May 14, 1929. A. S. KISER 1,712,704

WALL SEAT

Filed May 25, 1927

Fig.1

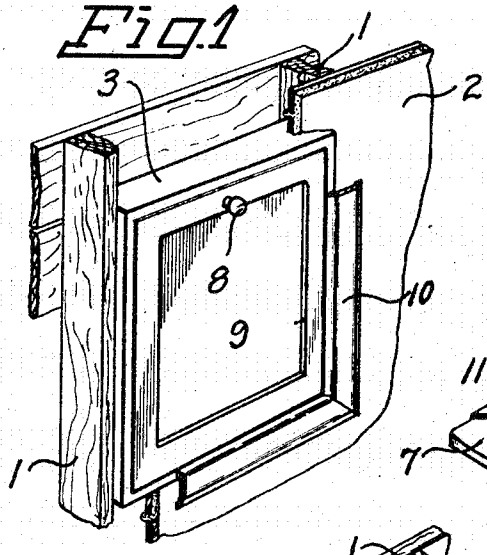


Fig.2

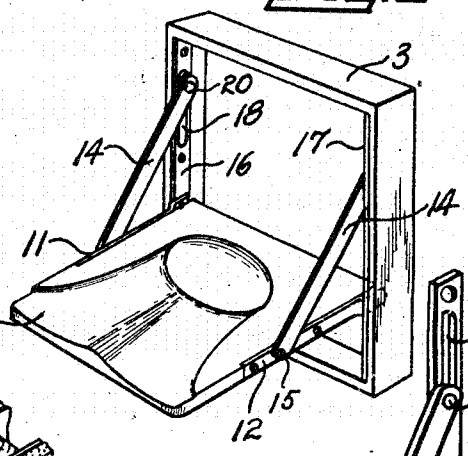
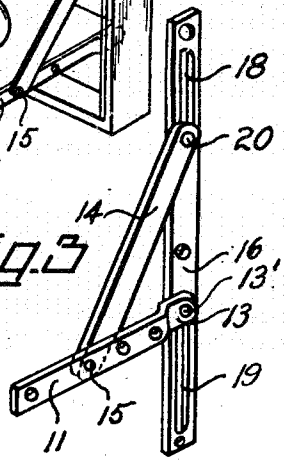


Fig.3



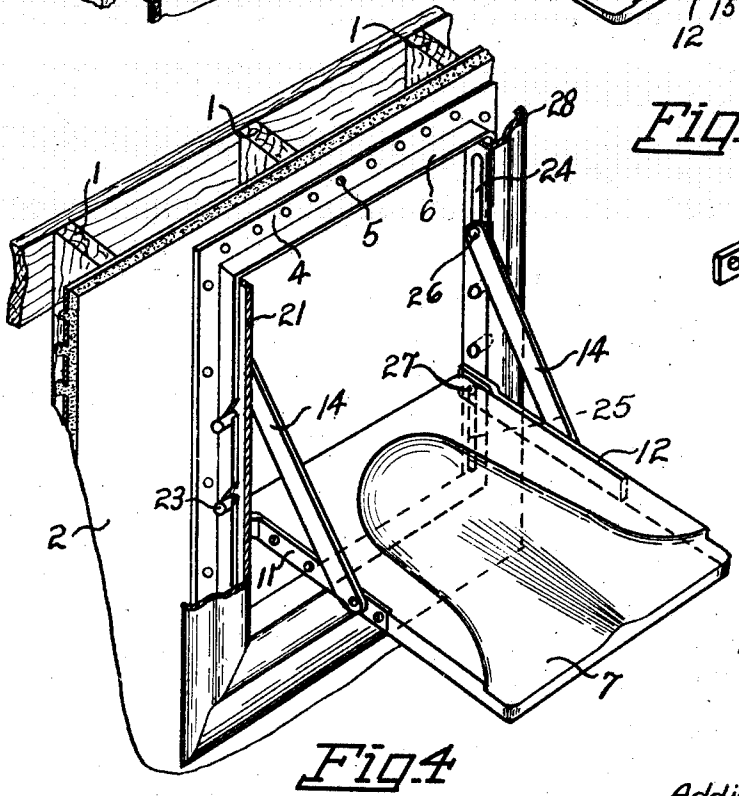


Fig.4

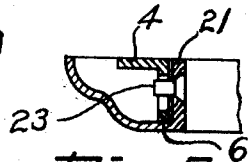


Fig.5

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UNITED STATES PATENT OFFICE.

ADDISON S. KISER, OF SPOKANE, WASHINGTON.

WALL SEAT.

Application filed May 25, 1927. Serial No. 194,118.

My present invention relates to an improved wall seat of the folding type and designed especially for use in dwellings, apartments, lunch rooms, dining rooms, kitchens, etc., where limited space makes desirable or necessary the use of this type of furniture. While I have for convenience of illustration described and shown the invention as embodied in a seat, it will be apparent that it may be adapted for other uses as a folding table, or support for various purposes.

The primary object of the invention is the provision of a foldable wall seat that may with facility be placed in position either in the wall as the wall structure is being built, or the seat may be attached to the face of the completed wall. In either case provision is made for rigidly fixing the attaching frame in order that the wall seat may be furnished a solid and substantial support, and means are provided whereby the seat when not in use may be folded compactly into position out of the way. The seat is finished in such manner that when folded and out of use its appearance will blend with the finish or decorations of the wall.

The invention consists in certain novel combinations and arrangements of parts as will hereinafter be more fully set forth.

In the accompanying drawings I have illustrated two modes of attaching or supporting the seat from the wall structure, wherein the parts are combined and arranged according to ways I have thus far devised for the practical application of the principles of my invention.

Figure 1 is a view showing the seat structure attached to and supported between a pair of studs in the wall, parts being broken away for convenience of illustration.

Figure 2 is a perspective view of the seat structure of Figure 1.

Figure 3 is a perspective view of one of the side brackets used in the structure of Figures 1 and 2.

Figure 4 is a perspective view showing the seat structure attached against the exterior face of the wall, parts being broken away for convenience of illustration.

Figure 5 is a detail sectional view through part of the seat frame and attaching frame of Figure 4 and showing one of the supporting pins.

In order that the general assembly and arrangement of parts may readily be understood I have indicated in the drawings several uprights or studs as 1 spaced apart as usual with the face of the wall indicated as 2. Two forms of attaching frames as 3 and 4 are shown in the drawings, the former being a rectangular frame of wood or metal designed to be fixed and supported at the desired or proper height above the floor in the wall, between a pair of adjoining studs. The attaching frame 4 is also of rectangular shape and fashioned from angle-iron straps, with holes 5 around the frame and spaced apart so that the nails or screws used to support the frame may pass through the face of the wall and into at least two of the studs 1 and thus rigidly support the frame on the face of the wall. The flange 6 of the angle iron attaching-frame projects laterally from the wall a suitable distance as seen in Figure 4 for receiving the seat-frame as will be described.

The seat 7 is of convenient shape, size and material and is provided with a knob or latch 8, and an exterior panel 9 to blend with the interior decorations or wall finish of the room in which the seat is used, as indicated at 10 in Figure 1.

At its sides the seat 7 is provided with edge plates 11 and 12 of metal and the rear ends 13 of these plates are offset as shown to permit facile movement of the seat as it is being folded from the horizontal positions shown in Figures 2 and 4 to the closed or vertical position in Figure 1.

A pair of side braces or arms 14 are pivoted at 15 to the two side plates or edge plates 11 and 12 which bear the weight on the seat when the latter is occupied.

In Figures 1, 2 and 3 the seat frame includes a pair of side plates 16 and 17 attached as by screws at the inner faces of the sides of the rectangular attaching frame 3, and each of these side plates is provided with a pair of spaced slots 18 and 19. The upper ends of the braces 14 are provided with pins 20 that slide in the slots 18, and the pin 13′ in the offset rear end 13 of the edge plates is adapted to slide and be guided in the slots 19. By this arrangement the knob 8 may be grasped and the seat swung down to horizontal position, and during this movement the pins 20 slide down from normal position at the top of slots 18, while the pins 13′ slide up from normal position in the slots 19, to the positions as indicated in Figure 3.

In Figures 4 and 5 the rectangular seat frame 21 fits snugly into the attaching frame 4, or rather within its flange 6, and the seat frame is secured to the attaching frame by means of two pairs of laterally extending pins 23, one pair on each side of the seat frame, that slide into a rest at the bottoms of complementary, inclined, notches, four of which are provided in the flanges 6 of the attaching frame.

The sides of the seat frame are provided with slots 24 and 25, the former for the pins 26 at the upper ends of the braces, and the latter for pins 27 fixed in the ends 13 of the edge plates.

At 28 the seat frame is provided with an integral rectangular flange or ornamental molding which covers the attaching frame and gives the proper finish to the wall structure.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

The combination with an attaching frame having a plurality of inclined notches at its opposite sides, of a seat frame having pins for co-action with said notches and provided with upper and lower pairs of slots, a seat having edge plates and pins thereon guided in the lower pair of slots, side braces pivoted to the edge plates, and pins on said side braces guided in the upper pair of slots.

In testimony whereof I affix my signature.

ADDISON S. KISER.