R. H. SOPER.

CHAIR.

APPLICATION FILED SEPT. 12, 1914.

1,217,231.

Patented Feb. 27, 1917.

2 SHEETS—SHEET 1.

Fig. 2.

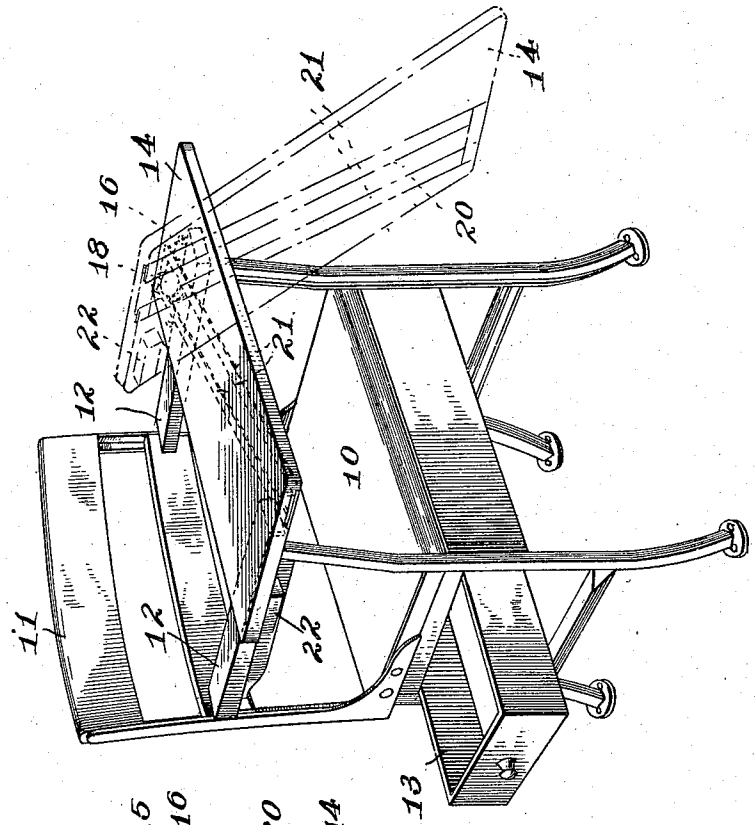
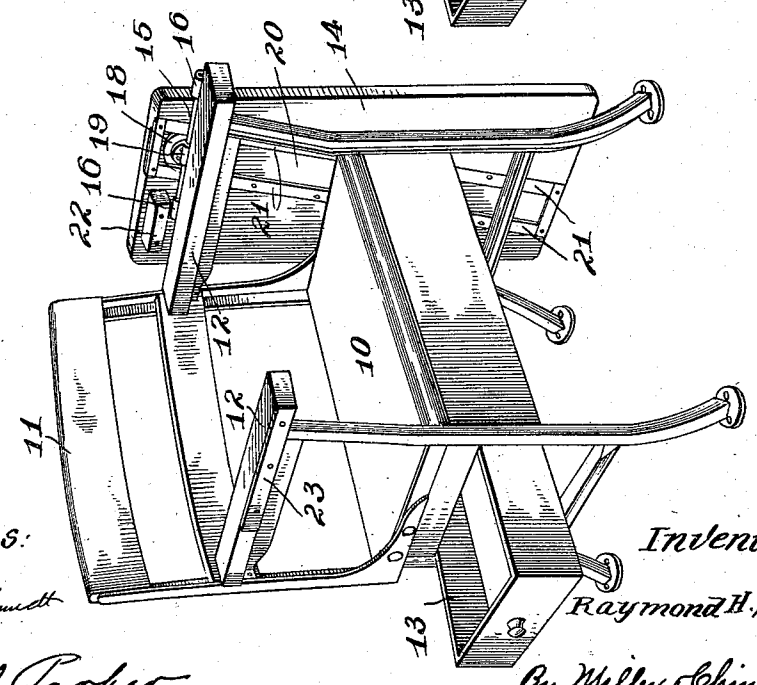


Fig. 1.



Witnesses:

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2 SHEETS—SHEET 2.

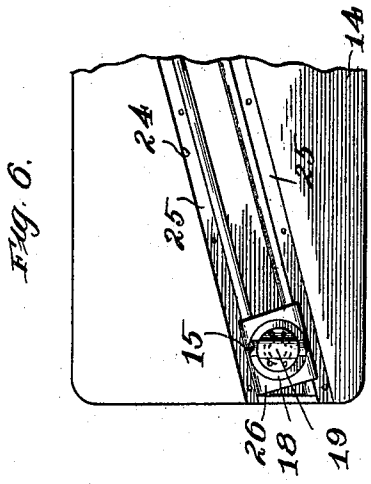


Fig. 6.

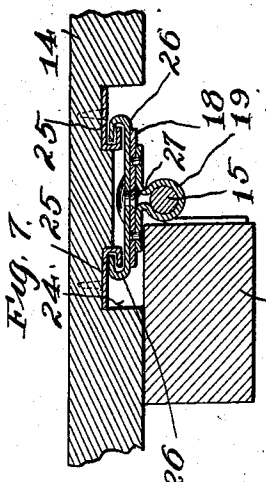


Fig. 7.

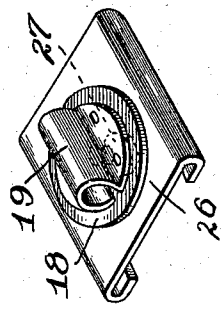


Fig. 8.

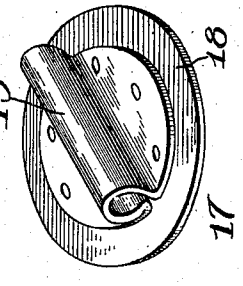


Fig. 5.

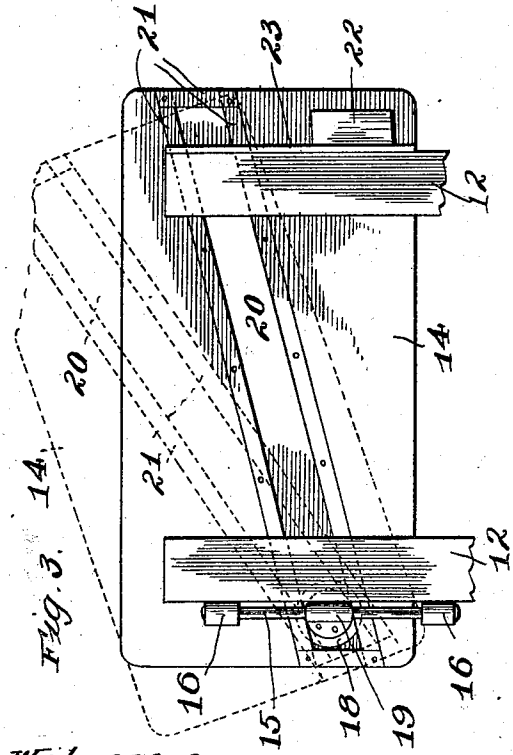


Fig. 3.

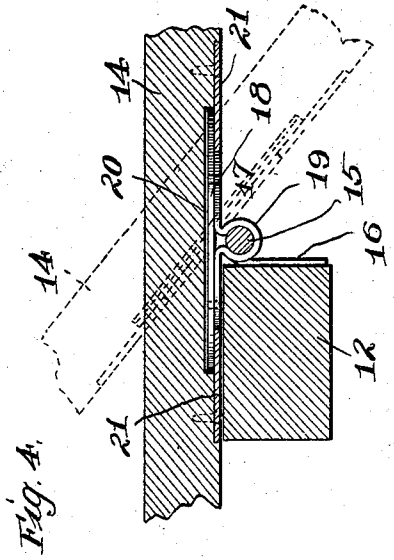


Fig. 4.

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UNITED STATES PATENT OFFICE.

RAYMOND H. SOPER, OF MUSKEGON, MICHIGAN, ASSIGNOR TO SUPERIOR SEATING COMPANY, OF MUSKEGON, MICHIGAN, A CORPORATION OF MICHIGAN.

CHAIR.

1,217,231. Specification of Letters Patent. Patented Feb. 27, 1917.

Application filed September 12, 1914. Serial No. 861,333.

To all whom it may concern:

Be it known that I, RAYMOND H. SOPER, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented certain new and useful Improvements in Chairs, of which the following is a specification.

This invention relates to a chair provided with arms and a table adapted to be supported by said arms. Such a chair may be used for various purposes, the present embodiment being designed more especially for use as a study chair, the table affording a support for books, papers, etc.

The object of the invention is to provide an improved means for connecting the table to the chair in a manner affording free movement of the table into different positions to suit the wish of the user and also permitting the table to occupy an inoperative position alongside the chair, where the table is out of the way and takes up a minimum amount of space.

In the accompanying drawings, Figures 1 and 2 are perspective views of a chair embodying the features of my invention, the table being shown in different positions in these views. Fig. 3 is an underside view of the table showing its manner of attachment to the chair arm. Fig. 4 is a vertical sectional view through the table, chair arm and attaching means. Fig. 5 is a perspective view of one element of the attaching means. Figs. 6, 7 and 8 are views similar to Figs. 3, 4 and 5, illustrating an alternative embodiment of the invention.

The body of the chair may be of any common or preferred construction, that herein shown comprising a seat 10, back 11, and arms 12. If desired, one or more drawers 13 may be mounted beneath the seat for the reception of books, papers, pencils or other material.

The table 14 is adapted to rest upon the arms 12 and is connected to one of said arms by means embodying my invention. I will herein describe in detail this means in the forms illustrated in the drawings, without any intention, however, of limiting the invention to the structure disclosed, except as specified in the appended claims.

A rod 15 has its ends mounted in supporting brackets 16 which are fixed to the outer edge of one arm of the chair, in this instance the left arm. On the rod 15 is mounted a member 17 which has a slidable and rotatable connection with the table 14. This member 17 comprises a circular disk 18 having fixed to its underside a sleeve 19 which surrounds the rod 15. The table 14 has a diagonally extending groove 20 in its lower face, and at the edges of this groove are secured metallic plates 21 which provide guideways to receive opposite edges of the disk 18.

A block 22 may be fixed to the lower face of the table at one end thereof in position to lie along the outer side of the right arm of the chair when the table is in a horizontal position. 23 indicates a metallic wear plate against which said block abuts. This block affords a hand-hold which may be used in raising the table from the inoperative position shown in Fig. 1 to its horizontal position.

In the position shown in Fig. 1 the disk 18 lies in a vertical plane and at one end of the groove 20 in the table. When the table is raised, the disk 18 slides along the groove therein and owing to the diagonal position of the groove the table will be caused to move forwardly as it is pulled up. Correspondingly the diagonal position of the groove causes the table to move rearwardly edgewise as it is being placed in its inoperative position, so that it will be out of the way and will occupy a minimum space. When in this position the table lies in a vertical plane close to the side of the chair. In moving from this position to a horizontal position the sleeve 19 turns about the rod 15 as an axis.

By reason of the fact that the disk 18 is circular, the table may be swung edgewise with the disk as an axis. The table may thus be placed in any desired position in a horizontal plane, being capable of a complete horizontal revolution about the disk 18. It is not necessary that the table be supported at one end upon the right arm of the chair, but it may be supported wholly upon the left arm, and, if desired, may be placed in position extending lengthwise from front to rear of the chair on the left arm. The sleeve 19 may be adjusted along the rod 15 so that the table as a whole may be located at different distances from the back of the chair to suit the wish of the user.

In the alternative embodiment illustrated in Figs. 6, 7 and 8, the diagonal groove 24

is made deeper than the groove 20 and the plates 25 are provided with out-turned edges forming guideways to receive in-turned edges on a plate 26. This latter plate is centrally pivoted to the disk 18 by a suitable pivot-stud 27. The operation of this construction is the same as that hereinbefore described.

It will be seen that the mounting for the table permits of a sliding movement, a swinging movement about the rod 15 as an axis, and a pivotal edgewise movement about the disk 18 as an axis.

I claim as my invention:

1. The combination of a chair having two arms, a rod extending longitudinally of one of said arms and at the outer side of said arm, a table having a guideway in its lower side, a device slidable in said guideway and rotatable with reference to the table, said device being mounted to slide along said rod and to turn on said rod, said table being adapted to rest upon both of said arms and to slide back and forth upon said arms and to turn while lying upon said arms, said guideway being diagonal so as to extend nearer the front edge of the table at one end of the table than at the other end, and a stop member on the first mentioned end of the table adapted to slidably engage one side of the arm opposite to the arm that is provided with the rod.

2. The combination of a chair, a table having diagonally positioned guide means thereon, and means pivotally mounted on the chair and slidably engaging said diagonal guide means, the latter causing the table to move edgewise forward and back in its sliding movement.

3. The combination of a chair having arms, a table adapted to be supported by said arms, a rod mounted on one of said arms longitudinally thereof, a sleeve slidably mounted on said rod, elongated guide means on the lower side of said table, and means attached to said sleeve and slidably engaging said guide means, said table being slidable back and forth on both of said arms.

4. The combination of a chair having two arms, a rod extending longitudinally of one of said arms and at the outer side of said arm, a table having an elongated guide upon its lower side, a device slidable along said guide and rotatable with reference to the table, said device being mounted to slide along said rod and to turn on said rod, said table being adapted to rest upon both of said arms and to slide back and forth upon said arms, and a stop member on the table adapted to slidably engage one side of the arm opposite to the arm that is provided with the rod.

5. The combination of a chair having two arms, a rod extending longitudinally of one of said arms and at the outer side of said arm, a table having an elongated guide upon its lower side, a device slidable along said guide and rotatable with reference to the table, said device being mounted to slide along said rod and to turn on said rod, said table being adapted to rest upon both of said arms and to slide back and forth upon said arms and to turn while lying upon said arms, said guide being diagonal so as to extend nearer the front edge of the table at one end of the table than at the other end.

6. The combination of a chair having two arms, a guide extending longitudinally of one of said arms, a table having an elongated guide upon its lower side, a device slidable along the second guide and rotatable with reference to the table, said device being mounted to slide along the first guide and to turn on said first guide, said table being adapted to rest upon both of said arms and to slide back and forth upon said arms, said second guide being diagonal so as to extend nearer the front edge of the table at one end of the table than at the other end.

In testimony whereof, I hereunto set my hand in the presence of two witnesses.

RAYMOND H. SOPER.

In the presence of—
W. E. JOHNSON,
FRANK M. GRISWOLD.

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