July 22, 1941. E. B. MORGAN 2,250,030

CHAIR

Filed Oct. 15, 1938 2 Sheets-Sheet 1

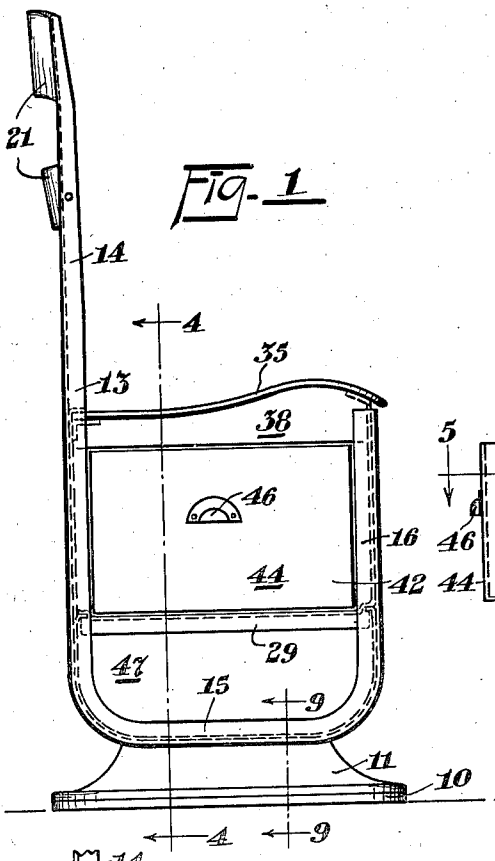


Fig. 1

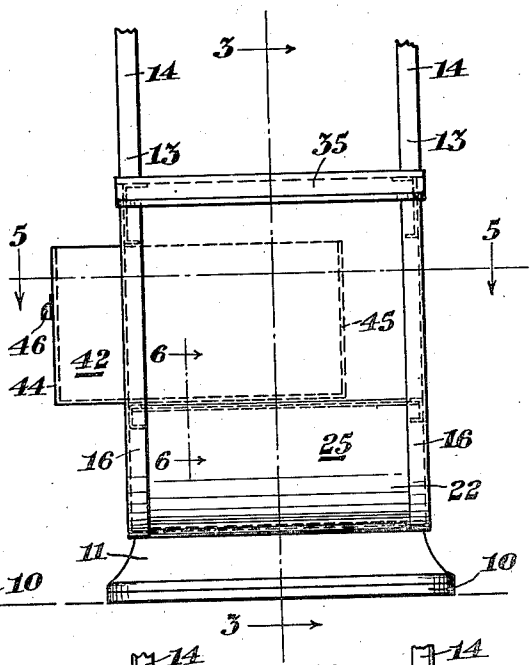


Fig. 2

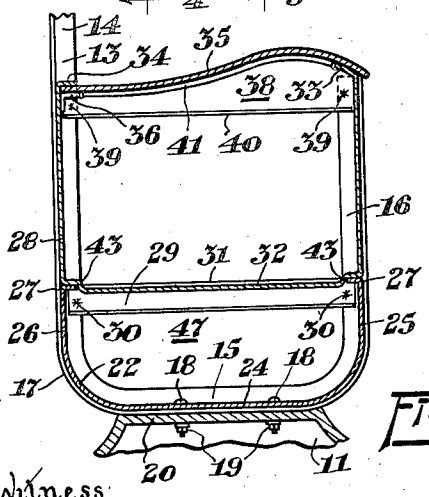


Fig. 3

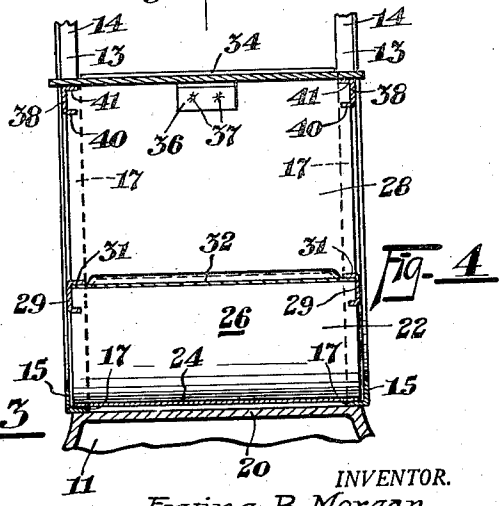


Fig. 4

Witness:
Geo. L. Chapel

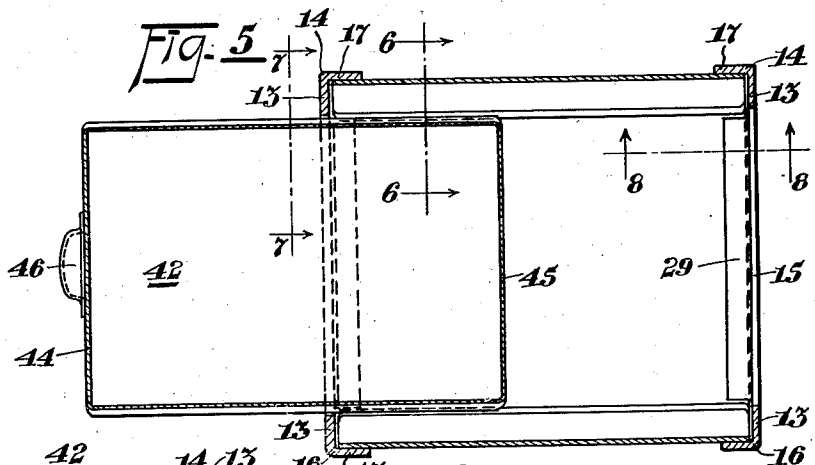
INVENTOR.
Erving B. Morgan.
BY Rice and Rice.
ATTORNEYS.

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Fig. 5



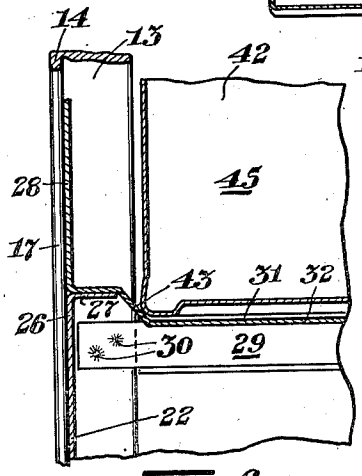


Fig. 6

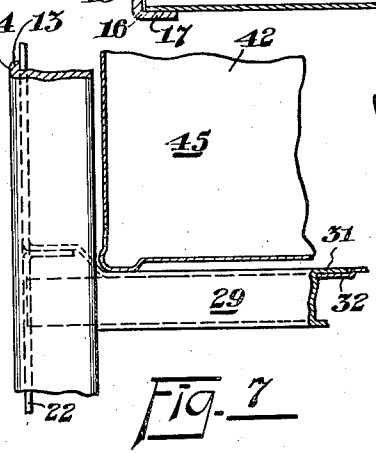


Fig. 7

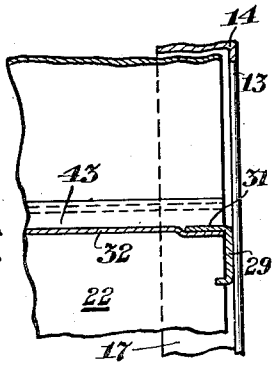


Fig. 8

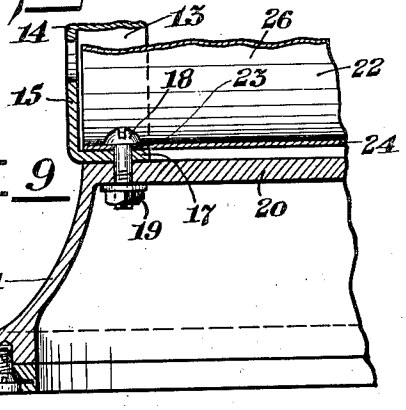


Fig. 9

Witness:
Geo. L. Chapel

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Patented July 22, 1941

2,250,030

UNITED STATES PATENT OFFICE

2,250,030

CHAIR

Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application October 15, 1938, Serial No. 235,174

1 Claim. (Cl. 155—194)

The present invention relates to chairs, and more particularly to chairs of the portable type such as are especially adapted for use in school rooms. The construction is in the nature of a modification of that shown in an application filed October 30, 1937, Serial No. 171,813, by Ralph K. Merrill and by him assigned to my assignee.

The primary objects of the invention are to provide a chair having a drawer beneath the chair seat for the reception of books or other articles; to provide such a chair sturdily constructed of a minimum of parts and consequently economical to manufacture; to provide such a chair whose drawer is conveniently accessible to an occupant of the chair; and, to provide a chair which is comfortable to its occupant and attractive in appearance.

An illustrative embodiment of the invention is shown in the accompanying drawings, wherein:

Figure 1 is a side elevational view of a chair adapted for use in school rooms or the like;

Figure 2 is a fragmentary front elevational view thereof showing the drawer therein partially withdrawn;

Figure 3 is a fragmentary sectional view thereof on line 3—3 of Figure 2;

Figure 4 is a fragmentary sectional view thereof on line 4—4 of Figure 1;

Figure 5 is a sectional view on line 5—5 of Figure 2;

Figure 6 is an enlarged sectional view on line 6—6 of Figure 5;

Figure 7 is an enlarged sectional view on line 7—7 of Figure 5;

Figure 8 is an enlarged sectional view on line 8—8 of Figure 5; and

Figure 9 is an enlarged sectional view on line 9—9 of Figure 1.

Referring then to these drawings in which like parts are designated by the same numerals in the several views, a chair especially adapted for use in school rooms comprises a rectangular base 10 and sub-base 11 secured together by screws 12 as best shown in Figure 9.

A pair of horizontally spaced parallel and oppositely disposed side frames 13 each comprises an angle bar bent to form an upstanding rear post 14, a horizontal connecting bottom portion 15 and an upstanding front post 16 of lesser height than the rear post 14. The lateral flanges 17 of these side frames extend inwardly each toward the other, and the portions of said flanges which project inwardly from the connecting bottom portions 15 are secured as by bolts 18 and nuts 19 to a horizontal top 20 of the sub-base 11. Back slats 21 are riveted or otherwise secured to, and between, the upper portions of the rear posts 14.

A sheet metal bottom member 22 is secured to the sub-base 11 and the side frames 13 by the bolts 18 which pass through apertures 23 in the medial bottom portion 24 of the bottom member 22. The marginal sides of the bottom member 22 snugly fit the lateral flanges 17 of the side frames 13, and the front and rear portions 25 and 26 respectively of the bottom member 22 extend upwardly a distance approximately equal to one third the height of the front posts 16 and have their upper marginal edges 27 flanged inwardly.

An upper cross-sectionally U-shaped sheet metal member 28 rests on the inwardly flanged upper edges 27 of the bottom member 22, and likewise snugly fits the lateral flanges 17 of the side frames 13. Side channel bars 29 secured as by spot welding 30 to the side frames 13, have upper flanges 31 which engage the depressed medial shelf portion 32 of the upper U-shaped member 28 to thus maintain this upper member 28 in assembled position.

The upper front and rear marginal widths 33 and 34 respectively of the U-shaped member 28 are likewise flanged inwardly and a sheet metal seat 35 rests at its forward edge on the flanged front marginal width 33. The rearward edge of the seat 35 engages under the flanged rear marginal width 34 of the U-shaped member 28, and a bracket 36 secured as by spot welding 37 to the member 28, supports the rearward edge of the seat in contact with the flange 34.

Upper side rails 38 secured as by spot welding 39 to the front posts 16 and the rear posts 15 of the side frames 13, are provided with inwardly extending bottom flanges 40 for rigidity and inwardly extending top flanges 41 whose curvature conforms to that of the seat 35 and which support the seat 35 at its opposite side margins.

For further rigidity, the parts of chair structure may if desired be spot welded at other points than those already described and shown in the drawings. For instance, the marginal side edges of the bottom member 22 and the U-shaped member 28 may be spot welded to the lateral flanges 17 of the side frames.

The depressed medial shelf portion 32 of the upper U-shaped member 28 and the sloping portions 43 of said shelf portion 32 form a channel in which is slidably disposed a drawer 42. It will be seen that in the closed position of the drawer

42, the same is obscured from view except for the drawer front 44 and the drawer back 45, which elements present a flush appearance with the opposite side frames 13 of the chair. A handle 46 is provided on the drawer front 44 for convenience in opening the drawer.

The space 47 beneath the drawer 42 is open at both sides of the chair and may be utilized for additional storage if so desired.

It will thus be seen that the chair herein shown and described is simple and rugged in construction and comprises but few parts which may be economically fashioned as by stamping, and that the chair presents a comfortable and attractive appearance and includes convenient and readily accessible storage space therein.

While but one specific embodiment of the invention has been herein shown and described, it will be understood that certain details of the construction shown may be altered or omitted without departing from the spirit of this invention as the same is defined by the following claim.

I claim:

In a chair structure of the class described, a pair of horizontally spaced parallelly disposed side frames each comprising a bar bent to form upstanding front and rear posts and a connecting bottom portion, a bottom member disposed between and secured to said side frames and having upstanding front and rear portions provided with inwardly extending flanges at the upper ends thereof, a cross-sectionally U-shaped member disposed between said side frames and having upstanding front and rear portions and a medial shelf portion seated on the inwardly extending flanges on said bottom member, a chair seat supported by the front and rear portions of said U-shaped member, and a drawer slidably disposed on the medial shelf portion of said U-shaped member.

ERVING B. MORGAN.