

UNITED STATES PATENT OFFICE

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DESK STRUCTURE

Edgar H. Sheldon, Muskegon, Mich., assignor to
E. H. Sheldon & Company, Muskegon, Mich., a
corporation of Michigan

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3 Claims. (Cl. 155—81)

The present invention relates to desk structures; and its object is to provide an improved structure of that character in which the desk top is supported in the rear by upright legs situated at the corners, and in the front by the legs of chairs which are swingable to and from positions of use toward and away from the desk top.

This object is attained by, and the invention finds preferable embodiment in, the structure hereinafter particularly described in the body of this specification and illustrated by the accompanying drawing, in which:

Figure 1 is a view in perspective of the entire structure;

Figure 2 is a fragmentary elevational view of the pintle connection of the chair supporting arm;

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

Figure 4 is a view of one of the front, or chair legs of the structure, certain portions being broken away;

Figure 5 is an enlarged fragmentary sectional view taken on line 5—5 of Figure 4; and

Figure 6 is a front elevational view of a modification of the structure, with portions broken away.

Referring to the drawing, in which is shown a desk structure especially adapted for use in schools and designed for use by two persons, the top member 1 of the structure is supported in the rear by the upright supporting members 2 and 3 disposed at its opposite rear corners, and in the front by a centrally disposed supporting member 4. These supporting members 2, 3, and 4, may be secured to the floor so that the desk proper is stationary.

Brackets 5, 5 each having angularly disposed flanges 6, 6 are secured as by screws 7 passing through holes in the flanges to the front corners of the supporting member 4. Each of these brackets has outwardly extending upper and lower lugs 8, 8 through which passes a vertical pintle 9. This pintle also passes through bearings in the lugs 10, 10 of a horizontally swingable yoke arm 11. Near the outer end of this arm is an axially vertical bearing 12 in which turns the vertical pintle 13 of a seat-mounting member 14 secured to the under side of a seat 15. Each seat is thus permitted to revolve about the vertical axis of a pintle 13, and together with its supporting arm 11 is horizontally swingable about the vertical axis of a pintle 9.

To the outer end of each of the arms 11, 11 is

secured a downwardly-outwardly extending supporting member or leg 16, carrying at its lower extremity a wheel 17, partially within the cavity 18, on a spindle 19 which is secured to the leg 16 at opposite sides of the cavity. These wheels are preferably rubber tired, and are adapted to roll along the floor in an arc of a circle described about the point at which the projected vertical axis of the pintle 9 meets the floor. It will be readily seen that the front supporting member 4, the horizontal arms 11, and the legs 16 are so arranged as to provide a substantial support for the chairs and also for the front of the desk top 1.

In many cases it is not desirable to secure such a structure to the floor. In these cases, the contact with the floor by the central front supporting member functions as a pivot about which point a levering action might often be caused by the occupant of one chair, the other end of the desk being thus moved, disturbing the occupant of the other chair. To overcome this nuisance, the central front supporting member is shortened as indicated in the modification shown in Figure 6, the member 4' thus serving as a depending bracket support which does not extend to the floor.

The invention being intended to be pointed out in the claims, is not to be limited to or by details of construction of the particular embodiment thereof illustrated by the drawing or hereinbefore described.

I claim:

1. A desk structure comprising: A top member having upright rear supporting members adjacent the ends of the rear edge of said top member and a single upright supporting member located intermediate the ends of the front edge of said top member; horizontally swingable arms pivotally connected to said single supporting member to swing toward each end of the table top and respectively having downwardly extending supporting members secured to the outer ends thereof; wheels secured to the lower ends of said downwardly extending supporting members; and chairs mounted on said arms respectively.

2. A desk structure comprising a top member having upright rear supporting members adjacent the ends of the rear edge of said top member and a single upright supporting member located intermediate the ends of the front edge of said top member and having angularly disposed sides; brackets having angularly disposed flanges secured to the respective sides of adjacent angles of said single supporting member; arms mounted

on said brackets respectively, swingable toward each end of the table top and having downwardly extending members secured to the outer ends of said arms; wheels secured to the lower ends of said downwardly extending supporting members; and chairs horizontally turnably mounted on said arms respectively, said chairs and arms being movable to and from positions of use partially under said top member.

3. A desk structure comprising: A top member having a single upright supporting member located intermediate the ends of the front edge of said top member, and rear supporting mem-

bers adjacent the ends of the rear edge of said top member; arms pivotally connected to said single supporting member, swingable toward each end of said top member; means carried by the free ends of the arms respectively and engaging the floor for supporting said free ends; and chairs horizontally turnably mounted on said arms respectively, said chairs and arms being movable to a position partially under said top member and movable from said position to a position of use.

EDGAR H. SHELDON.

15	90
20	95
25	100
30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150