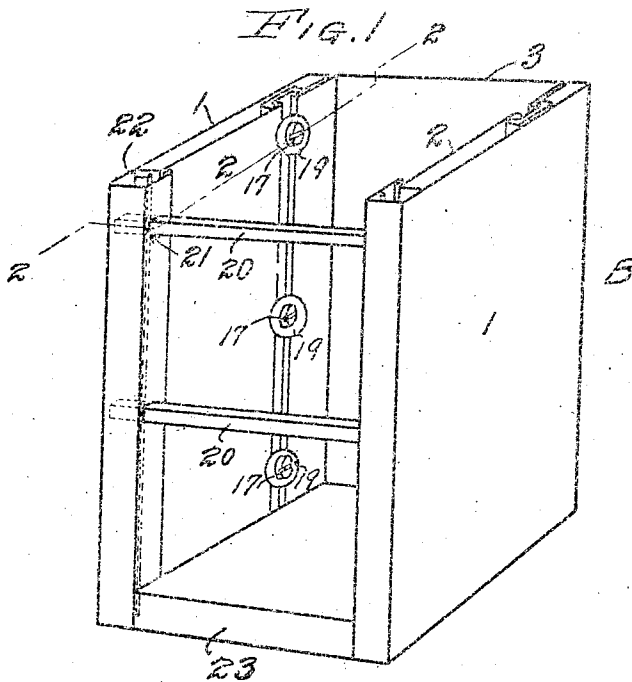
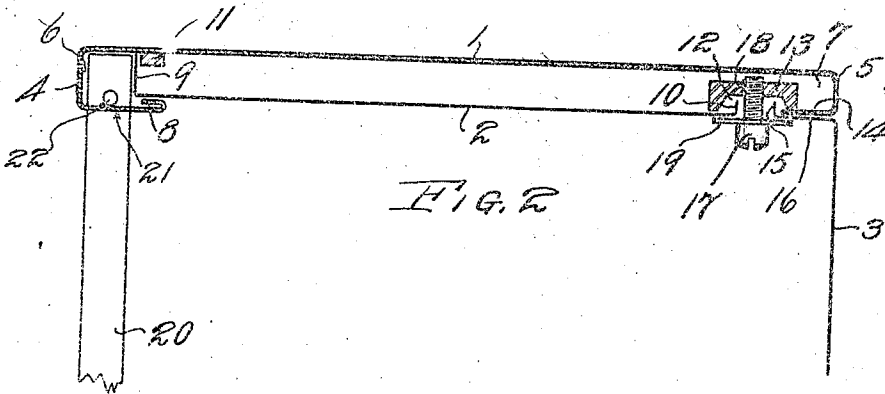


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METAL FURNITURE CONSTRUCTION.
APPLICATION FILED JUNE 2, 1911.

1,008,075.

Patented Nov. 7, 1911.



WITNESSES:

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METAL-FURNITURE CONSTRUCTION.

1,008,075.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADOLF H. SCHAFFERT, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Metal-Furniture Construction, of which the following is a specification.

This invention relates to the subject of furniture, particularly of the kind employed for office filing systems.

To this end the present invention contemplates a metal furniture construction possessing special utility in its application to metal filing cabinets or cases such as employed for filing purposes in business offices. In carrying out this general object, it is proposed to provide a cabinet or case construction wherein the several metal elements may be readily assembled and taken apart, while at the same time embodying means for securely and rigidly clamping the parts together in their set-up relation so as to obviate any possibility of spreading or pulling apart while in actual service.

With these and other objects in view, which will more readily appear to those skilled in the art as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

The essential features of the invention are necessarily susceptible to some modification without departing from the spirit thereof, but preferred embodiment is shown in the accompanying drawings, in which:

Figure 1 is a sectional perspective view of a metal case or cabinet showing the several elements thereof interlocked and clamped together in the manner contemplated by the present invention. Fig. 2 is a horizontal sectional view, substantially on the line 2-2 of Fig. 1 of the drawings, and showing more plainly the assembly of the parts and the clamping and retaining means therefor.

Like references designate corresponding parts in the separate figures of the drawings.

The improved metal furniture construction claimed herein is exemplified by the illustration of the drawings, wherein there is shown a sectional casing or cabinet body designated in its entirety by the reference letter B, and including in its general organi-

zation the opposite outer side walls 1, the inner wall plates 2, and a back plate 3. These elements are separate sheet metal plates adapted to be assembled and clamped together in the manner shown.

According to the foregoing, each side wall of the casing body is of double-wall construction, that is to say, consisting of the outer side wall plate 1 and the inner wall plate 2, the latter being narrower in width than the outer plate 1. The said outer plate 1 of each side wall is provided at the front and rear edges thereof with the inturned folded edge portions 4 and 5 respectively, both of which are of open formation to inclose keeper pockets 6 and 7 respectively, the functions of which will presently appear. Also, it is preferable to provide the inner flange of the front folded edge portion 4 with a redoubled stiffening edge 8, as clearly shown in Fig. 2 of the drawings.

The inner plate 2 of each side wall is provided at its front and rear edges with the outturned holding flanges 9 and 10 respectively, the flange 9 being wider than the flange 10 and being adapted to lie in front of a guard stop 11 or equivalent element on the outer plate 1, while the said narrower flange 10 is adapted to project into a keeper channel 12 provided in the inner side of a clamping channel bar 13 arranged at the inner side of the outer wall plate 1 and having one edge portion lying in the keeper pocket 7 and against the inner flange 14 of the rear folded portion 5. Each channel bar 13 also receives in the channel thereof an outturned holding lip 15 provided at the inner edge of each of the clamping flanges 16 which are bent forwardly from the opposite edges of the back plate 3, said flanges 16 lying against the inside flanges 14 of the outer plate 1. The flanges 10 and the lips 15 are spaced apart to provide a screw slot through which, at suitable intervals, are passed fastening screws 17 whose threaded portions engage threaded openings 18 in the channel bars, and the heads of which screws bind upon clamp washers 19 which impinge against both the inner wall plates 2 and the flanges 16 of the back plate 3.

Transverse front bars 20 have their ends extended through openings 21 in the front folded portions 4, and within the keeper pockets 6 the said ends of the front bars are perforated to receive retaining rods 22 which serve to lock the front edge portions

of the casing body to the bars 20. The latter are arranged at suitable intervals apart and are usually designed to space off the drawer compartments within the casing or cabinet body. Any suitable base part 23 may be fitted within the bottom portion of the body, and in any suitable manner, and it will also be understood that the casing or cabinet body may be fitted up or completed in any suitable way without affecting the claimed construction described herein.

I claim:

1. A construction for metal furniture comprising a body including opposite side walls each consisting of outer and inner plates, a single back-plate, and an adjustable and detachable clamping device having a coupling and clamping engagement with said several plates.
2. A construction for metal furniture comprising a body including opposite side walls each consisting of outer and inner plates, a single back plate, and a clamping device carried by each side wall and comprising means for coupling the inner side wall to the back plate and for clamping the latter to the outer side wall plate.
3. A construction for metal furniture comprising a body including opposite side walls each consisting of outer and inner plates of different widths, a single back plate, and a clamping device carried by each side wall and having means for coupling the inner side wall plate to the back plate, and for detachably clamping the latter to the outer side wall plate.
4. A construction for metal furniture comprising a body including opposite metal side walls, a single back plate, clamps for detachably securing the back plate to the side walls, front bars connecting the front edge portions of the side walls, and detachable retainers for the bars held within the side walls.
5. A construction for metal furniture comprising a body including opposite side

walls each consisting of outer and inner plates, and the outer plate being provided with inturned front and rear folded edge portions, a single back plate, a clamping bar arranged within each side wall and having retaining means for the back plate and the inner side wall plate, and fastening screws engaging the clamping bar and carrying washers binding on portions of the back wall, and the inner side wall plate.

6. A construction for metal furniture comprising a body including opposite side walls each consisting of outer and inner plates, the outer side wall plates having inturned front and rear folded edge portions, and the inner side wall plates having outturned front and rear holding flanges, a single back plate having forwardly extending clamping flanges provided with terminal holding lips, a clamping channel bar arranged to engage the rear folded part of each outer side wall plate and receiving in its channel the rear holding flange of the rear side wall plate and the holding lip of the adjacent flange of the back plate, and screws extending through the interval between each inner side wall plate and the flange of the back plate and engaging the channel bar, and a clamping washer carried by each screw and binding on the adjacent portions of the inner side wall plate and the flange of the back plate.

7. A construction for metal furniture comprising a body including opposite double metal side walls, front bars connecting the front edge portion of the side walls, and retaining rods arranged within the front edge portions and detachably engaging the ends of the bars therein.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ADOLF H. SCHAFFERT.

Witnesses:

H. E. WHITE,
O. D. KAISER.