Dec. 4, 1956 W. J. BARGEN 2,772,936

DESK OR TABLE TOP SUPPORT FRAME

Filed April 21, 1955

Fig. 2

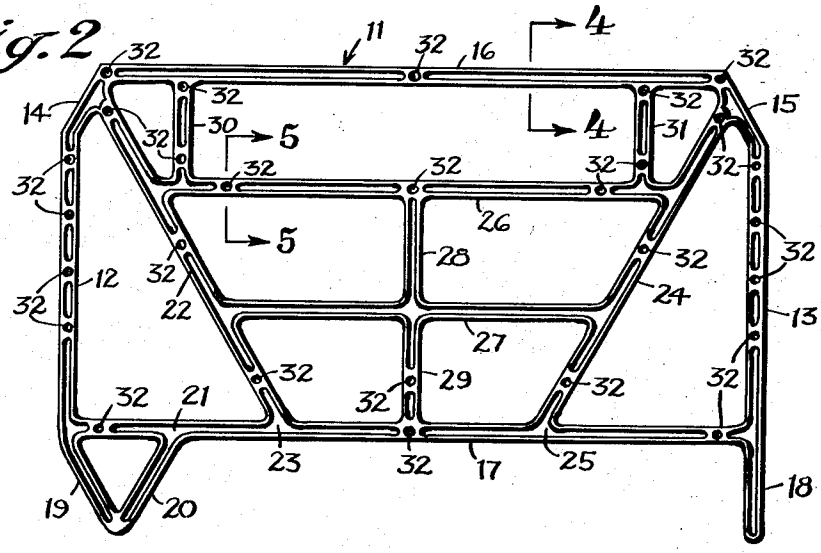
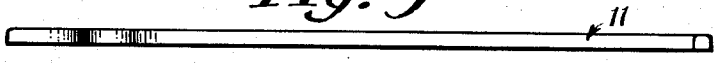


Fig. 3



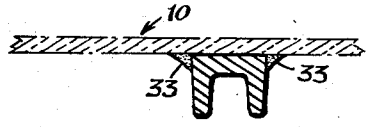


Fig. 4

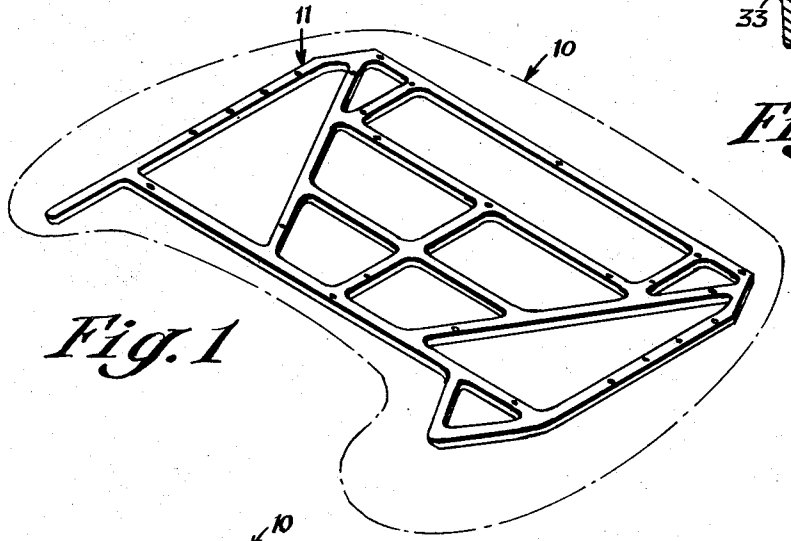


Fig. 1

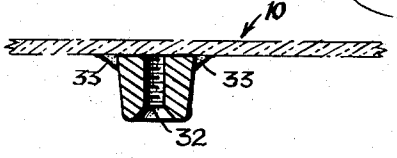


Fig. 5

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DESK OR TABLE TOP SUPPORT FRAME

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Application April 21, 1955, Serial No. 502,909
1 Claim. (Cl. 311—105)

The present invention relates to articles of furniture, and more specifically, to desk or table top support frames which are adapted to be used with desk or table bases of differing construction.

The primary object of the invention is to provide a structure of the class described which, when laminated to a desk or table top, produces an exceptionally strong unitary construction.

Another object of the invention is to provide a device of the above character which may be used with a multiplicity of base support structures.

A further object of the invention is to provide a desk or table top frame which is light in weight while having great strength when combined in laminated form with a desk or table top.

A still further object of the invention is to provide a desk or table top underframe which is relatively inexpensive to manufacture and easy to install.

Another object of the invention is to provide an underframe of the class described which may be attached to an understructure by means of machine screws threaded into the underframe after passing through the understructure.

Other objects and advantages will become apparent in the following specification when read in light of the attached drawing, in which:

Figure 1 is a perspective view looking down on top of the invention with the desk or table top shown in dotted lines.

Figure 2 is a bottom plan view of the invention.

Figure 3 is a side elevation of the invention.

Figure 4 is a vertical cross-section taken on line 4—4 of Figure 2, looking in the direction of the arrows, with parts broken away.

Figure 5 is a cross-section taken on line 5—5 of Figure 2, looking in the direction of the arrows, with parts broken away.

Now referring to the drawings in detail, wherein like reference numerals indicate like parts throughout the several figures, the reference numeral **10** indicates, generally, a desk or table top to which the invention is to be secured. The frame **11** includes a pair of parallel side members **12** and **13** which have an inverted U-shaped cross-section, as disclosed in Figure 4. The side member **12** has an inwardly angled frame member **14** extending from one end thereof and the frame member **13** has an inwardly angled member **15** extending from one end thereof. The outer ends of the members **14** and **15** are connected by a lateral cross member **16**. A second cross member **17** connects the other ends of the side members **12** and **13** and extends in parallel relation to the cross member **16**. The side member **13** is provided with a stub end **18** which extends beyond the cross member **17**. The side member **12** extends beyond the cross member **17** at an inwardly directed angle thereto as at **19**.

A member **20** connects at one end with the inner terminal end of the member **19** and has its other end connected with the cross member **17** at **21**. A diagonal element **22** extends from the member **14** to the member **17** near the central portion of member **17** and is connected thereto at **23**. An element **24** extends diagonally from the member **15** and connects with the cross member **17** near the central portion thereof, as at **25**. A pair of parallel cross members **26** and **27**, substantially equidistant from and parallel to the cross members **16** and **17**, extend between the diagonal members **22** and **24**.

The mid points of the cross members **26** and **27** are connected by an upright member **28** which is parallel to the side members **12** and **13**. The midpoints of the cross members **27** and **17** are connected by an upright member **29** extending parallel to the side members **12** and **13**. One end of the cross member **26** is connected to cross member **16** adjacent one end thereof by a member **30**, while the opposite end of the cross member **26** is connected to cross member **16** adjacent the opposite end thereof by the member **31**.

Each of the elements and members mentioned in the frame **11** has a generally inverted U-shaped cross-section. The side members **12** and **13** are provided at spaced intervals with upwardly directed threaded bores **32** for attachment of the frame **11** and its associated desk or table top **10** to a pedestal support. The cross members **16**, **26** and **17** are each likewise provided with spaced threaded bores **32** for the same purpose. The diagonally extending members **22** and **24** and the upright members **29**, **30** and **31**, are also each provided with the spaced threaded bores **32**. It should be noted in Figure 5 of the drawing that portions of the U-shaped members are made solid to facilitate the boring thereof for provision of the threaded openings **32**.

In the use and operation of the invention, the frame **11** is bonded to a desk or table top **10** by bonding means **33**, so that a unitary frame **11** and desk or table top **10** construction is provided. The multiplicity of securing bores **32** permit the attachment of the device to numerous shapes of supporting pedestals without modifying either the frame **11** or the pedestal.

Having thus described a preferred embodiment of the invention, it should be understood that various modifications may be resorted to without departing from the scope of the appended claim.

What is claimed is:

A combination desk or table top and support frame therefor comprising a pair of elongated parallel spaced apart side members, a pair of parallel elongated cross members extending between and joined to said side members forming a substantially rectangular configuration, said side members each extending a substantial distance beyond one of said cross members, a pair of bracing members extending from the opposite junctures of said side members with the other of said cross members at a converging angle to each other terminating at spaced apart medial points on said one cross member, said bracing members being integrally joined to said cross members and said side members, a pair of cross brace members parallel to and equispaced from said cross members extending between and joined integrally to said brace members, a central member integrally joined to the medial points of said cross brace members and said one cross member, said members each having an inverted U-shaped cross section, means on each of said members for securing said frame to a support, a top panel extending over said frame, and means bonding said frame to said top whereby the combined strength of said frame of said top is materially increased.

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