings past the vertical position the spring actuated catches 4 thereof are depressed by and during their passage of the then elevated links 12, which catches immediately after passing the links spring outwardly and prevent the seat swinging forward, said seat being held in momentary suspense as shown in Fig. 4. By releasing the pressure of the foot upon the bar 11, the seat descends, the then lower portion of the seat frame 3 engaging with the supporting ledges 1 of the chair and slides therealong until fully seated in the chair, the weights

6 rolling forward to their normal position as soon as the seat is returned to its position of rest in the chair.

Having thus shown and described my invention, what I claim and desire to secure by Letters Patent, is:

1. The combination of a chair frame, a reversible seat arranged thereon and provided with an automatically adjustable weight normally located at its forward end, and foot-power actuated mechanism extending up to and pivotally connected at opposite sides of the seat for elevating the same, said weight adapted to swing the seat past a vertical position when elevated to reverse the same.

2. The combination of a chair frame, a reversible seat arranged thereon and provided with an automatically adjustable weight normally located at the forward end, a foot-power actuated mechanism extending up to and pivotally connected at opposite sides of the seat for elevating the same, and spring catches on the frame of the adjustable seat, said weight adapted to swing the seat past a vertical position when elevated to reverse the same, and said spring catches adapted to engage the actuating mechanism to prevent a return swing of the seat.

In testimony whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

RUDOLF LIBENSCEK.

In the presence of—

STEPHEN GRACEK,

R. S. HARRISON.