H. E. ERB.

CHAIR.

APPLICATION FILED JULY 8, 1912.

1,097,405.

Patented May 19, 1914.

2 SHEETS—SHEET 1.

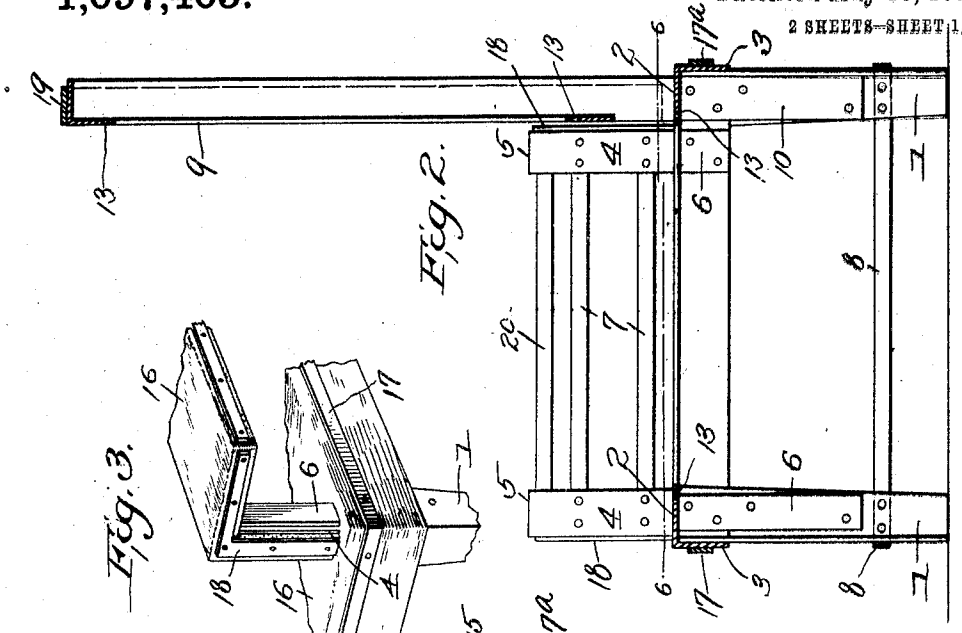


Fig. 2.

Fig. 3.

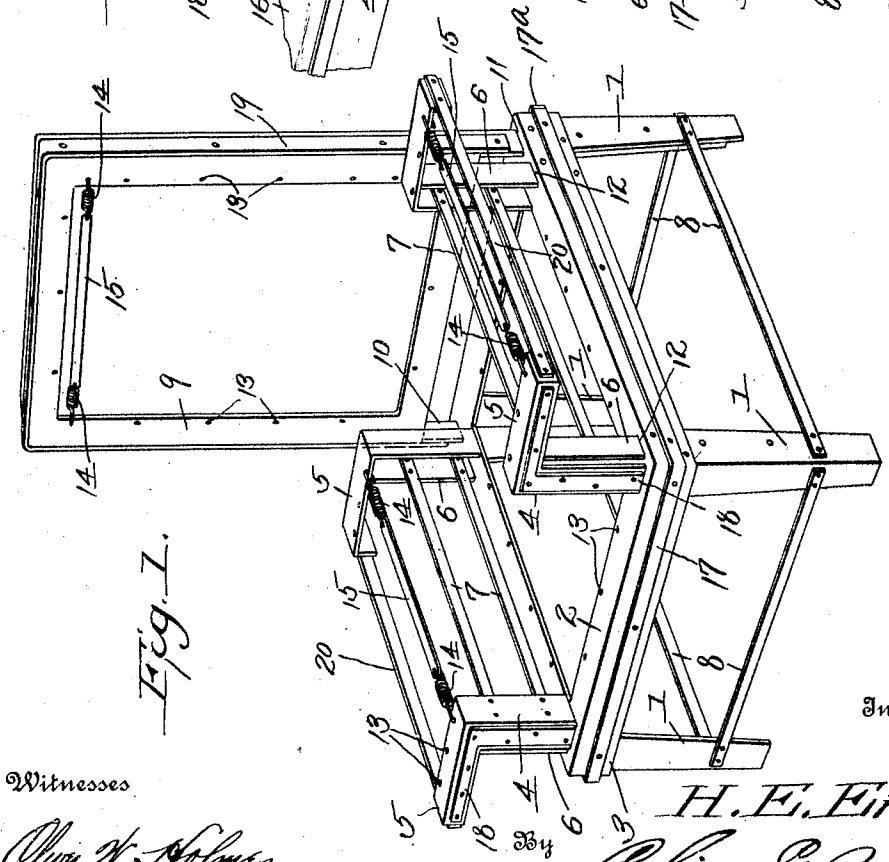


Fig. 1.

Witnesses

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2 SHEETS—SHEET 2.

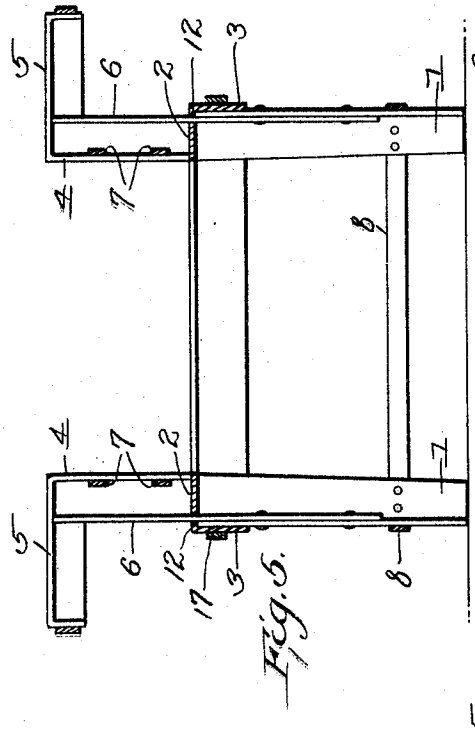


Fig. 5.

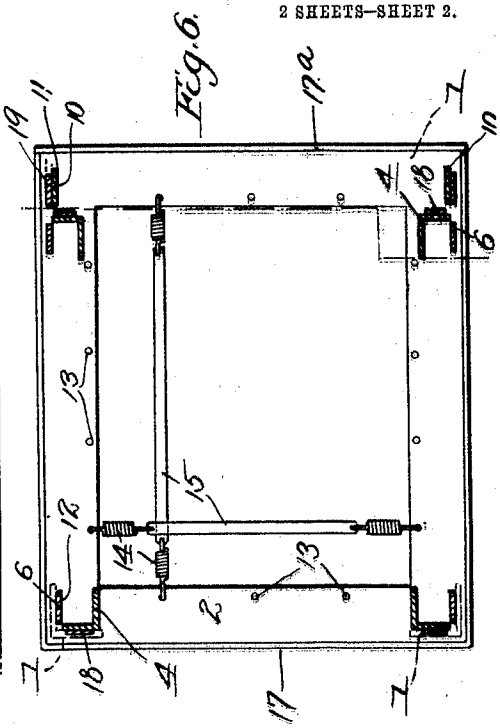


Fig. 6.

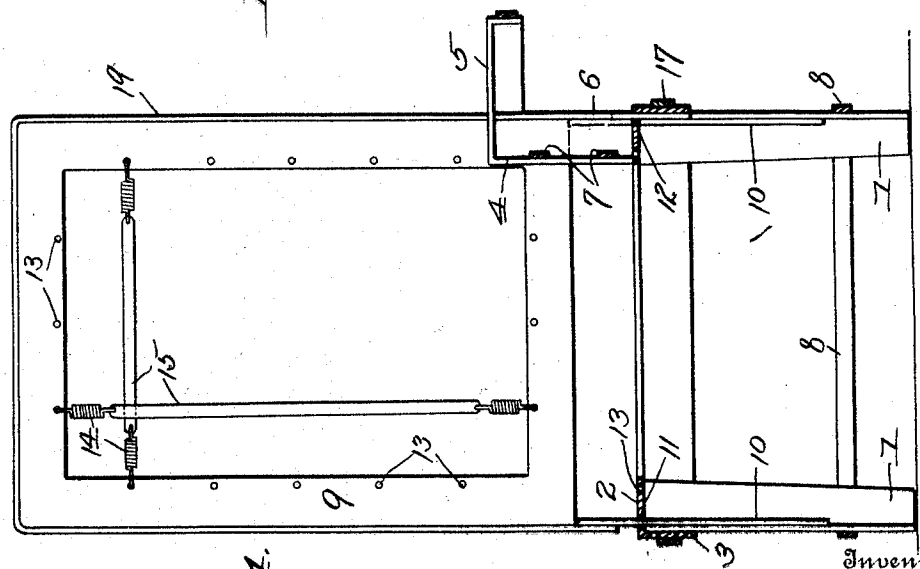


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

HARRY EDWIN ERB, OF CHICAGO, ILLINOIS.

CHAIR.

1,097,405. Specification of Letters Patent. Patented May 19, 1914.

Application filed July 8, 1913. Serial No. 708,105.

To all whom it may concern:

Be it known that I, HARRY E. ERB, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Chairs, of which the following is a specification.

This invention relates to a chair and more particularly to the chair frame, together with means for detachably holding upon said frame a suitable covering either of fabric or leather.

The invention further includes the means for constructing the seat, back and arms, and also includes the use of metal throughout the frame construction.

A further object of the invention is a chair, the frame of which is formed of a number of detachable sections so that the same can be readily taken apart or assembled.

In the accompanying drawings: Figure 1 is a perspective view illustrating the construction of the frame, the covering and certain springs being omitted. Fig. 2 is a vertical cross section from front to back. Fig. 3 is a detail perspective view of a front corner portion of the completed chair. Fig. 4 is a section on the line 4—4 of Fig. 6, back, seat and arm springs being omitted. Fig. 5 is a transverse section, seat and arm springs being omitted. Fig. 6 is a section on the line 6—6 of Fig. 2.

In constructing the frame of the chair, I employ four corner legs formed of L-shaped metal plates 1, the upper ends of which fit within the corners and are suitably secured to a rectangular metal frame 2, which frame is provided upon its outer edge with a depending flange 3, within the corners of which the upper ends of the legs 1 fit, the tops of said legs being covered by the rectangular frame 2. Upon said frame and adjacent the corners are mounted arm supports 4 formed of L-shaped metal plates, the upper end portions of which are bent laterally and horizontally as shown at 5. Each arm is completed by means of a straight metal plate 6, which extends downwardly through a suitable slot in frame 2, and the lower portion of said plate 6 is bolted or otherwise secured upon the inside of one of the legs 1, while the upper portion of said plate 6 extends upwardly into the L-shaped lateral extension 5, the top horizontal portion of said extension resting upon said plate 6. The plates 6 at the front corners are connected with the plates 6 at the rear corners by suitable brace rods 7. The legs 1 are also braced by means of suitable brace rods 8. The chair back consists also of a suitable rectangular metal frame 9 L-shaped in cross section through the back portion, but the vertical members of said frame extend downwardly below the frame in the form of two straight strips 10, which pass through suitable slots 11 at the rear corners of the chair, and are secured within the rear legs 1. Inasmuch as the strips 10 are secured to the rear legs of the chair the plates 6 of the two rear extensions 5 of the arm supports are slightly in advance of the rear legs and consequently these plates 6 pass downwardly through slots 12 and are secured upon the inner face of the depending flange 3, of the frame 2, thereby making a slight difference in the method of securing the arm supports at the rear from that employed at the front. The frame 2 of the seat, the arm supports and the back frame 9 are all provided with suitable perforations as indicated at 13 in which are adapted to be hooked the ends of coil springs 14, and said springs support thin strips 15 of spring steel. The strips upon the back and seat, I prefer to run both crosswise and lengthwise thus forming a firm spring seat and back, but between the front and rear extensions 5, the spring strips run only from front to rear, and form the arm proper.

It is of course understood that the chair frame above described is cushioned or covered or upholstered in any desired manner. Preferably the seat, arms and back will be provided with suitable pads, not shown, and said pads are of course covered with suitable fabric or leather as shown at 16. To hold these coverings in place I employ a rectangular metal strip 17 which fits around the flange 3, the retaining strip 17 being formed in two sections. The rear section 17[a] being separate from the front and side members, for convenience of placing in position. Angled retaining strips 18 are also placed upon the supporting arms 4 and an open rectangular frame 19 fits over the top and vertical sides of the back 9. The free ends of the extensions 5 are also connected

by suitable retaining strips 20 and the arm coverings are secured in place by the angled strips 18 and these strips 20.

What I claim is:—

A chair comprising supporting legs formed of angled metal pieces, a frame, the corner portions of which receive the said supporting legs, a rectangular metal back, the said frame being slotted at the rear corners and said back having integral extensions extending downwardly through said slots and adapted to be secured to the inner faces of the rear supporting legs.

HARRY EDWIN ERB.

Witnesses:
JOHN B. RYAN,
ARTHUR E. WILVERT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."