March 19, 1929. W. C. JACKSON 1,706,233

STUDENT'S CHAIR

Filed Sept. 8, 1927 2 Sheets-Sheet

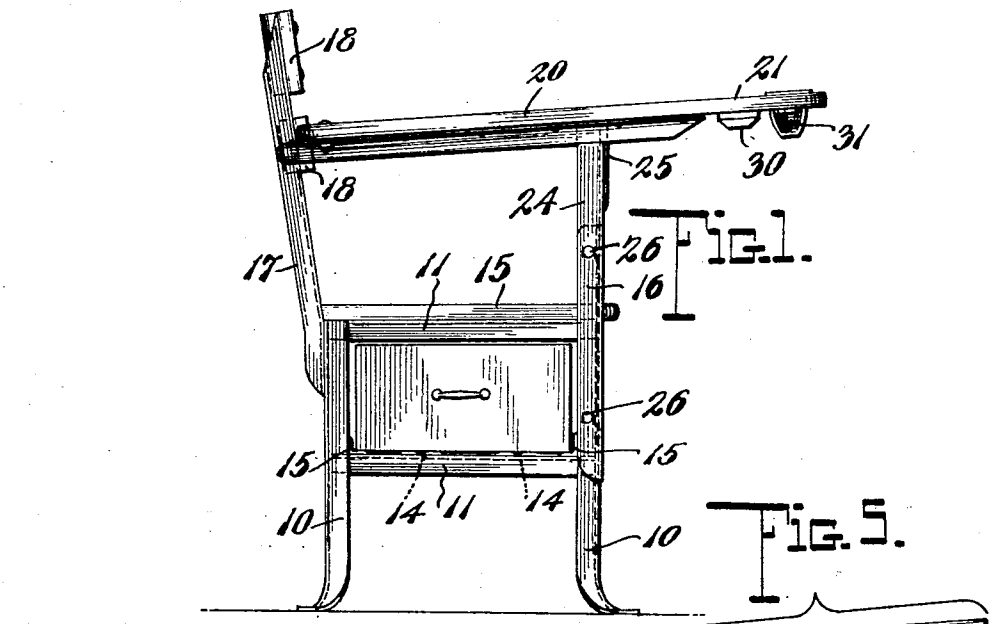


Fig. 1.

Fig. 5.

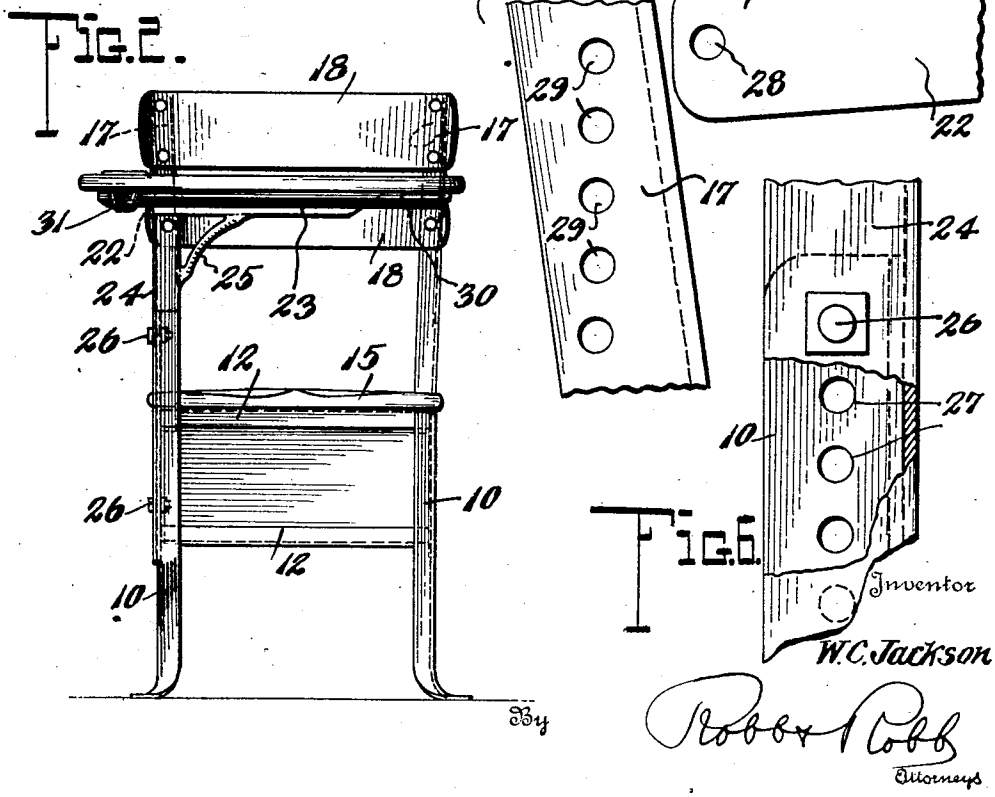


Fig. 6.

Fig. 2.

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Fig. 3.

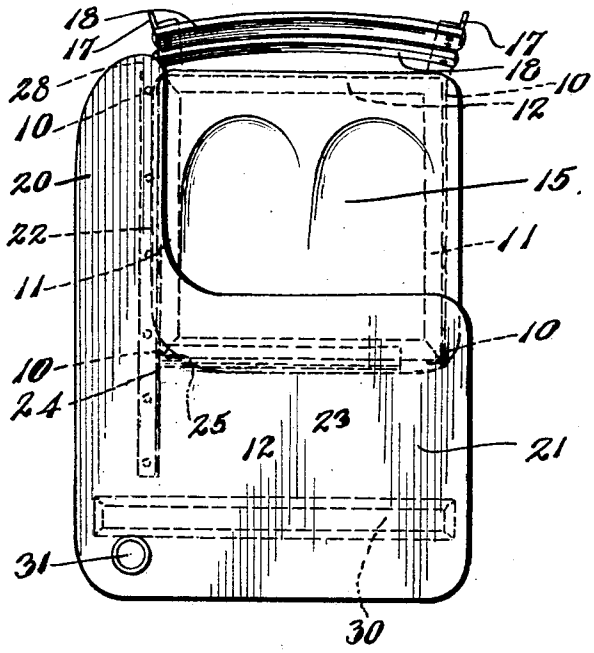
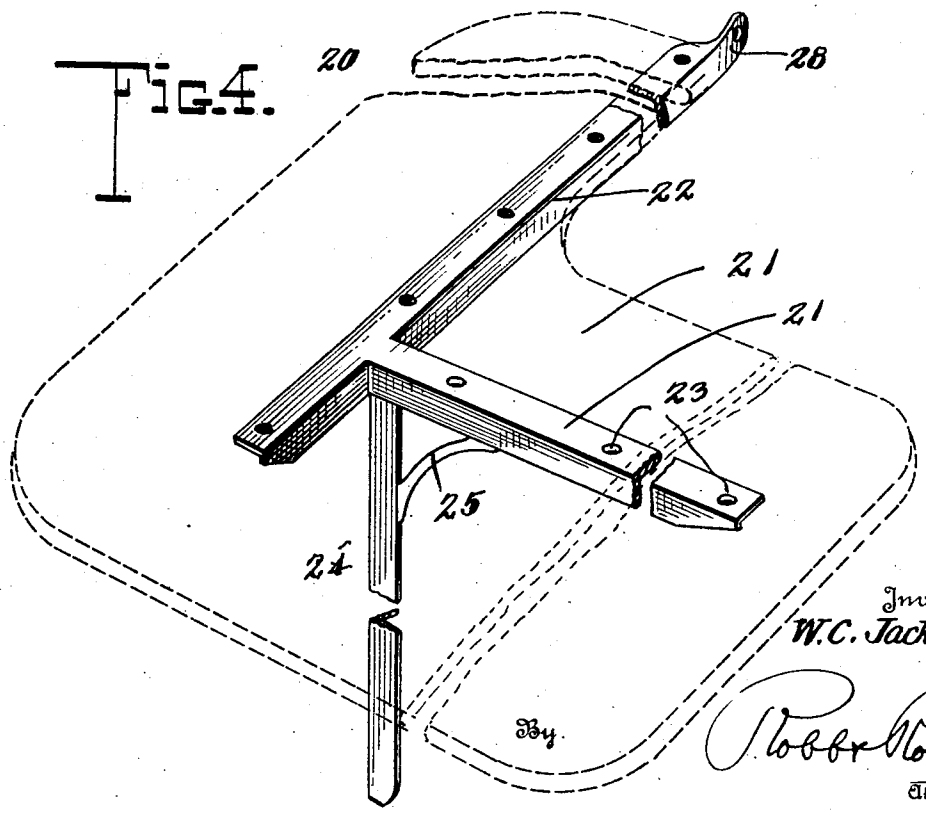


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM C. JACKSON, OF TEMPLE, TEXAS.

STUDENT'S CHAIR.

Application filed September 8, 1927. Serial No. 218,150.

This invention relates to a student's chair, and particularly to a construction for supporting and bracing an arm rest and desk used in cooperation therewith.

In furniture of this character, particularly where the desk extends across the front of the chair, the desk member is often subject to rough usage and pressure thereon either by the person occupying the chair or by weight applied thereto such as in the instance of a person sitting upon the desk portion which causes the same to break and to be loosened from its support on the chair. The desk when so loosened is particularly inconvenient for writing and frequently rattled by a student which causes objectionable noise.

It has been found especially difficult to provide a firm arm rest and desk when these are mounted upon the chair for vertical adjustment which is the most desirable form for student's use as the projection of the desk laterally of the arm rest provides a point of leverage tending to loosen the attaching devices. It is also important to avoid the use of slotted parts for the adjustment of the desk and rest as the weight applied to these parts causes a slippage unless the securing bolts be tightened to such a degree as to render their removal difficult when effecting an adjustment of the parts.

To avoid these objections I provide an improved construction of support having one section extending in a horizontal plane longitudinally of the arm rest and a transverse section affixed thereto and extending beneath the desk, together with a vertical standard depending from the section beneath the rest for the purpose of attachment of the unit to a chair. The rear end and vertical standard of this support are adjustably connected to the chair back and a post from one front leg respectively. The adjustment of this connection is effected at the front by a series of holes through one of the chair legs, and these holes are concealed by an angle iron standard so that only the head of the securing bolt is visible in the completed chair, while the rear adjustment of the support is effected by holes in one back frame of the chair disposed in a plane substantially parallel to the holes in the front leg, each series of holes being adapted to receive a bolt carried by the arm and desk support.

The invention has for an object to provide a novel and improved construction of student's chair having a front post and back frame with an arm rest having a laterally extending desk, and a support extending longitudinally of said rest and transversely of the desk, said support being provided with means for connection to the front leg and a back frame of the chair.

A further object of the invention is to provide an arm and desk support comprising an angle iron extending longitudinally of the arm rest and having a transverse section extending beneath the desk, such support being provided with a vertical angle standard adapted to partially embrace one front leg or post of the chair.

Another object of the invention is to provide a supporting unit for an arm rest and desk comprising a member extending longitudinally of the rest, and a fixed lateral member extending beneath the desk and a vertical member for attachment to the chair, said members being connected to form a substantially integral structure.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

In the accompanying drawings:

Figure 1 is a side elevation;

Figure 2 is a front elevation;

Figure 3 is a top plan;

Figure 4 is a detail perspective of the rest and desk support;

Figure 5 is a detail elevation of the adjustable connection at the back; and

Figure 6 is a similar view with parts broken away of the support connection at the front.

Like reference numerals designate corresponding parts throughout the several figures of the drawing.

The arm rest and desk is adapted for application to various constructions of chairs although particularly designed for use in connection with a chair formed of angle irons and welded to secure the utmost rigidity while avoiding the use of attaching devices such as bolts which are liable to become loose permitting movement in the parts of the chair.

In the form of the chair herein shown, the leg or post members 10 are formed of L-shaped irons which are connected together at each side by brace members 11 welded

thereto and at the front and rear by similar cross braces 12 likewise having a welded connection. This produces a practically integral chair body having the utmost rigidity while the several brace members may be used to support a shelf or drawer. For this purpose one flange 13 of the lower braces 12 is turned inwardly to form a track or way while the side braces may be connected if desired by strips 14. This base supports a suitable seat 15 and one of the front posts or legs is provided with a vertical upward extension 16. The back of the chair is formed by opposite frame members 17 welded at their lower ends to the opposite rear legs and connected at their upper portions by back members 18, one or more of which may be used.

Cooperating with this construction of chair I have provided a combined arm rest and desk, with the desk portion extending substantially across the front of the chair permitting access thereto from one side. This construction comprises an elongated arm rest 20 which is merged at its front end into a relatively wide desk portion 21. The provision of this desk portion produces by its weight and pressure thereon a point of leverage liable to loosen the connection thereof with the chair and requiring a rigid support for such connection. This is provided by means of an L-shaped angle iron 22 which extends longitudinally of the rest portion 20 and has a transversely extending portion 23 beneath the desk, these portions being rigidly connected together either by welding or as an integral part. The transverse extension 23 may be located intermediate of the rest support 22 and at the junction of these members a vertically disposed angle standard 24 is rigidly affixed. If desired, a brace 25 may extend between the standard and the transverse support 23.

The vertical standard is provided with one or more apertures adapted to receive securing bolts or similar devices as indicated at 26, while the post or leg 10 is formed with a series of adjusting holes 27 as shown in Figure 6. By this construction the series of adjusting holes are concealed by the angle of the standard so that only the attaching bolt 26 is visible and when used in connection with the extension 16 of the front post or leg two attaching devices 26 are used so as to brace the standard against any oscillatory movement. The rear end of the support 22 for the arm rest is formed with an apertured lug 28 which cooperates with the adjusting apertures 29 formed in one of the back frames 17, these apertures being disposed in substantially the same vertical plane as the apertures 27 in the front leg. This provides for a vertical adjustment without changing the inclination of the rest and desk. This desk portion may be provided with the usual batten 30 and an inkwell 31, as indicated in Figure 1.

The invention provides a simple, efficient and economically manufactured construction of support for the arm rest and desk which will sustain any pressure applied thereto in use and in practical demonstration it has been found that the desk portion will sustain the weight of an ordinary person without affecting its connections with the chair. The support comprises a unit capable of application to different forms of chair and providing a rigid support longitudinally of the arm rest and transversely of the desk which prevents splitting or breakage of these members when weight is applied thereto.

While the specific details of construction have been shown and described, the invention is not confined thereto as changes and alterations may be made without departing from the spirit thereof as defined by the appended claims.

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

1. A student's chair including a front post and a back frame, an arm rest formed with a laterally extending desk, and a support unit extending longitudinally of said rest and transversely of the desk and including an attachment post for connection of the unit to the front post of the chair.

2. A student's chair including a front post and a back frame, an arm rest formed with a laterally extending desk, and a support unit extending longitudinally of said rest and transversely of the desk and having a vertical standard adapted to be secured to the front post, and a connection at the inner end of the support for attachment to the back frame.

3. A student's chair including a front post and a back frame, an arm rest formed with a laterally extending desk, a support extending longitudinally of said rest and transversely of the desk, a vertical standard embracing and secured to the front post, a connection between the inner end of the support and the back frame, said front post being provided with a series of adjusting apertures concealed by said standard, and a securing device carried by said standard to cooperate with said apertures.

4. A student's chair including a front post having a series of adjusting apertures and a back frame provided with corresponding apertures, an arm rest formed with a laterally extending desk, a support extending longitudinally of the rest and adjustably connected to one of the apertures in the back frame, a transverse desk support affixed to the support beneath the rest, a vertical standard depending from said supports and formed of angle iron to embrace

the front post, and a securing device carried by said standard and cooperating with one of the apertures in the front post.

5. An arm rest and desk support unit having one member extending longitudinally of the arm rest, an affixed lateral member extending beneath the desk, and a vertical chair attachment post connected with the first mentioned and lateral members for attachment to a chair.

6. An arm rest and desk support unit having one member extending longitudinally of the arm rest and formed with an attaching lug at its inner end, an affixed lateral member extending from the rest support intermediate of its ends to brace the desk portion, and an angle vertical member connected with the first mentioned and lateral members and provided with an attaching aperture and adapted to embrace a front post of the chair.

7. A chair having its leg members formed of angle iron, one of which members extends vertically above the others, transverse angle iron braces at the sides and back and front of the chair welded to said leg members, a seat supported by the leg members, back frames extended from the rear legs, and an angular arm rest and desk support connected at the rear to one of the back frames and provided at the front with a member extending beneath the desk and a vertical standard connected thereto and to the extended leg member.

In testimony whereof I affix my signature.

WILLIAM C. JACKSON.