

No. 675,715.

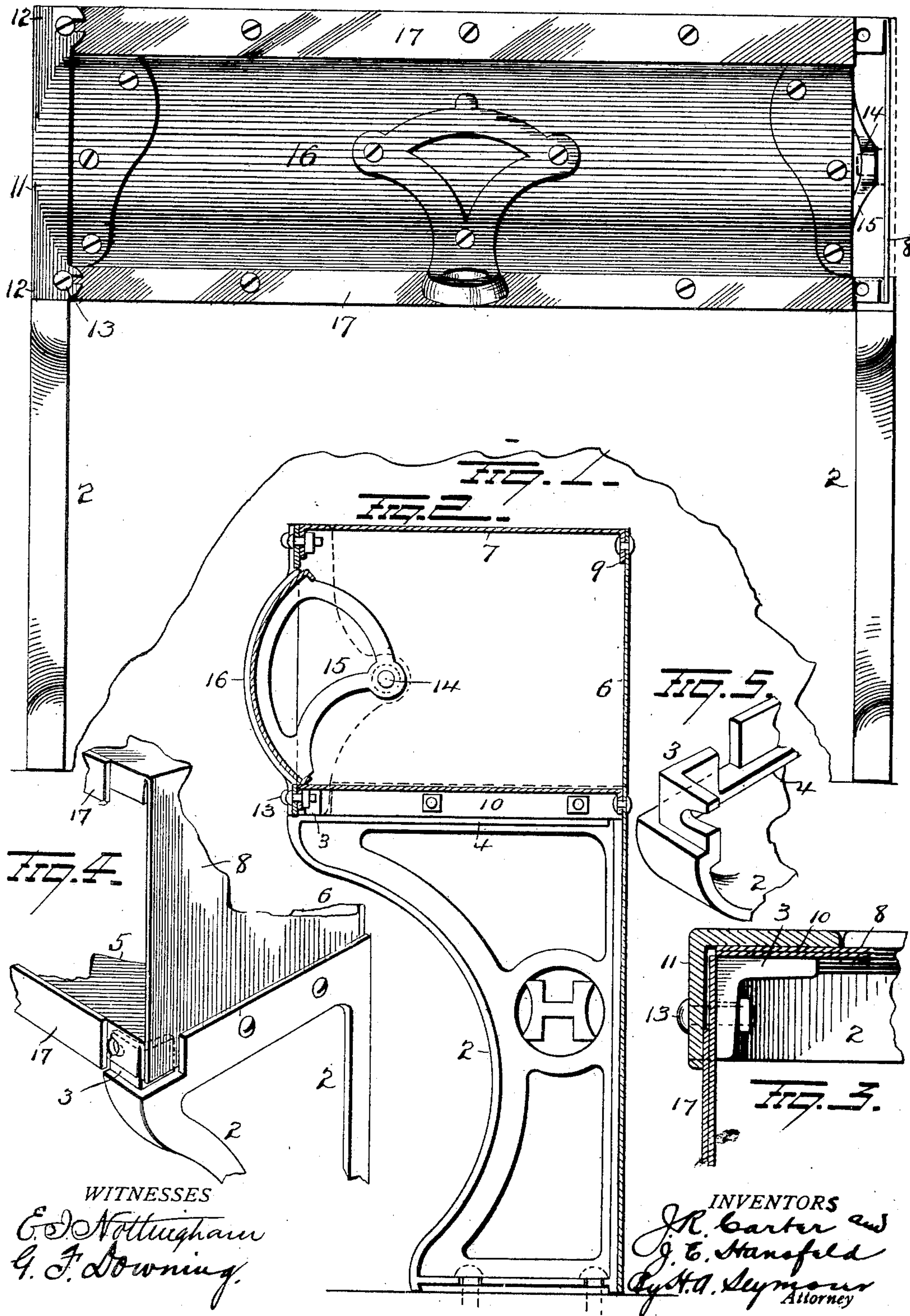
Patented June 4, 1901.

J. R. CARTER & J. E. HAUSFELD.

WARMING OVEN.

(Application filed Dec. 3, 1900.)

(No Model.)



UNITED STATES PATENT OFFICE.

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OF CINCINNATI, OHIO, ASSIGNORS TO ERNST H. HUENEFELD, OF CIN-
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WARMING-OVEN.

SPECIFICATION forming part of Letters Patent No. 675,715, dated June 4, 1901.

Application filed December 3, 1900. Serial No. 38,536. (No model.)

To all whom it may concern:

Be it known that we, JOHN R. CARTER, of Augusta, in the county of Bracken and State of Kentucky, and JOSEPH E. HAUSFELD, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Warming-Ovens; and we 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.

Our invention relates to an improvement in warming-ovens, and more particularly to means for connecting the same and supporting-brackets therefor, the object of the invention being to provide improved means of this character which will greatly strengthen the oven and at the same time give to it an attractive and ornamental appearance.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating our improvements. Figs. 2, 3, and 4 are views in section of the same, and Fig. 5 is a view of a supporting-bracket removed.

1 represents the oven, which comprises an approximately rectangular casing composed, preferably, of sheet metal bent into shape, as will be hereinafter explained. Brackets 2 are provided at each end of the oven for supporting it, each of which is ornamented in any desired manner and made, preferably, with a rolled front edge and provided on their upper forward ends with angular lugs 3, disposed in a vertical plane inside that of the inner face of the brackets and inside that of the outer ends of the brackets, or, in other words, the angular lugs 3 are located on top of the forward ends of the brackets and set back slightly from their outer face and forward ends, and the sides of the brackets project upward higher than the forward end thereof and are provided on their inner face with a horizontal flange 4, alining with the lower end of the lug 3, forming a ledge on

which the oven is supported, as will now be explained.

The oven 1 is preferably made of three plates of sheet metal, one constituting the bottom 5, another the back 6, and the other bent to form the top 7 and ends 8. The top 7 and ends 8 are each bent to form flanges 9, secured to the back 6 by any approved means, and the bottom 5 is made all around its edge with a downwardly-projecting flange 10, the flange at the rear thereof secured to the back 6 and the forward corners of the flanged edge of the bottom disposed over the lugs 3 and the ends 8 and flanged ends of bottom 5 resting on the ledge or flange 4 of the brackets 2, the upwardly-projecting sides of which latter being secured to the ends 8 and the flanged ends of bottom 5 by screws or bolts, as shown. Corner-plates 11, having angular end portions 12, are secured over and to the flanged front corners of bottom 5, ends 8, and lugs 3 by screws or bolts 13, passed through all of said parts, and the outer face of said corner-plates 11 when secured in place will lie flush with the outer face of brackets 2 to give to the same a neat and finished appearance. The upper angular ends of plates 11 are secured over and to the upper forward corners of the oven and to a depending flange on the front edge of the top 7, and said plates are made with inwardly-projecting lugs 14, extending through holes in the end portions 8, to serve as pintles, on which are pivoted brackets 15, carrying a roll or curved door 16 for the oven, mounted to move in outwardly-curved and rounded front portions of plates 11, which hide the rough unfinished ends of the door and by so inclosing the same prevent the escape of heat when the door is closed. Suitable ornamental strips 17 are secured on the flanged front edges of the top 7 and bottom 5, and other ornamentations (not shown and described) may be employed, according to the demands of the trade. It will thus be seen that by locating the lugs 3 back from the front ends and outer side faces of the brackets 2 we are enabled to dispose the flanged ends of bottom 5 and the ends 8 against the inner face of brackets 2 and the outer face of lugs 3, at the same time main-

5 taining the surface of the oven perfectly smooth, and said lugs, owing to their peculiar position and shape, greatly add to its rigidity and strength and at the same time permit the corner-plates 11 to be secured in position to lie flush with the outer face of brackets 2 and give to the ends of the oven the appearance of continuous ornamental brackets extending up over the front corners thereof.

10 Various slight changes might be resorted to in the general form and arrangement of the several parts described without departing from the spirit and scope of our invention, and hence we would have it understood
15 that we do not wish to limit ourselves to the precise details set forth, but consider ourselves at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of our invention.

20 Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of a casing, a separate supporting-bracket, a flange rising from and
25 forming a continuation of the outer wall of the bracket to form an internal ledge for the reception of the casing, and a lug on the upper forward edge of the bracket over the outside of which the corner of the casing is secured.

30 2. The combination with a casing, of a separate supporting-bracket provided at its upper end with an internal ledge for the support of the casing and a flange rising above said ledge outside the casing, said ledge terminating at the forward end of the bracket
35 and a lug at the inner edge of said ledge at the forward end of the bracket and having the casing secured thereto.

40 3. The combination with an angular casing, and a separate supporting-bracket for said casing, of an angular lug on the top face of the bracket conforming to the shape of the corner of the casing and disposed inside of
45 said corner of the casing and a flange rising from the ledge at the top of the bracket as a continuation of the outer wall of the same.

50 4. The combination with a casing and a separate supporting-bracket at one end thereof, of a flange rising from the ledge at the top of the bracket as a continuation of the outer wall of the same and a lug on the upper forward end of the bracket disposed back from the extreme end thereof and inside of the
55 outer face of the bracket, said lug secured inside of the corner of the casing.

5. In a warming-oven, the combination with a casing and a separate supporting-bracket, of depending flanges at the front corners of

the bottom of said casing, a lug on the top
60 of the bracket and located back from the forward end thereof and in a plane inside that of the inner face of said bracket, said lug secured inside said depending flanges
65 and the end pieces of the casing and the latter secured to the bracket, said bracket having a ledge for the casing and a flange disposed alongside the outer face of the casing.

6. In a warming-oven, the combination with
70 a casing and a supporting-bracket, of depending flanged front corners on said casing, a lug on the upper end of the bracket located back from the forward end thereof and in a vertical plane inside that of the inner face
75 of the bracket and over which the flanged corner is secured, and a corner-plate secured over and to the flanged corner and lugs, and disposed flush with the outer face of the bracket.

7. In a warming-oven, the combination with
80 a casing and supporting-bracket, of depending flanges at the front corner of said casing, a lug on the upper end of the bracket secured inside of the flanged corner, a flange or ledge on the inner face of the bracket having a seat
85 for the casing in a plane outside that of the lug, and a flange rising from the outer edge of said seat as a continuation of the outer face of the bracket and lying against the outer face of the casing.

90 8. In a warming-oven, the combination with a casing and a supporting-bracket therefor, of a depending flange at one end and corner of said casing, a ledge on the inner face of the bracket on which said flange rests, a lug
95 on the upper forward end of the bracket over which the flanged corner is secured, screws or bolts passed through said bracket and flange to secure them together and a corner-plate secured over and to the flanged corner
100 and lug and disposed flush with the outer face of the bracket.

9. In a warming-oven, the combination with
105 an approximately rectangular casing and a door therefor, of corner-plates secured to the corners of said casing, lugs on said plates projecting through the ends of the casing and hinges secured to the door and pivoted on said lugs.

In testimony whereof we have signed this
110 specification in the presence of two subscribing witnesses.

JOHN R. CARTER.
JOSEPH E. HAUSFELD.

Witnesses:

GEO. W. CORMANEY,
CHARLES E. PFACE.