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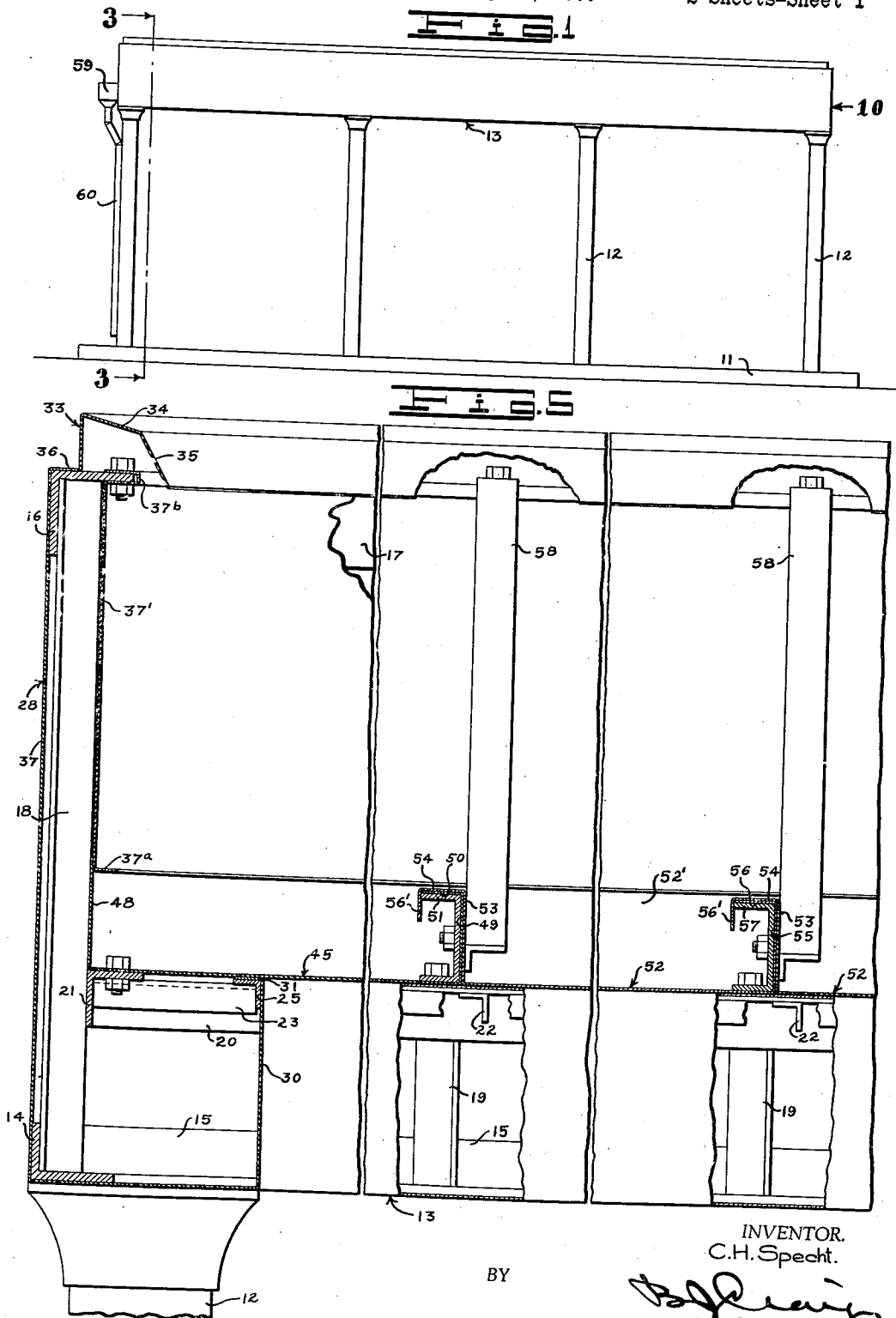
C. H. SPECHT

2,178,975

CANOPY CONSTRUCTION

Filed July 24, 1939

2 Sheets-Sheet 1



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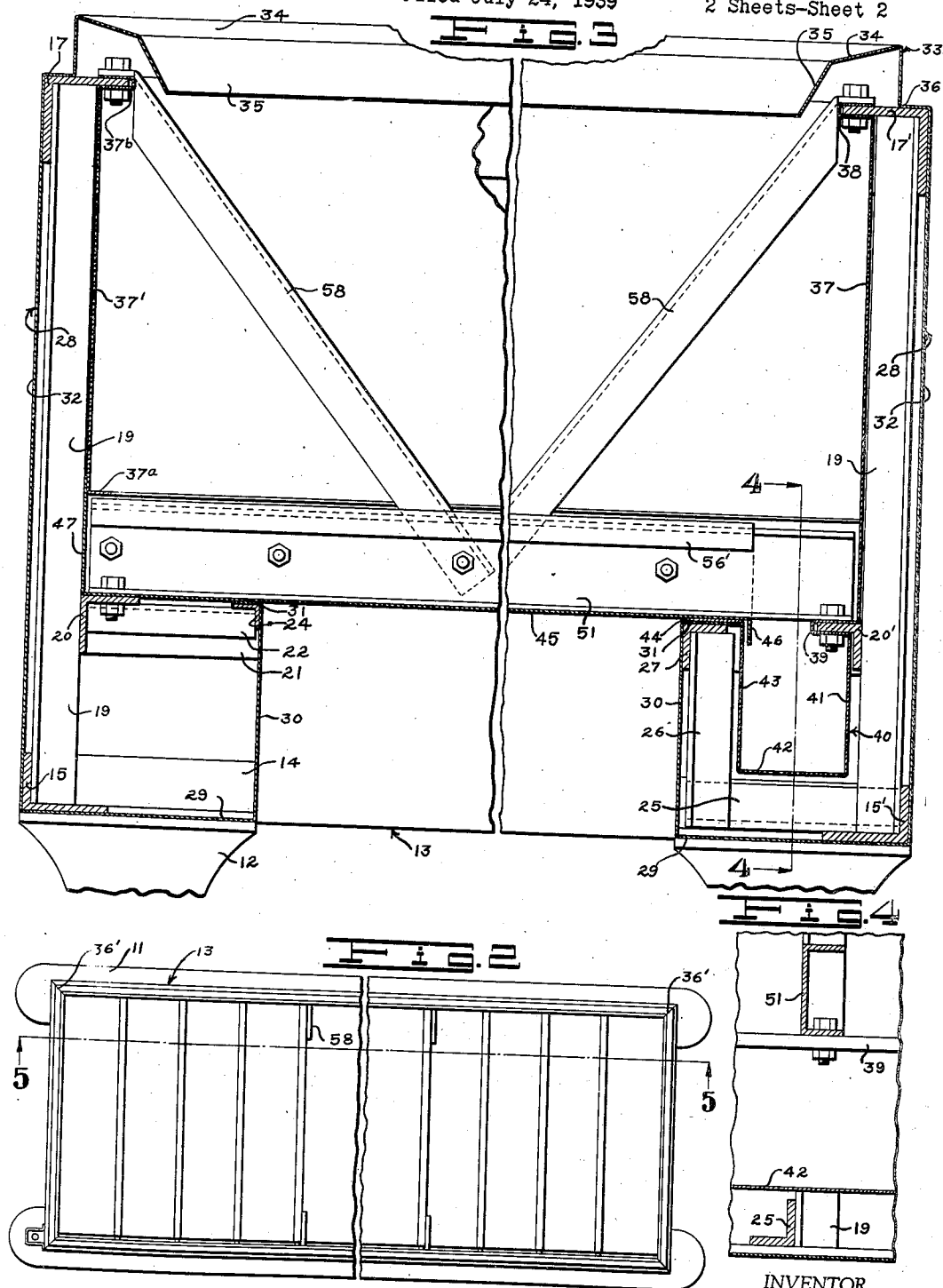
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UNITED STATES PATENT OFFICE

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CANOPY CONSTRUCTION

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Application July 24, 1939, Serial No. 286,209

9 Claims. (Cl. 108—1)

This invention relates to canopies.

The general object of the invention is to provide an improved overhead canopy which is of simple construction yet is sturdy and is of such a nature that it can be quickly erected.

A more specific object of the invention is to provide an improved canopy which is particularly adapted for use as a covering for automobile service stations.

Another object of the invention is to provide a novel frame structure for a canopy.

An additional object of the invention is to provide a novel drain structure for a canopy.

Other objects and the advantages of this invention will be apparent from the following description taken in connection with the accompanying drawings, wherein:

Fig. 1 is a side elevation of a canopy embodying the features of my invention;

Fig. 2 is a top plan view of the canopy;

Fig. 3 is a fragmentary section taken on line 3—3, Fig. 1;

Fig. 4 is a sectional detail taken on line 4—4, Fig. 3; and

Fig. 5 is a fragmentary section taken on line 5—5, Fig. 2.

Referring to the drawings by reference characters I have shown my invention as embodied in a canopy which is indicated generally at 10. The construction as shown includes concrete bases 11 having columns 12 preferably made of pipe thereon.

The canopy includes a body 13 having a horizontally extending lower frame including end members 14 and side members 15 and 15' which are shown as angle iron and which are connected at the corners.

The body also includes an upper frame comprising end members 16 and side members 17 and 17' also shown as angle members and connected at the corners. The lower frame is connected to the upper frame by vertical members 18 at the corners and by spaced members 19 between the corners. Between the upper and lower frame I provide an intermediate frame which includes longitudinal members 20 and 20' spaced from the lower frame and connected to the members 18 and 19 and also includes end members 21 aligned with the members 20 and also connected to the members 18.

The member 20 supports a plurality of horizontally arranged inwardly extending angle members 22. Similar members 23 are supported by the members 21. The inner ends of the members 22 and 23 support angle iron members 24 and 25

respectively. Inwardly extending horizontal members 25 are attached to the member 15' adjacent the vertical members 19. The members 25 support at their inner ends vertical members 26 which in turn support a longitudinal member 27.

A sheathing 28 preferably of relatively thin sheet metal covers the sides and ends of the body 13 and engages and is attached to the members 14, 15, 16, 17, 17', 24, 25 and 27. The sheathing 28 has a horizontal portion 29 and an inner upwardly extending portion 30 surmounted by flanges 31 engaging members 24, 25, and 27. The sheathing 28 further includes side portions 32 surmounted by a rim portion 33 having inwardly and downwardly sloping skirts 34 and 35 and a shoulder 36 engaging the members 16, 17 and 17'. The sheathing 28 is constructed in four portions mitered together at the corners as shown at 36' in Fig. 2. The two end portions of the sheathing and the side of the sheathing adjacent the longitudinal members 15 and 17 are of similar cross-section, while the portion adjacent the members 15' and 17' differs from the above three portions only in that the flange 31 is slightly wider on this portion.

An inner sheathing 37 is attached to the members 17', 20' and 27 and includes an upper bent portion 38 bent to U-shape and engaging the member 17', a bent portion 39 engaging the member 20' and a lower trough portion 40. The trough portion 40 includes a side 41, a bottom 42 and a side 43 surmounted by a flange 44 engaging the flange 31.

As shown in Fig. 5 at each end of the body 13 I arrange a sheet metal tray member 45 which engages the flange 44 and one of the flanges 31 and the members 20 and 21. Each of the members 45 includes a portion 46 downwardly extending into the trough 40 and upwardly extending portions 47 and 48 adjacent the members 20 and 21 respectively. Each of the members 45 further includes an upwardly extending portion 49, opposite the portion 48, and surmounted by a flange 50.

A cross member 51 preferably of channel section engages the portions 49 and 50 of each of the members 45 and at one end engages the bent portion 39 of the sheathing 37 and is secured therethrough to the member 20' and at the other end is secured to the member 20 with the member 45 interposed therebetween.

Other tray members 52, somewhat similar to the tray member 45 are disposed along the inside of the frame 13 and extend between the members 20 and 27. Each of the tray members 52 includes

a side 52' adjacent the member 20, a side 53 surmounted by an outwardly extending flange 54 and a side 55 surmounted by an inwardly extending flange 56 as shown in Fig. 5. The flange 54 has a depending portion 56'.

An inner sheathing 37' engages and is attached to the members 16 and 17 and the sides 47 and 52' of the tray members 45 and 52 respectively. The sheathing 37' includes a lower inwardly extending flange 37a and an upper bent portion 37b engaging the members 16 and 17.

Cross members 57 similar to the cross members 51 engage the portions 55 and 56 and extend between the members 20 and 20' and are secured thereto adjacent the members 19.

Diagonal brace members 58 are secured at suitable intervals to the longitudinal members 17 and 17' and the cross members 57.

The trough 40 at one end extends through the outer sheathing 28 as at 59 and is connected to a drain pipe 60.

It will be seen that water entering the aperture 61 formed by the skirt 35 of the sheathing 28 is caught by the tray members 45 and 52 and delivered to the trough 40 and thence to the drain pipe 60.

Having thus described my invention, I claim:

1. In a canopy, a body including upper and lower frames connected by vertical members, an open topped outer sheathing on said body, an inner sheathing on said body, one of said sheathings including a trough portion on one side, and closure means extending across the frame and communicating with said trough to direct water into the drain.
2. In a canopy, a body including upper, lower and intermediate frames connected by vertical members, support members within said body and spaced from the bottom thereof, an outer sheathing on said body, an inner sheathing on said body and including a lower trough portion on one side, and tray members engaging said intermediate frame and said support members and communicating with said trough portion.
3. In a canopy, a body including upper and lower frames connected by vertical members, support members within said body and spaced from the bottom thereof, an outer sheathing on said body, said sheathing including an outer portion surrounding the frames, a lower portion and an inner portion spaced from the outer portion, and a tray member connecting the inner portions of the sheathing.
4. In a canopy, a body including upper and lower frames connected by vertical members, support members within said body and secured thereto, an outer sheathing secured to each side and each end of said body, an inner sheathing secured to each side and each end of said body and including on one side a trough portion, and transverse tray members within said body and communicating with said trough.
5. In a canopy, a body including upper and lower frames connected by vertical members, an intermediate frame secured to said vertical members and spaced from the lower frame, support members within said body and secured thereto, an outer sheathing secured to each side and each end of said body, an inner sheathing within said body, transverse tray members within said body engaging said intermediate frame and said support members, and cross members engaging said tray members, said intermediate frame and said support members.
6. In a canopy, a body including upper and

lower frames connected by vertical members, an intermediate frame secured to said vertical members and spaced from the lower frame, support members within said body and secured thereto, an outer sheathing secured to each side and each end of said body, an inner sheathing secured to each side and each end of said body and including on one side a trough portion, transverse tray members within said body engaging said intermediate frame and said support members and communicating with said trough, and cross members engaging said tray members, said intermediate frame and said support members.

7. In a canopy, a body including upper, lower and intermediate frames connected by vertical members, a plurality of inwardly extending members secured to one side and the ends of said intermediate frame, support members mounted within the frame, an outer sheathing on said body including an upper inwardly directed skirt and a lower inwardly extending portion with an upwardly extending portion thereon engaging said support members, an inner sheathing within said body and having a trough portion at one side, tray members within said body engaging said intermediate frame and said support members and communicating with said trough portion, and cross members engaging said tray members.

8. In a canopy, a body including upper, lower and intermediate frames connected by vertical members, a plurality of inwardly extending members secured to one side and at the ends of said intermediate frame, support members, said inwardly extending members being connected at their inner ends by said support members, a second plurality of inwardly extending members secured to the opposite side of the lower frame and having upwardly extending members secured to the inner ends thereof, a support member connecting said upwardly extending members, an outer sheathing on said body including an upper inwardly directed skirt and a lower inwardly extending portion with an upwardly extending portion thereon engaging said support members, an inner sheathing within said body and including a trough portion at one side, tray members within said body engaging said intermediate frame and said support members and communicating with said trough portion, and cross members engaging said tray members and said intermediate frame and said support members.

9. In a canopy, a body including upper, lower and intermediate frames, vertical members connecting the frames, said intermediate frame on one side and at the end having horizontally arranged inwardly extending members thereon, support members engaging the inner ends of said horizontally extending members, said lower frame member on the other side having inwardly extending horizontal members thereon, said inwardly extending horizontal members having vertical members secured to the inner ends thereof, a second support member connecting said last mentioned vertical members at the upper ends thereof, an outer sheathing secured to each side and each end of said body and engaging said upper and lower frames and having an upper inwardly directed skirt portion, said sheathing having a lower inwardly extending horizontal portion with an upwardly extending portion thereon terminated by a flange engaging the associated support members, an inner sheathing on the side of said body adjacent said second support member and engaging said intermediate

frame and said second support member, said inner sheathing including a trough portion disposed between said last mentioned longitudinally extending member and said second support member, said trough including a flange engaging said second support member, a plurality of transverse tray members extending between said support members, each of said tray members including a bottom, edge portions and an open side communicating with said trough and a downwardly

extending portion adjacent said trough, a plurality of cross members engaging said edge portions and secured to said intermediate frame, a second inner sheathing covering said ends of said body and said side opposite said trough, said second inner sheathing being secured to said upper frame and engaging said edge portions of said tray members adjacent the ends and sides of said body.

C. H. SPECHT. 10

DISCLAIMER

2,178,975.—*Christian H. Specht*, Los Angeles, Calif. CANOPY CONSTRUCTION.
Patent dated November 7, 1939. Disclaimer filed December 4, 1939, by
the patentee.

Hereby enters this disclaimer to claims 1 and 4 of said patent.
[*Official Gazette December 26, 1939.*]