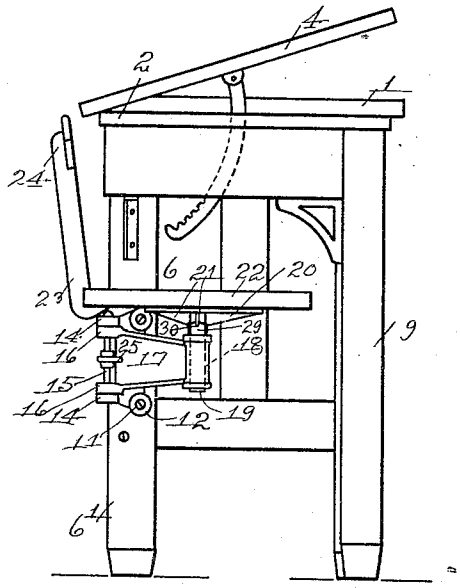
Jan. 3, 1933. E. H. SHELDON 1,892,813

DESK STRUCTURE

Filed Sept. 6, 1929 2 Sheets-Sheet 1

Fig. 1.



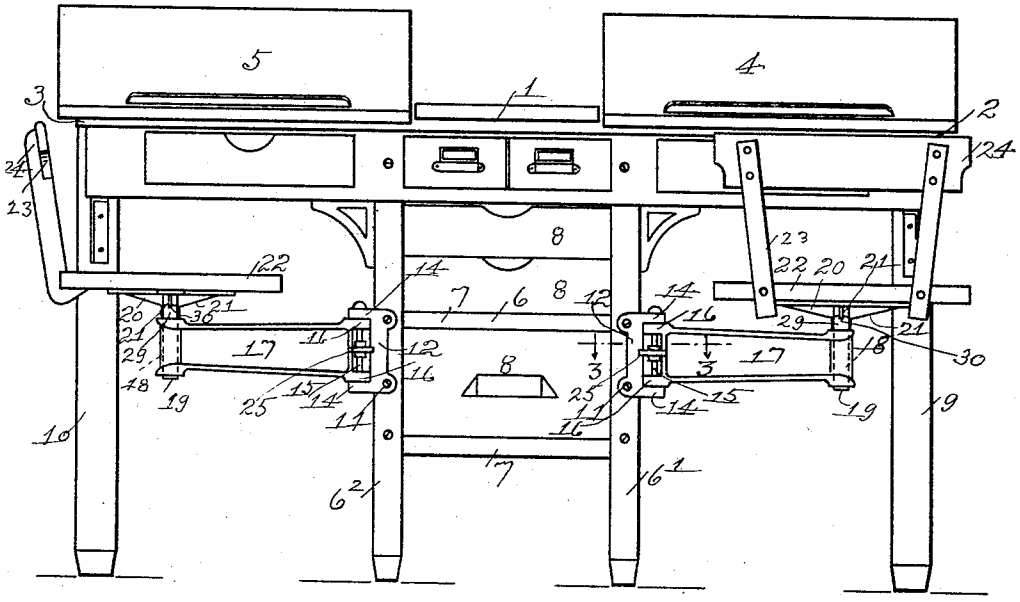


Fig. 2.

Witness:
Geo. L. Chapel

INVENTOR
Edgar H. Sheldon
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ATTORNEYS

Jan. 3, 1933. E. H. SHELDON 1,892,813

DESK STRUCTURE

Filed Sept. 6, 1929 2 Sheets-Sheet 2

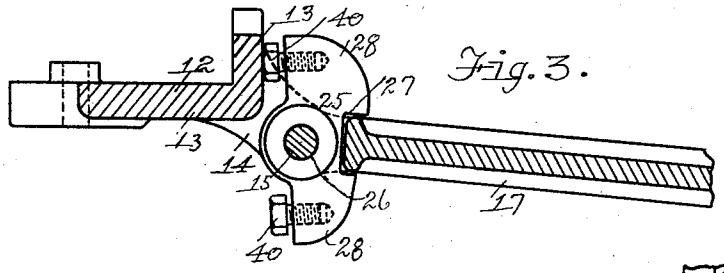


Fig. 3.

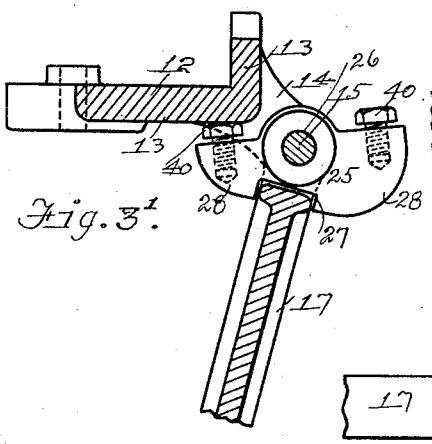


Fig. 3'.

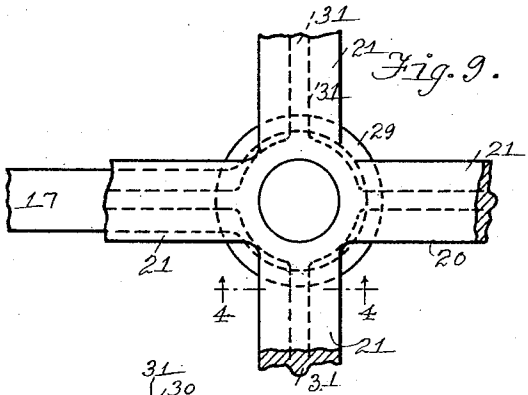


Fig. 9.

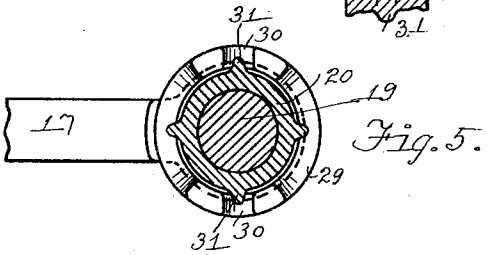
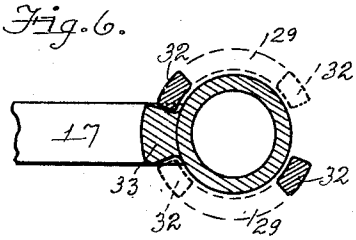


Fig. 5.

Fig. 6.



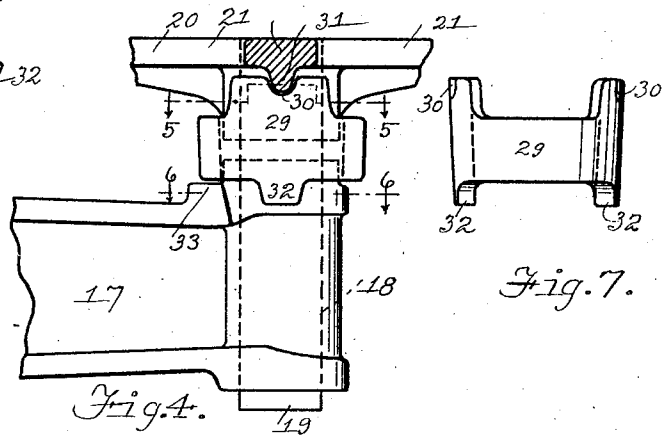


Fig. 4.

Fig. 7.

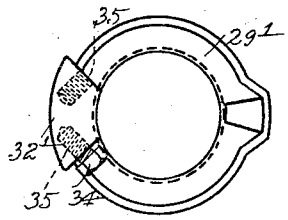


Fig. 8.

Witness:
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Patented Jan. 3, 1933 1,892,813

UNITED STATES PATENT OFFICE

EDGAR H. SHELDON, OF MUSKEGON, MUSKEGON COUNTY, MICHIGAN

DESK STRUCTURE

Application filed September 6, 1929. Serial No. 390,696.

The present invention relates to desk structures; and its object is to provide improved structures of that character with overhanging tops and seats swingable to and from positions beneath such overhanging tops; and further, to provide improved means for mounting such seats; and further, to provide improved means for limiting the swinging and turning movements of the seats.

These and any other and more specific objects hereinafter appearing are attained by, and the invention finds preferable embodiment in, the structure hereinafter particularly described in the body of this specification and illustrated in the accompanying drawings, in which:

Figure 1 is a right hand end elevational view of a desk structure;

Figure 2 is a front elevational view thereof;

Figure 3 is a horizontal sectional view of a portion of the seat-mounting means of this structure, taken on line 3—3 of Figure 2;

Figure 3^1 is a like view of the same, but showing the parts in another position;

Figure 4 is a side elevational view of portions of such mounting means, shown partially in vertical section taken on line 4—4 of Figure 9;

Figure 5 is a horizontal sectional view of said portions taken on line 5—5 of Figure 4;

Figure 6 is a horizontal sectional view of said portions taken on line 6—6 of Figure 4;

Figure 7 is a side elevational view of a stop collar;

Figure 8 is a bottom plan view of the stop collar, but showing a modified construction thereof; and

Figure 9 is a top plan view of a mounting member for the seat of the structure.

In these drawings is shown a desk structure especially adapted for use in schools, and comprising a top member 1 having rectangular overhanging corner portions 2, 3, at the front and right hand and left hand corners of the structure. This disk is intended for use by two persons, and therefore has a pair of hinged top lids 4, 5 adapted to be lowered to level position or to be raised to inclined position shown in the views. This desk top is carried by supporting members including the medial front member 6 which may be furnished with shelves 7 or drawers 8, the top 1 having also other supporting members or legs 9, 10 located at the rear and the right hand and left hand corners of the structure. It will thus be seen that rear leg 9 and the leg portion 6^1 of the front supporting member 6, as well as rear leg 10 and leg portion 6^2 of member 6, are spaced respectively rearwardly and inwardly (as to legs 9, 10) and laterally and inwardly (as to leg portions 6^1 and 6^2) from the overhanging front corners of the structure.

These leg portions 6^1, 6^2 of the front supporting member 6 have mounted thereon (as by screws 11) the brackets 12, 12 each of which has angularly disposed flanges 13, 13 contacting the angularly disposed sides of said leg portions 6^1, 6^2, receiving the screws which pass through holes in said flanges. Through the outwardly extending upper and lower lugs 14, 14 of each bracket passes a vertical pintle 15. This pintle also passes through bearings in the lugs 16, 16 of a horizontally swingable arm 17 having at its free end an axially vertical bearing 18 in which turns the vertical shaft or pintle 19 of the seat mounting member or spider 20 which has the radial arms 21 secured to the under side of the seat portion 22 of the chair 23. Each chair is thus turnable horizontally about the axis of the pintle 19 and each arm 17 is swingable horizontally about the axis of the pintle 15 so that the seat portion 22 of each chair may be swung from a position of use to a position beneath the overhanging portions of the desk top, the upright back portion 24 of the chair extending upwardly above such overhanging portions or their under sides. In order to prevent the chairs from striking the fixed parts of the structure in these swinging and turning movements of the arms 17 and chairs 23, suitable stops are provided. As particularly shown in Figures 3 and 3^1 a stop member 25 is provided for limiting the swinging movement of the arm 17. This member has a bearing 26 through which the pintle 15 extends, and a notch 27 which receives the inner end of the main part of the arm 17. This member

has also lateral extensions 28, adapted to strike the sides of the leg portion 6^1 or 6^2 (or to strike a flange of the bracket 12 carried by said leg portion) and thus limit the arm's movement. Screws 40 threaded in the extensions 28 are adapted to thus strike a fixed part to adjustably limit the arm's movement. A stop collar 29 is provided for limiting the turning movement of the chair. This collar (particularly well seen in Figures 4, 5, 6, 7 and 8) surrounds the vertical pintle portion 19 of the mounting member or spider 20 of the chair, and has in its upper edge notches 30 receiving the ribs or downward extensions 31 of the radial arms 21 of the mounting member 20. The said collar has oppositely disposed downwardly extending lugs or stops 32 adapted to strike the upwardly extending stop portion 33 of the arm 17 and thus limit the turning movement of the chair. A modified construction of this stop collar 29^1 is shown in bottom plan view in Figure 8. In this form, the lug 32^1 is threaded at 35 to receive a screw stop 34 whose head is adapted to strike the arm 17 to adjustably limit the turning movement of the chair.

The screw may be inserted into either threaded opening 35, or such screws may be inserted into both openings. Of course, the screw 40 in Figures 3 and 3^1 and the screw 34 in Figure 8 may be threaded in the fixed part of the structure instead of in the rotating part as shown in these views.

It will be seen that the stop member 25 in Figures 3 and 3^1 and the stop collar 29 in Figures 4, 5, 6, 7 and 8 may be readily assembled with, and disassembled from, the associated parts.

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

I claim:

1. Fittings for articles of furniture comprising a supporting member, a pintle carried by the supporting member, a swinging arm pivotally connected with the supporting member by means of the said pintle, and a stop member pivotally mounted on the pintle and having a limited turning movement relatively to the arm but engageable with the arm to swing therewith, and having projecting stop portions to engage with the supporting member to limit the movements of the arm.

2. Fittings for articles of furniture comprising a supporting member, a pintle carried by the supporting member, a swinging arm pivotally connected with the supporting member by means of the said pintle, a stop member pivotally mounted on the pintle and engageable with the arm to swing therewith, and stops adjustably connected with the stop member and engageable with the supporting member to limit the swinging movements of the arm.

3. Furniture fittings comprising a bracket, a pintle carried thereby, an arm pivotally connected to the bracket by means of the said pintle, a stop loose on the pintle and engageable with the arm to swing therewith and having projecting portions to engage the bracket and limit the swinging of the arm, an article supporting member provided with a pintle mounted in the swinging end of the arm, and a collar mounted on the pintle between the arm and article supporting member and provided with elements coactively engageable with corresponding elements of the said bracket and article supporting member to limit the relative turning of the latter.

In testimony whereof I have hereunto set my hand at Muskegon, Michigan this 29th day of August, 1929.

EDGAR H. SHELDON.