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P. M. WEGE

LEG CONSTRUCTION FOR METAL DESKS

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2 Sheets-Sheet 1.

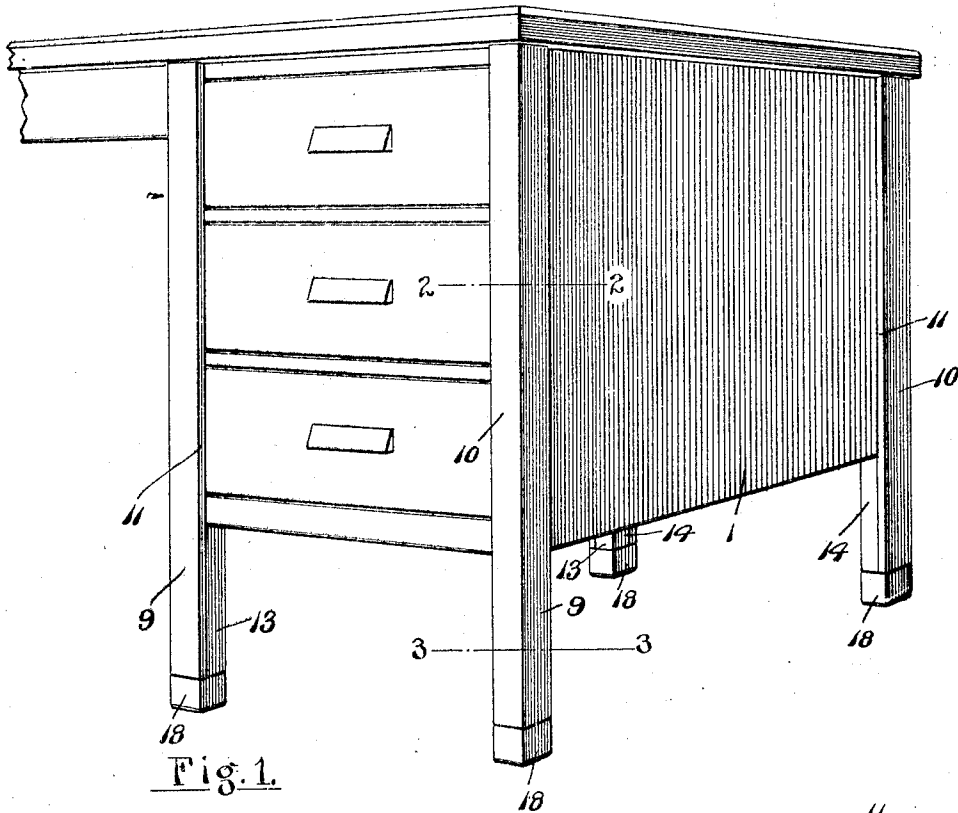


Fig. 1.

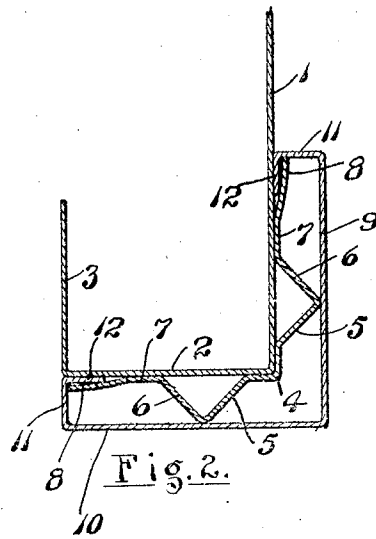


Fig. 2.

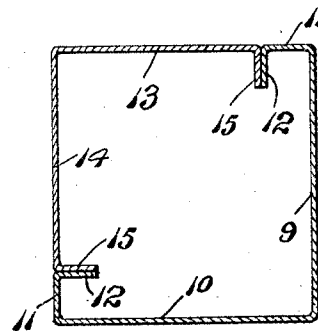


Fig. 3.

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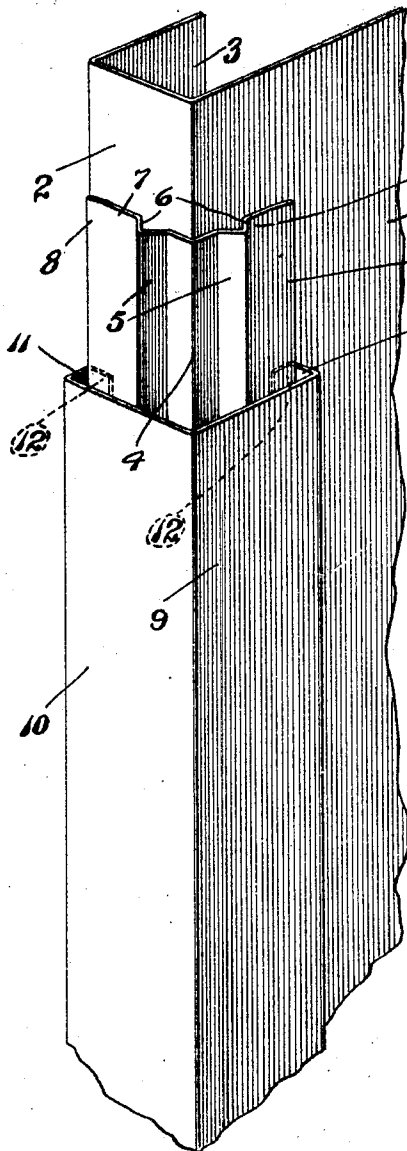


Fig. 4.

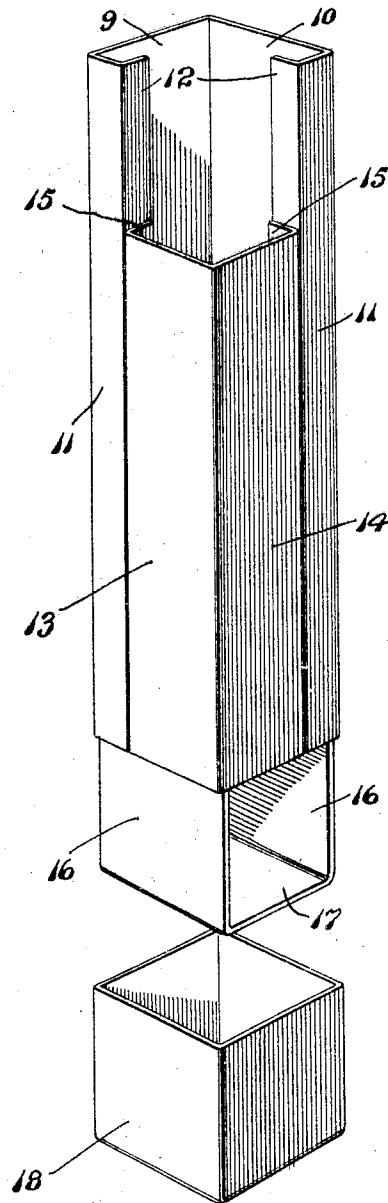


Fig. 5.

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UNITED STATES PATENT OFFICE.

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LEG CONSTRUCTION FOR METAL DESKS.

Application filed August 4, 1924. Serial No. 729,884.

This invention relates to metal desks and is directly concerned with a leg construction for desks of this character made of sheet metal and applied to the desk pedestal in a simple and novel manner, whereby a particularly efficient and economical construction is made and one which can be manufactured and assembled very quickly and readily.

For an understanding of the invention and the constructions embodying the same by means of which the above mentioned advantages are attained, as well as many others not at this time specifically enumerated, reference may be had to the following description taken in connection with the accompanying drawings in which,

Fig. 1 is a perspective view of one end of a desk equipped with my invention.

Fig. 2 is a fragmentary horizontal section taken on the plane of line 2—2 of Fig. 1.

Fig. 3 is an enlarged horizontal section on the plane of line 3—3 of Fig. 1.

Fig. 4 is a fragmentary perspective view showing the leg construction in partly assembled form, that is, the leg is in the process of attachment to a corner of the desk pedestal, and

Fig. 5 is a perspective view of the lower end of the desk leg.

Like reference characters refer to like parts in the different figures of the drawings.

The desk pedestal has inner and outer sides 1 of sheet metal, each of which at both its front and rear edges is turned at right angles for a short distance, making section 2, and then turned to the rear at right angles making a flange 3 which parallels the side 1 of the pedestal. Any usual means for attaching the sides in spaced apart relation and for defining the openings into which the desk drawers may be inserted may be used, the same not being detailed in the drawings nor described.

At both the front and rear ends of each of the pedestal sides 1 an attaching member of sheet metal is secured, the same being formed vertically midway between its edges with a grooved portion 4 which fits against the corner made between the side 1 and the end section 2 bent therefrom. Extending oppositely from said part 4 are sections 5 lying in the same plane which, at their outer portions are bent inwardly at right angles to make sections 6, and then contin-

ued in sections 7 which lie against the sides 1 and the parts 2. Each edge of this sheet metal member terminates in a terminal section 8 which, in effect, is a continuation of the adjacent section 7 but which, when the leg is attached at each corner of the desk pedestal, springs outwardly, as shown in Fig. 2, said sections 8 not being attached to the pedestal sides 1 or the parts 2 but being free to spring outwardly therefrom. This member described and shown in Figs. 2 and 4, is connected to each corner of the desk pedestal by spot welding the sections 7 to adjacent metal of the pedestal sides. And if it is desired the grooved central portion 4 may also be secured, though this is not essential.

A leg is applied to each corner of the desk pedestal. Each leg is formed from sheet metal folded vertically midway between its vertical edges into a form including two sides 9 and 10 positioned at right angles to each other. Each of the sides 9 and 10 has a short portion 11 bent inwardly at right angles and then again at right angles making flanges, as indicated at 12, so as to parallel the sides 9 and 10. As thus formed the flanges 12 may be introduced under the sections 8, previously described, from the lower end of each corner of the pedestal and the leg forced upwardly until its upper end bears against the desk top. It will be noted that the angular portions, made by sections 5 and 6, at their apexes bear against the inner sides of the sides 9 and 10 of the leg, this furnishing a bearing which strengthens and reinforces the construction; and it will also be noted that the said attaching member which is secured at each corner of the desk pedestal is of a form such that is readily made by a punch and die in one operation.

The lower end of each leg, below the lower edges of the front and sides of the desk pedestal, is filled by a sheet metal filler member formed from a single piece of sheet metal and bent vertically midway between its edges into a shape having two sides 13 and 14 positioned at right angles to each other, each of which at its outer portion is again bent inwardly to make a short flange 15. This member fills in the open side of the leg construction described with flanges 15 bearing against the flanges 12 to which they may be secured in any suitable manner, as by weld-

ing or other equivalent means of connection.

At the lower end of each leg a foot is provided which may be of a different metal, this adding to the appearance as well as closing the lower end of each leg. This foot construction consists of a U-shaped metal member having vertical sides 16 connected at their lower ends by an integral horizontal section 17. The upper ends of the sides 16 pass into the lower end of a leg and bear against opposite inner sides thereof so that the U-shaped member may be secured in place by welding. An inverted cap 18 having an open upper end fits over the U-shaped member and is secured thereto by any desired means; in practice, a screw usually being used to pass through the lower side of the cap 18 and into the section 17 of the U-shaped member.

The construction described is particularly economical to manufacture and the assembly of the legs to the pedestal is easily accomplished by merely forcing the leg upwardly with the flanges 12 frictionally engaged under the free end sections 8 of the attaching member interposed between the legs and the corners of the pedestal. The upward movement of each leg is ended when the upper end of a leg strikes against the desk top or the upper edges of the sides 13 and 14 of the filling member strike against the lower sides of the pedestal body. This construction permits shipment in a knock-down form as the legs can be attached when the desk is received without the employment of any skilled labor. The invention is very practical in all respects, has so proved in practice and is defined in the appended claims. All forms of construction coming within the scope of these claims are to be considered as comprehended by the invention.

I claim:

1. A leg for furniture and the means of attaching the same comprising an angle member attached to the outside of a vertical corner of the furniture and having its vertical edges free, a leg member having inturned flanges adapted to slip between the free edges of the angle member and the body of the furniture and means for limiting the upward movement of the leg relative to the body of the furniture.

2. A leg for furniture and means of attaching the same comprising an angle member fastened to the outer sides of a vertical corner of the furniture and having its vertical edges free, a leg having inturned flanges adapted to be inserted between the free edges of the angle member and the furniture and a member projecting outwardly from the said angle member near the angle thereof to engage the inner surface of the leg.

3. A leg for furniture and means for attaching the same comprising an angle member fastened to the outer sides of a vertical corner of the furniture and having its vertical edges free and spaced short distances from the adjacent surfaces of the furniture, a leg having inturned flanges adapted to be inserted between the free edges of the angle member and the furniture and a projection formed integral with the angle member and extending outwardly therefrom near the angle thereof to engage the inner surface of the leg.

4. A leg for furniture and means for attaching the same comprising an angle member attached to a vertical corner of the furniture and having its vertical edges free, a leg having inturned flanges adapted to be inserted between the free edges of the angle member and the furniture and projections formed integral with the angle member and extending outwardly therefrom, one at each side of the angle thereof and adapted to engage the inner surface of the leg.

5. A leg for furniture and means for attaching the same comprising an angle member attached to a vertical corner of the furniture and having its vertical edges free, a leg formed of sheet metal comprising two vertical sides arranged at right angles to each other, a vertical edge extending at right angles from each side and a vertical flange extending at right angles from each edge and parallel with each respective side and adapted to be inserted between the free edges of the angle member and the furniture and a projection extending outwardly from the angle member near the angle thereof and adapted to engage the inner surface of the leg.

In testimony whereof I affix my signature.

PETER M. WEGE.