April 20, 1943. E. B. MORGAN 2,317,077

FURNITURE SUPPORT

Filed July 21, 1941 2 Sheets-Sheet 1

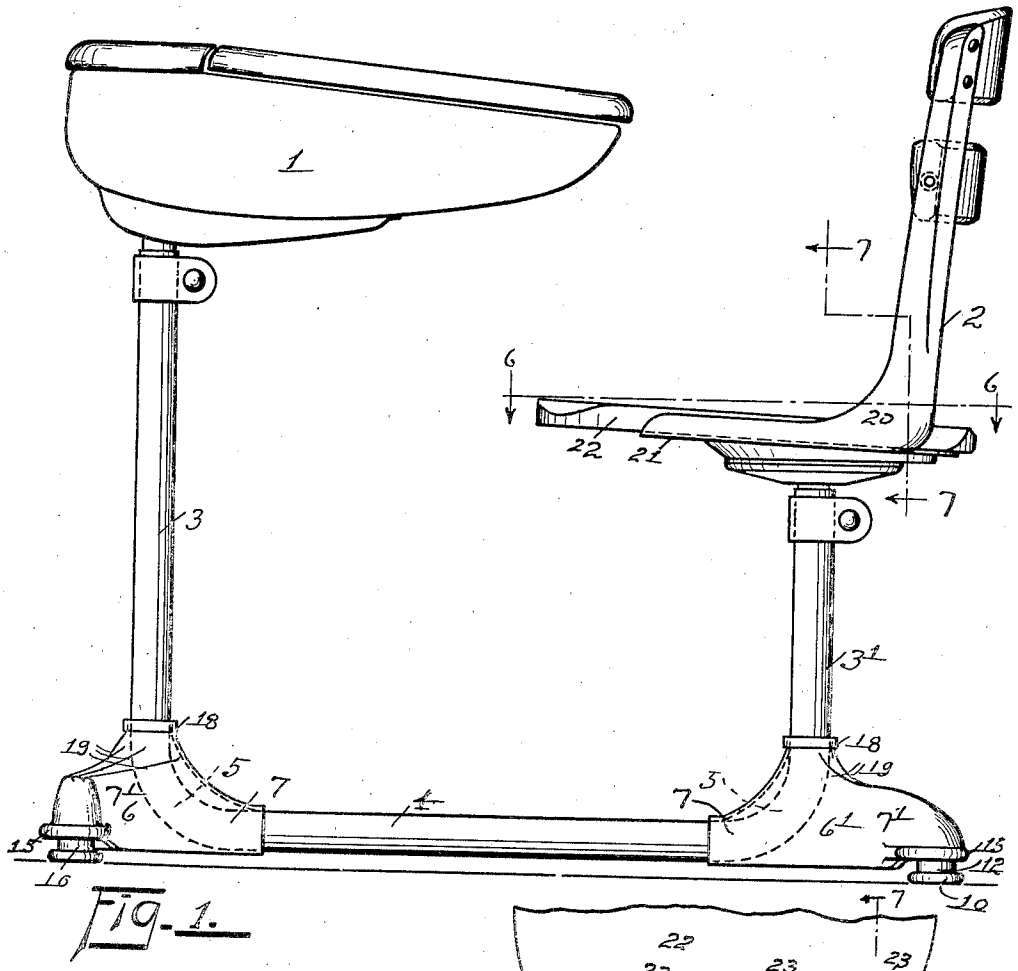


Fig. 1.

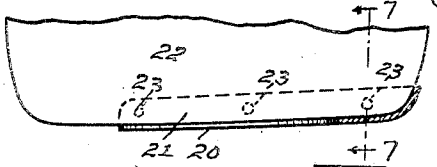


Fig. 6.

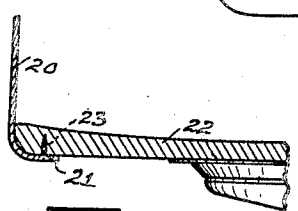


Fig. 7.

Witness:
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FURNITURE SUPPORT

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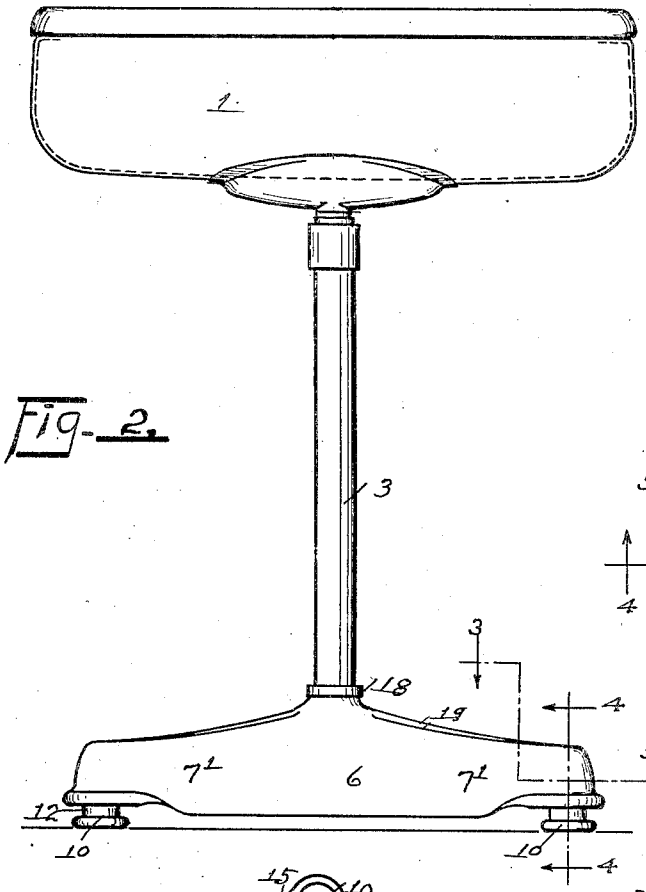


Fig. 2.

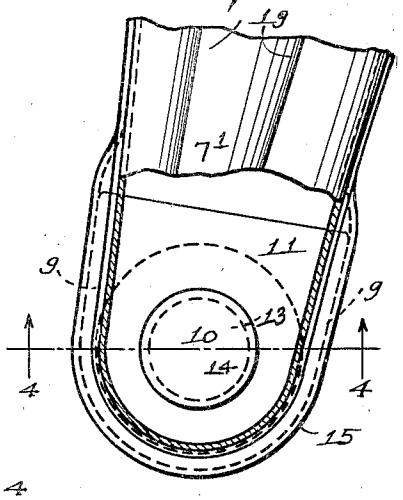


Fig. 3.

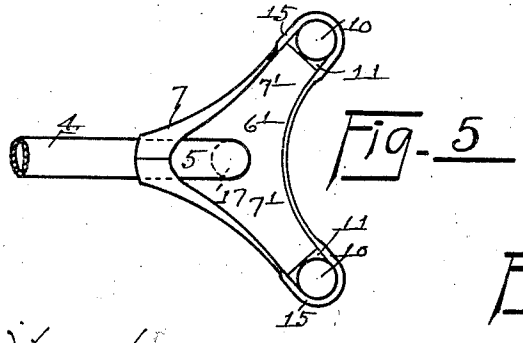


Fig. 5

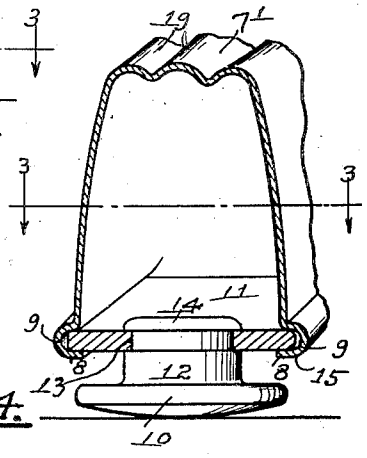


Fig. 4.

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Patented Apr. 20, 1943

2,317,077

UNITED STATES PATENT OFFICE

2,317,077

FURNITURE SUPPORT

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

Application July 21, 1941, Serial No. 403,310

1 Claim. (Cl. 45—137)

The present invention relates to supports for articles of furniture such as desk tops, chair seats and the like, and particularly to the bases or feet of such supports; and its object is to provide improved toe pieces for such bases or feet and the same in readily assembled combination therewith.

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

Figure 1 is an elevational side view of a combined desk and seat structure illustrating my improved support therefor;

Figure 2 is an elevational left hand end view thereof;

Figure 3 is a fragmentary top plan view of a foot of the structure, shown partially in horizontal section taken on line 3—3 of Figures 2 and 4;

Figure 4 is a vertical transverse sectional view of the same taken on line 4—4 of Figures 2 and 3;

Figure 5 is a bottom plan view of a foot of the structure;

Figure 6 is a detail sectional view of certain parts taken on line 6—6 of Figure 1;

Figure 7 is a sectional view of certain parts taken on line 7—7 of Figures 1 and 6.

In Figures 1 and 2 of these drawings, an elongated tubular support or rod is shown for mounting articles of furniture or the like, as the desk top 1 and the chair 2. This elongated support has a vertical upper portion 3 (carrying the desk top) or 3^1 (carrying the chair), a horizontal lower portion 4 and a portion 5 intermediate said portions 3 or 3^1 and portion 4.

A foot 6 at the left hand end of Figure 1, or 6^1 at the right hand end thereof, consists of a metal sheet bent downwardly to form a plurality—three in the illustrated construction—of horizontally diverging branches cross-sectionally arched upwardly (as perhaps best seen in Figure 4). One of said branches 7 embraces said horizontal portion 4 and each of the other branches 7^1 is bent adjacent its lower edges 8 to form a socket comprising a pair of opposite grooves 9.

Each of the branches 7^1 has a toe piece 10 securely held in said socket thereof, this toe piece comprising a horizontal plate portion 11 and a short downwardly extending post portion 12 rigidly mounted on the plate portion as by its shank being thrust through the plate's opening 13 and upset or riveted thereon at 14 as seen in Figure 4.

The grooves 9 may, as shown in Figure 3, mutually approach toward the free end of branches 7^1 so that the correspondingly shaped opposite edges of plate portion 11 being driven into the socket toward said free end will tightly engage therein; or the grooves may be formed about the plate's edges by bending the lower edge portions 15 inwardly under the plate's edges; and the plate may be additionally held in place by welding same and the sheet together.

The foot, as shown, has a medial opening 17 through which said upper portion 3 passes as shown in Figure 5. The foot is rigidly fastened on the tubular support as by welding these parts together; and a collar 18 may be applied to said upper portion 3 and the surrounding sheet as shown in Figures 1 and 2.

The branches may have longitudinally extending corrugations 19 as shown.

The sides 20 of the back of the chair shown in Figure 1 have inwardly extending flanges 21 secured on the under side of the chair's seat 22 by upwardly extending screws 23.

The invention being intended to be pointed out in the claim 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:

A foot for an elongated furniture support of the class described which has a vertical upper portion, a horizontal lower portion and a portion intermediate said portions, said foot being rigidly secured on the support and consisting of a metallic sheet bent to form a plurality of cross-sectionally arched horizontally diverging branches one of the branches being secured to said horizontal portion and the other branches being bent inwardly adjacent their lower edges to form sockets, and downwardly extending toe pieces securely held in the sockets.

ERVING B. MORGAN.