

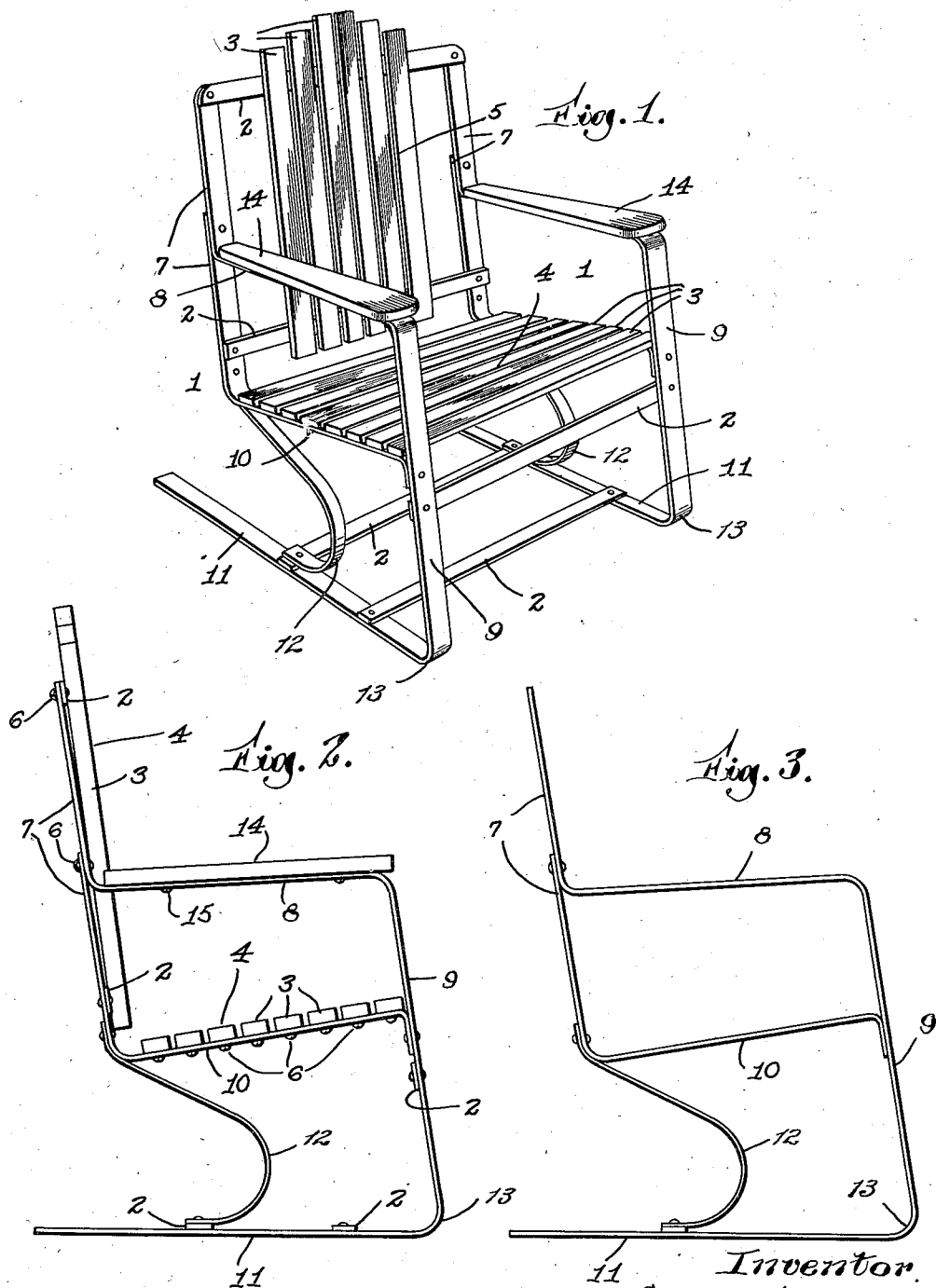
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CHAIR

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2,080,607

CHAIR

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2 Claims. (Cl. 155—50)

The invention relates to an improvement in chairs.

The object of the invention is to provide a piazza, or outdoor, chair which will have all the requirements a chair of this type should possess; to provide a chair in which the frame throughout may be made of rolled metal bars, or strips, with seat and back filling of wooden slats, but with a spring seat of easy elasticity, yieldable under the weight of the sitter, with backward inclination for imparting a maximum of comfort.

The invention can best be seen and understood by reference to the drawing in which—

Fig. 1 shows in perspective a chair embodying the invention.

Fig. 2 shows the chair in side elevation, and

Fig. 3 is a side elevation of one of the duplicate frame members which form the sides of the chair.

Referring to the drawing, the chair is built around side frames 1—1 composed of metal bars, riveted or welded together. The side frames are connected and reinforced by metal cross bars 2 which are secured to sectional parts of the side frames and riveted or welded to them. 3 are wooden slats which form the seat 4 and back 5 of the chair. The slats are preferably secured by means of screws 6 passed through the parts over which the slats are laid, as will later be explained, and entering the respective slats. The metal bars of the side frames and the connecting cross bars are preferably flat rolled bars, made of steel.

The side frames 1—1 are made alike and a description of one will suffice for the other. Each frame comprises a back section 7, an arm section 8, a front leg section 9, a seat section 10, a sill 11, and a resilient back leg section 12.

In order that the faces of the side frames may present as finished an appearance as possible, the upper part of each back section 7, or that part lying above the arm section 8, together with the arm section 8, the front leg section 9, and the sill 11, is made of a single bar bent to provide in integral sequence these various sections. The lower portion of the back section 7, or that part lying below the arm section 8, together with the seat section 10, is formed of another integral bent bar, one end of which is secured to said integral bent bar preferably at a point adjacent the rear end of the arm section, while the other end of the bar is secured to the front leg section 9. One end of the resilient back leg section is secured to said second-named integral bent bar preferably at a point adjacent the rear end of the seat section, while its other end is secured to the sill.

The resilient back leg section 12 is bowed in the direction of the front leg section.

The slats 3 which form the seat 4 of the chair are laid crosswise to extend over the seat sections 8 of the side frames and are secured to them by the fastenings, or screws 6, passed through the seat sections from the under side thereof. The slats 3 which form the back 5 of the chair are vertically arranged to extend over those of the cross bars 2 which connect the back sections of the side frames, and are secured to these sections by means of the screws 6 passed through the sections from the rear sides thereof. The metal of which the side frames are made, with the exception of the resilient back leg sections 12, is sufficiently stiff and resilient to form a stiff, though resilient bend 13 between each front leg section and the sill with which it connects, for it is desired that each side frame should yield slightly at this point. The resilient back leg section 12, however, of each side frame is essentially a spring section, the metal employed being spring metal of finer grade than the other metal of the frame. Thus resiliently supported the seat will yield to the weight of the sitter, with backward inclination, which is permitted by the flexibility at the points of the bends 13, and by the yielding support of the resilient back leg sections.

The arm sections 8 are preferably overlaid with arm rests 14, comprising wooden strips secured to the arm sections by screws 15 passed through the sections from under side and fastening into the arm rests.

I claim:

1. A chair having duplicate side frames, each comprising in combination, a metal bar bent to provide in integral sequence an upper back section, an arm section, a front leg section, and a sill; a bar connected to said first named bar and bent to provide in integral sequence a lower back section in extension of said upper back section, and a seat section; a resilient back leg section connecting with said second named bar and with said sill, said resilient back leg section being bowed in the direction of said front leg section; and means tying together said respective frames.

2. A chair having duplicate side frames each comprising in combination a metal bar bent to provide in integral sequence an upper back section, an arm section, a front leg section, and a sill; a bar connected at one end to said first-named bar adjacent the rear end of said arm section, thence extending to form a lower back section in extension of said upper back section, thence bent to form a seat section, and connecting at its other

end with said front leg section; a resilient back leg section connecting at one end with said second-named bar at a point adjacent the rear end of said seat section and at its other end with 5 said sill, said resilient back leg section being bowed in the direction of said front leg section; cross bars tying together said respective frames including some which connect the back sections of the respective side frames; means connected to the seat sections of the respective side frames to form the seat of the chair; and means connected to those of said cross bars which connect the back sections of the respective side frames 6 to form the back of the chair.

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