

F. R. HENRY.
OVEN DOOR FRAME.
APPLICATION FILED JAN. 14, 1910.

1,044,046.

Patented Nov. 12, 1912.

Fig. I.

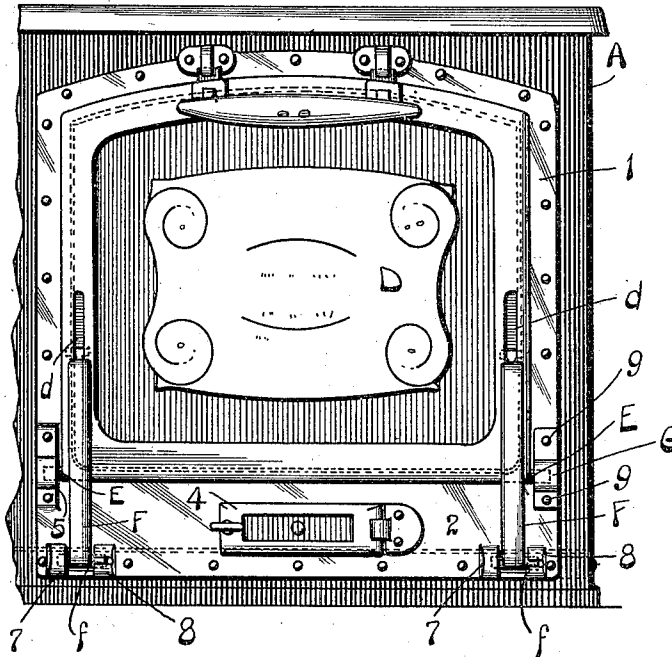


Fig. II.

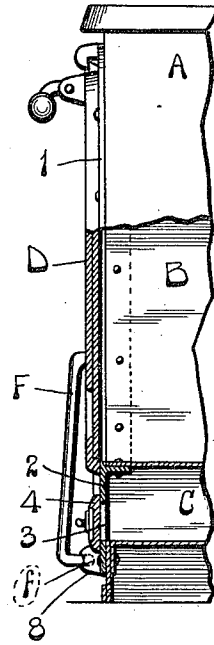
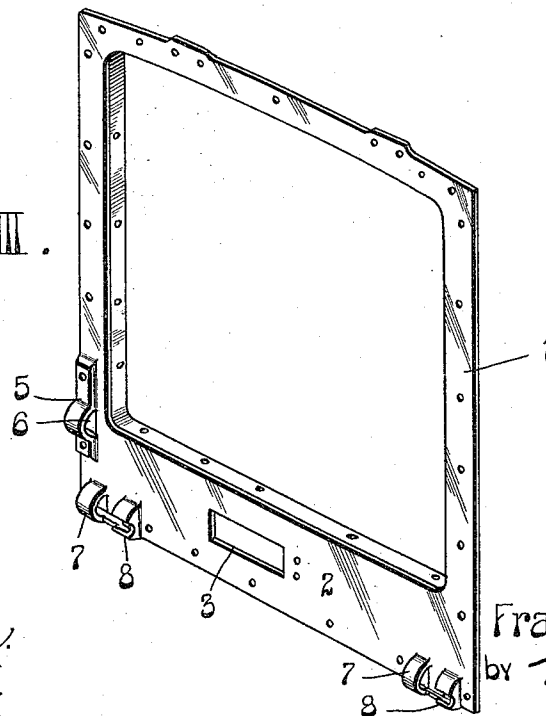


Fig. III.



Attest
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UNITED STATES PATENT OFFICE.

FRANK R. HENRY, OF ST. LOUIS, MISSOURI, ASSIGNOR TO MAJESTIC MANUFACTURING COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION.

OVEN-DOOR FRAME.

1,044,046.

Specification of Letters Patent.

Patented Nov. 12, 1912.

Application filed January 14, 1910. Serial No. 538,080.

To all whom it may concern:

Be it known that I, FRANK R. HENRY, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Oven-Door Frames, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a door frame for supporting the door of a range or cooking stove, and it has for its object the production of a door frame of this kind equipped with door hinging and bracket supporting members cast integral therewith, thereby providing for said members being absolutely rigid upon the door frame and not liable to become loosened or separated from the frame; also to provide within the door frame a clean-out opening that has communication with the oven flue of the range or stove.

Figure I is an elevation of a part of a cooking range with my door frame applied thereto and supporting an oven door. Fig. II is a view, partly in side elevation, and partly in vertical section. Fig. III is a perspective view of the door frame.

In the accompanying drawings:—A designates a cooking range containing an oven B having a doorway and beneath which is a flue C.

D is the oven door adapted to be supported for swinging movement by pintles E, and to be upheld in a horizontal position, when open, by swinging brackets F that are operable at their upper ends in slots d in the door and have pintle heads f at their lower ends.

1 designates my door frame which is rectangular in shape and is applied to the range at the location of the oven doorway. The door frame is made with a lower member 2 that is of materially greater width, or the height of which is materially greater than the width of the side members of the frame, or the width or height of the top member of the frame. The lower member of the frame is therefore of such dimensions that, instead of terminating at the top of the

flue C beneath the oven, as is usual, it extends downwardly to a point beneath said flue and constitutes the front wall of the flue. In the lower member of the frame is a clean-out opening 3 through which accumulations from products of combustion deposited in the flue may be removed and this opening is adapted to be normally closed by a door 4 having hinged connection with the bottom member of the door frame 1. At one side of the door frame and cast integral therewith is a pintle receiving ear 5 having a socket 6 that is adapted to receive one of the pintles E and furnish a rigid support for the pintle. A support for the pintle at its opposite side is provided by the application to the door frame of an ear G made separate from the door frame and secured thereto by suitable means, such as bolts or rivets g, this last named ear being made separate from the door frame to permit of the mounting of the oven door with its pintles inclosed within the ears in a manner that would not be readily acquired by casting both of the pintle receiving ears upon the oven door frame.

7 and 8 are sockets arranged in pairs upon and cast integral with the bottom member 2 of the oven door frame, each pair of sockets comprising one of the sockets 7 and one of the sockets 8. The sockets 7 are blind being open only at their ends that face the sockets 8, while the sockets 8 are open in front. These sockets are adapted to receive the pintles of the pintle heads f at the lower ends of the swinging bracket arms F, one pintle of each of said pintle heads being entered into one of the sockets 7 by passing it endwise therein, while the other mating pintle of the head is inserted into the companion socket 8 through its open front. After the pintles of the pintle heads have been seated in the sockets 7 and 8, the open front of each socket 8 is partially closed by blows of a hammer so that the pintle confined therein will be retained in place.

I claim:

An oven door frame having a pair of hinge sockets cast integral therewith, one of said sockets being open at its end facing the other socket and closed at its opposite

end, and the other socket being closed at
its end farthest removed from the first socket,
and having an open and contractible front
through which a hinge pintle may be intro-
5 duced to be secured from escape from the
socket after contraction thereof.

In testimony whereof, I have hereunto af-

fixed my signature, this 7th day of January,
1910.

FRANK R. HENRY.

In the presence of—

E. B. LINN,

H. G. COOK.

Copies of this patent may be obtained for five cents each, by-addressing the "Commissioner of Patents,
Washington, D. C."
