

Nov. 10, 1925.

1,560,922

P. M. WEGE

METAL CUPBOARD CONSTRUCTION

Filed Aug. 4, 1924

2 Sheets-Sheet 1

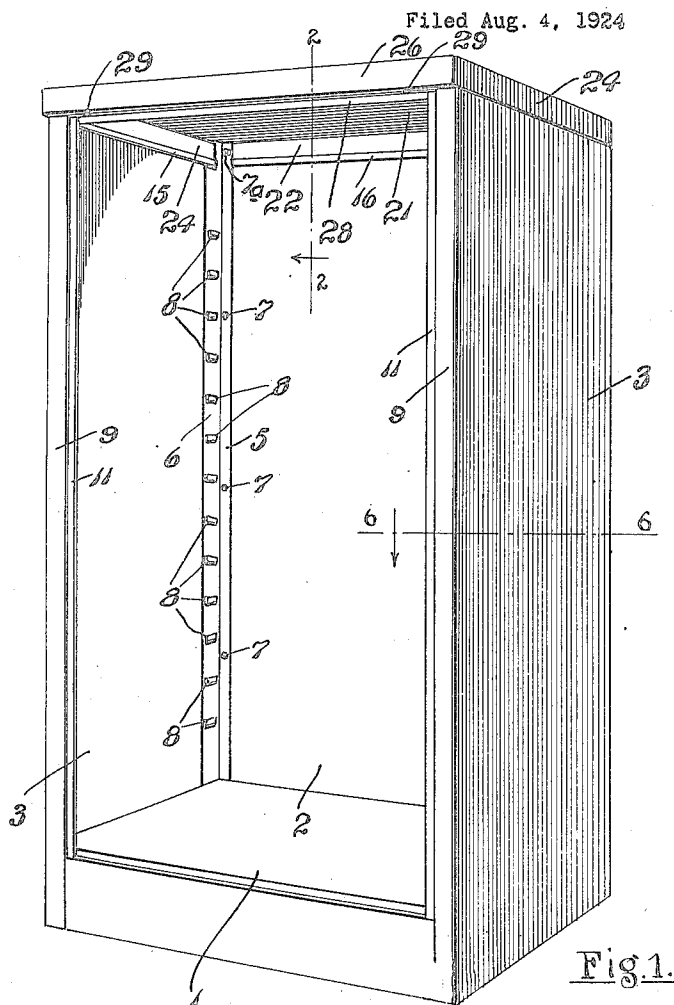


Fig. 1.

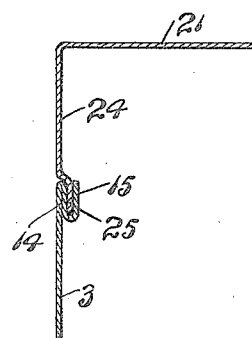


Fig. 3.

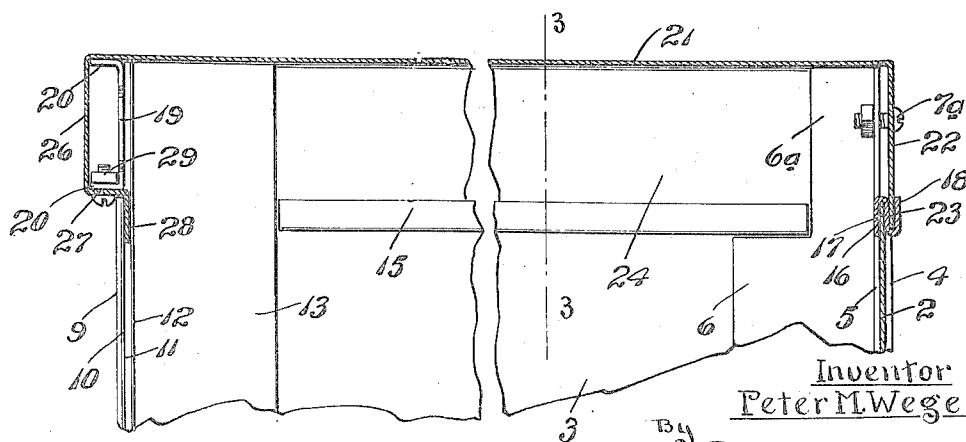


Fig. 2.

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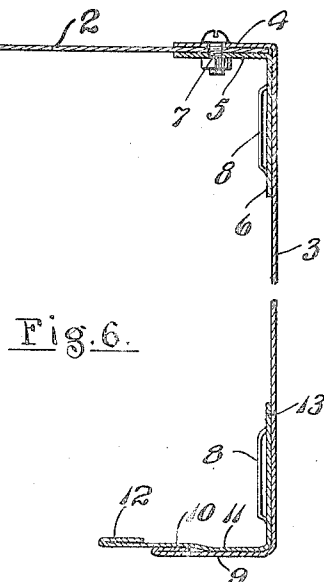
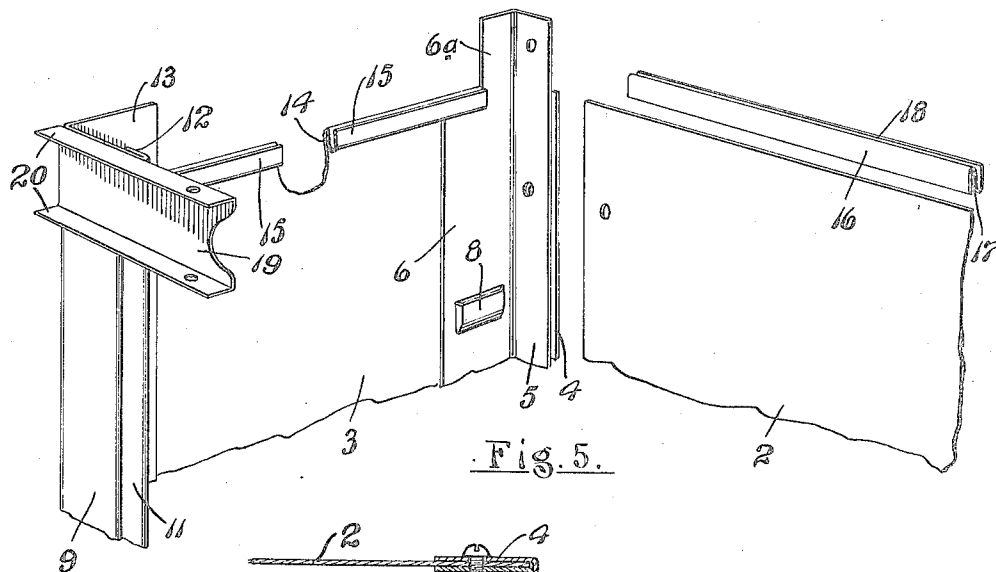
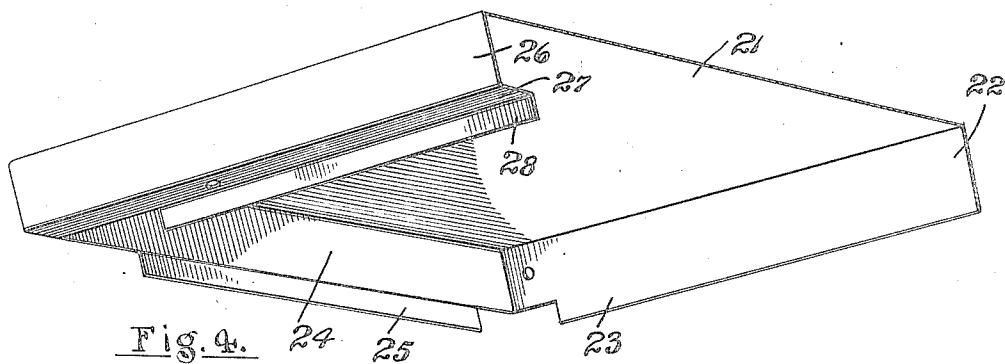
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

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METAL CUPBOARD CONSTRUCTION.

Application filed August 4, 1924. Serial No. 729,883.

To all whom it may concern:

Be it known that I, PETER M. WEGE, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Metal Cupboard Constructions; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a metal cupboard construction and is concerned with novel constructions for the building of a cupboard or similar cabinet wholly from sheet metal. The invention comprises various novel constructive arrangements for the building of the cupboard, whereby a simple and economically constructed cupboard is provided, and one which is especially practical in all respects.

The construction of the cupboard or cabinet is shown in the accompanying drawings, in which,

Fig. 1 is a perspective view of the cupboard, front doors therefor being omitted from the construction to better disclose the same.

Fig. 2 is a fragmentary enlarged vertical section through the upper part of the cupboard, the section being substantially on the plane of line 2—2, of Fig. 1.

Fig. 3 is a fragmentary vertical section on the plane of line 3—3, of Fig. 2.

Fig. 4 is a fragmentary perspective view of the top member of the cupboard.

Fig. 5 is a fragmentary perspective view of one side and the back parts of the cupboard, the same being separated from each other, and

Fig. 6 is a fragmentary horizontal section on the plane of line 6—6, of Fig. 1.

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

The cupboard includes a bottom 1 which may be of any desired construction, its specific form being no part of the present invention. A back 2 is provided extending vertically from the bottom and is formed from a plate of sheet metal, as shown. Two spaced apart sides 3 of sheet metal are used in conjunction with the back and bottom, each of the sides being formed at its rear

portion with an inwardly turned vertical flange 4 which lies back of the edge portion of the back, as best shown in Fig. 6. At each rear vertical corner of the cupboard a vertical angle made from sheet metal is located on the inner sides of the back and each side, one leg 5 of the said angle bearing against the back 2 and the other leg 6 extending forwardly and bearing against the side 3. Short stove bolts 7 pass through the flanges 4, back 2 and the legs 5 for securing the parts together. The legs 6 may be spot welded to the sides 3 and shelf supporting sockets 8, in practice, are struck from the legs 6, as shown.

At the front vertical edge of each side 3, the metal is bent inwardly at right angles, making a front flange or jamb 9 which, at its inner edge is turned back upon itself, as indicated at 10, thereby reinforcing the flange which is located at each side of the front opening to the cupboard. Other angle pieces are located vertically in the corners made by the sides 3 and flanges 9, the front flanges of legs 11 of which are spot welded to the flanges 9 and extend inwardly beyond the inner edges of said flanges 9 and are then turned back, as indicated at 12, for reinforcing the edges of the metal and to make a smooth and rounded edge. The rearwardly extending leg 13 is likewise formed with shelf sockets and is spot welded to the side 3 against which it bears.

The rear angle members extend above the upper edges of the sides and back for a short distance, the leg 6 being partly cut away so that only a portion 6^a extends above the adjacent side 3. The front angle members also extend the same distance above the upper edges of the sides 3. Said sides, at their upper edges between the edges of the legs 13 and 6^a of the front and rear angle members are first bent inwardly and downwardly upon themselves for a short distance, as shown at 14, then bent outwardly and upwardly making an elongated U-shaped seat 15 at the upper edge of each side 3. At the upper edge of the back 2 between the legs 5 of the rear angle members, a member of sheet metal is attached bent substantially into S-shape with a front vertical side 16, an intermediate connecting part 17 and a rear vertical side 18, said member being connected by inserting the upper edge of the back 2 between the parts 16 and 17.

Above the upper end of each inturned flange 9 a short length of channel member having a vertical web 19 and upper and lower forwardly extending flanges 20 is secured to the adjacent flange 11, said channel members projecting inwardly toward each other. Adjacent the inner ends of said channel members, the flanges have openings made, as shown. A top is used to complete the cupboard, being formed from a single plate of sheet metal to make a horizontal top 21, at the rear edge of which a downwardly extending flange 22 is formed, it at its lower portion having an elongated tongue 23 somewhat shorter in length than the length of the flange 22 and adapted to enter the seat between the parts 17 and 18 of the connecting member located at the upper edge of the back 2. At each end of the top 21 an end flange 24 is turned downwardly which, at its lower edge is continued in a shorter inwardly set tongue 25 to seat in the seat made between the parts 14 and 15 at the upper edge of each side 3. At the front edge of the top 21, the metal is turned downwardly to make a front flange 26 wide enough to cover the channel members, then bent inwardly and to the rear to make a section 27 passing under the lower flanges of the channel members, and then bent downwardly to make a tongue 28 of a length to extend between the vertical edges of the parts 11. The top is applied by elevating the rear portion of the top member so that the sections 27 and 26 may be placed over the said channel members and then the top is brought down to horizontal position and secured in place by bolts 29 and 7^a the former passing through section 27 and the lower flanges of the channel members, and the latter through the back flange 22 and the upper ends of the legs 5, as shown. It will be noted that the hole or opening in the upper flanges of the channels is not used, appearing only because the channel members are made that way so as to be available for either side of the cupboard.

The construction described is readily

made from sheet metal and provides a simple, durable and economically made structure in all respects and one that has proved very satisfactory in practice. The appended claims define the invention which is to be considered comprehensive of all forms of structure coming within their scope.

I claim:

1. In a cabinet of the class described, a back and two spaced apart vertical sides formed of sheet metal, means for connecting the back and sides including two vertical angle members located at the junction of said back and sides, said angle members extending above the upper edges of the back and sides, two additional angle members positioned vertically at the front edges of said sides and likewise extending above the upper edges of the sides, two channel members attached one to each of the front angle members at the upper ends thereof, said channel members extending inwardly toward each other, a bottom to the cabinet, and a top of sheet metal connected to said channel members and to the upwardly projecting ends of the rear angle members, said top having depending back and side flanges, and means carried by said back and sides into which the lower portions of said flanges seat, substantially as described.

2. In a cabinet of the class described, a back of sheet metal and two sides formed of sheet metal, means connecting said back and sides, two vertically positioned angle members one at the front of each side and secured thereto and extending above said sides, a channel member secured to the upper end of each of the angle members, said channel members extending inwardly toward each other, a top of sheet metal connected with said channel members at the front and covering same, said top covering the space enclosed by the back and sides and a bottom located between said sides and in front of said back adjacent the lower edges thereof substantially as described.

In testimony whereof I affix my signature.

PETER M. WEGE.