

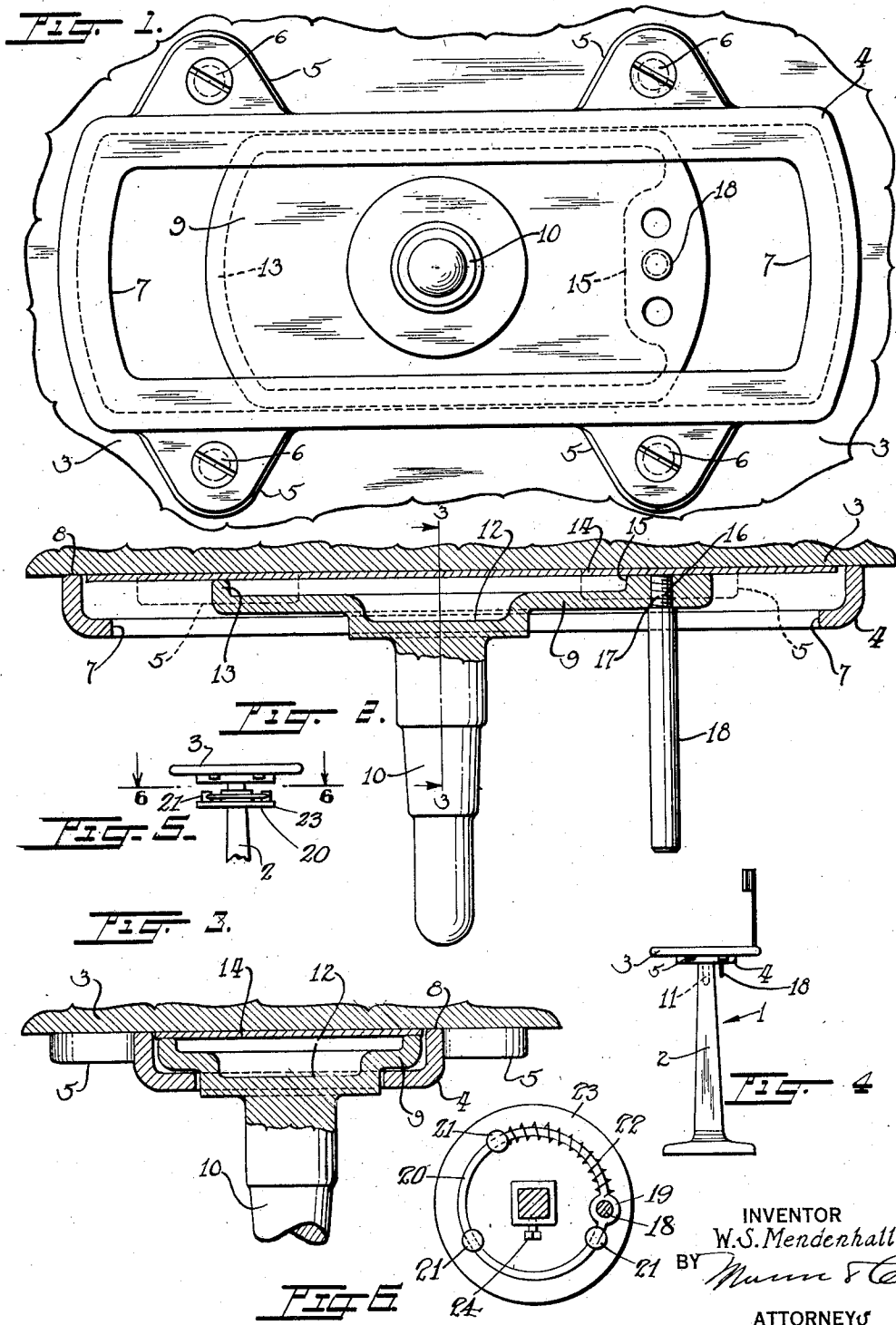
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SEAT CONSTRUCTION

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SEAT CONSTRUCTION

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My invention relates to improvements in seat constructions, and it consists in the combinations, constructions, and arrangements herein described and claimed.

5 My invention relates more particularly to improvements in the invention disclosed in my co-pending application, Serial No. 285,493, filed June 14, 1928. In the above named application, a seat is slidably connected to a swivelled block by means of a plate secured to the under face of the seat provided with L-shaped guides or flanges embracing the block. This plate and L-shaped guides or flanges are disclosed as a unitary casting.

15 An object of my invention is to provide a seat construction in which means is incorporated for permitting a seat return to be associated with my construction.

20 A further object is to provide a device of the type described which may be cast in such a manner as to require a minimum of material and to provide a maximum of strength and efficiency.

25 A further object is to provide a device of the type described which is ornamental in appearance.

30 A further object of my invention is to provide a revoluble seat which may be adjusted laterally in any direction with respect to its support or mounting, and in which the seat return may be incorporated in such a manner as not to interfere with the efficient operation of the device.

35 Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

40 My invention is illustrated in the accompanying drawings, forming part of this application, in which

Figure 1 is a face view of my invention,

45 Figure 2 is a side elevation, partly in section, of my device,

Figure 3 is a sectional view taken along the line 3—3 of Figure 2,

Figure 4 is an elevation of a seat showing the application of my invention,

50 Figure 5 is a side elevation of a seat show-

ing my invention as applied to a seat return, and

Figure 6 is a sectional view taken along the line 6—6 of Figure 5.

In carrying out my invention, I make use of a seat or stool 1 comprising a standard 2 upon which a seat 3 is revolubly mounted. A guide casing 4 having lugs 5 cast integrally therewith is secured to the seat 3 by means of screws or bolts 6. The guide casing 4 is provided with an opening 7 and flanges 8 which are disposed adjacent the seat 3 when the casing is placed in position. The guide casing 4 is substantially rectangular and elongated, as shown in Figure 2.

65 A sliding member 9 is disposed within the guide casing, see Figure 3, and is provided with an integral shank portion 10. The shank portion 10 is revolubly disposed within an opening in the standard 2, as shown at 11 in Figure 4. The sliding member 9 is recessed at 12 and is provided with a flange portion 13 for reinforcing purposes. A slide plate 14 is disposed within the guide casing 4 and between the sliding member 9 and the seat 3. The sliding plate 14 is preferably a cold rolled steel plate, the purpose of which is to provide a sliding surface for the sliding member 9.

80 A portion of the flange portion 13 associated with the sliding member 9 is enlarged as at 15 and is provided with threaded openings 16 for receiving the threaded reduced portions 17 of a pin 18. The pin 18 may or may not be provided. The pin is employed when it is desired to provide the seat or stool with a seat return, in which instance the seat return is operatively connected by any suitable means with the pin 18. In Figure 6 I have shown the end of the pin 18 as being disposed within a loop 19. The loop is preferably formed integrally with a ring 20 which is movably supported by means of projecting members 21. A spring 22 is disposed upon the ring and between the loop 18 and one of the members 21. The projecting members 21 are fixed to a supporting plate 23 which is mounted upon the standard 2 by any suitable means, such as a set screw 24, see Figures 5 and 6. In operation, the

spring 22 will tend to move the seat 3 to a predetermined position. Usually this position is such that the seat is positioned at substantially 90° with respect to the counter. When an occupant sits down at the counter, the seat is rotated against the tension of the spring, whereby the seat is positioned normally before the counter. The purpose of the seat return construction is to provide means whereby seats such as are commonly used at counters will assume a predetermined position when not occupied. In other words, the seats are automatically aligned as soon as they are unoccupied. In addition to this, the seat is positioned so that it is a relatively easy matter for an occupant to walk up to the seat, swing it slightly, and to position the seat normally with respect to the counter. The plurality of openings 16 is provided for permitting the pin to be placed in any one of the openings for attaining various degrees of adjustment in connection with the seat return.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. In Figure 4 I have shown a seat assembly incorporating my invention. In operation it will be seen that the seat 3 may be moved laterally with respect to the standard 2. The shank 10 is revolubly supported so that the seat 3 is permitted to be rotated with respect to the standard 2 and at the same time to be moved laterally with respect thereto. The steel plate 14 provides a sliding surface for the sliding member 9 and at the same time protects the seat 3.

I claim:

1. A seat construction comprising a seat, a guide casing secured to the seat and having an opening therein, a sliding member disposed within the guide casing and having a shank projecting through the opening in said guide casing, and a pin secured to said sliding member and adapted to be connected with a seat return.

2. A seat construction comprising a seat, a guide casing secured to the seat and having an opening therein, said guide casing being provided with flanges surrounding said opening and spaced from said seat, a sliding member disposed within said guide casing and having an integral shank projecting through said opening, a standard having an opening for revolubly receiving said shank, whereby the seat may be rotated with respect to the standard and moved laterally with respect to the latter, and a seat return mounted upon said standard and operatively connected with said sliding member.

Signed at Chicago, in the county of Cook and State of Illinois, this 2d day of October, A. D. 1928.

WILLIAM S. MENDENHALL.