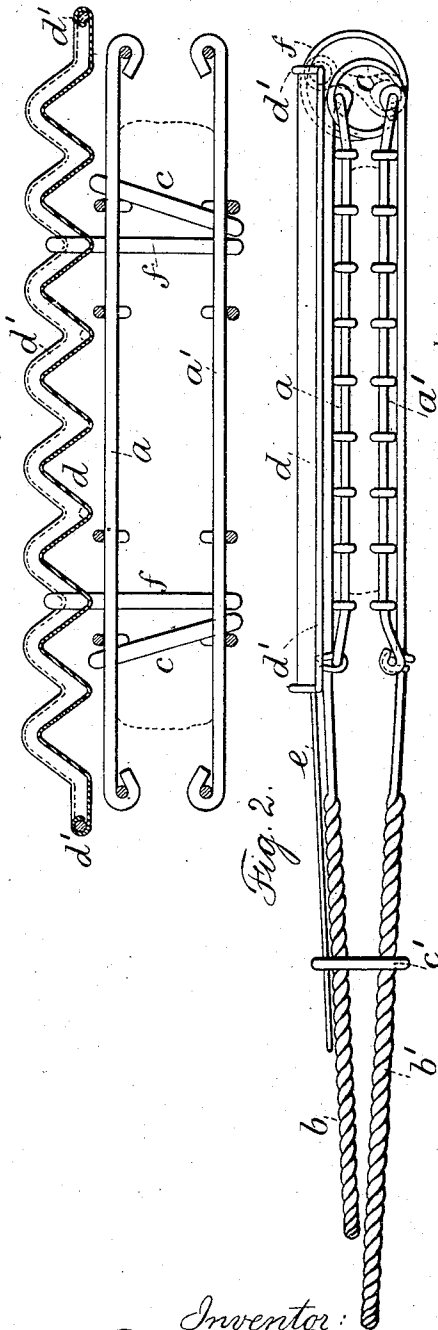
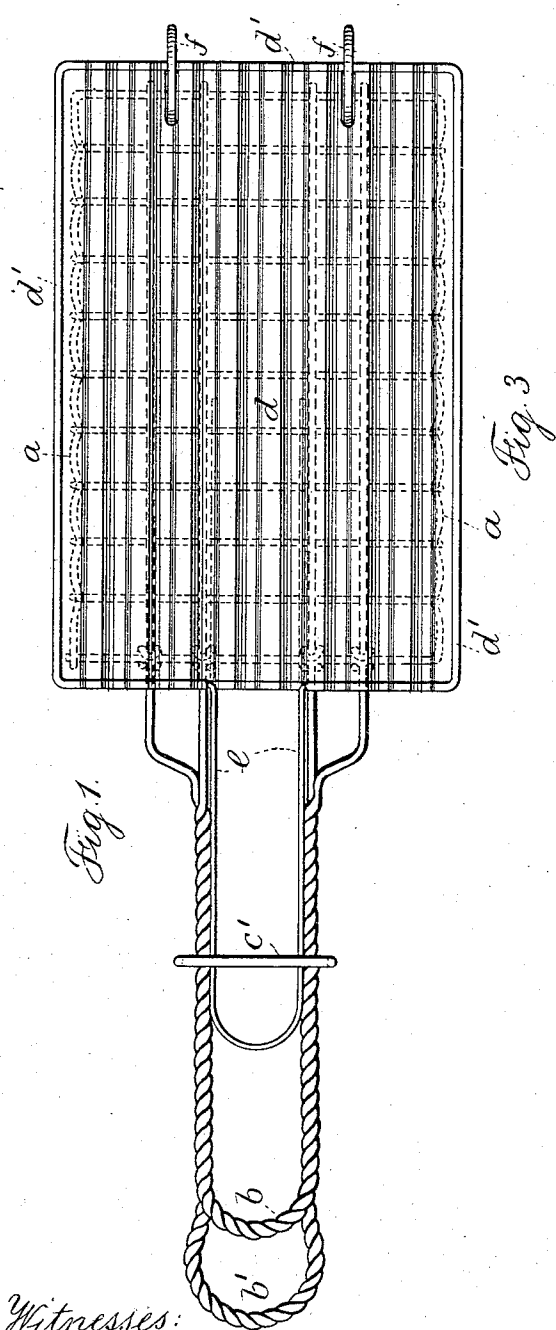


(No Model.)

R. K. LEE.
BROILER.

No. 567,400.

Patented Sept. 8, 1896.



Witnesses:
J. Stait
Chas. H. Smith

Inventor:
Rufus K. Lee
L. W. Serrell & Son

UNITED STATES PATENT OFFICE.

RUFUS K. LEE, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND GERTRUDE L. MARTIN, OF SAME PLACE.

BROILER.

SPECIFICATION forming part of Letters Patent No. 567,400, dated September 8, 1896.

Application filed June 29, 1896. Serial No. 597,322. (No model.)

To all whom it may concern:

Be it known that I, RUFUS K. LEE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Broilers, of which the following is a specification.

Broilers as usually employed consist of two open-work wire frames with handles, the same being connected by rings, and thus adapted to be held together while the meat or other article of food between them is being broiled over the fire.

In the broiling operation the smell or smoke from the broiling usually escapes into the room and is unpleasant; and the object of my invention is to provide the broiler with a cover that shall tend to divert downward the smell and smoke and cause the same to pass under the stove-lids and up the chimney and in that manner escape, so that the same will not be objectionable.

In carrying out my invention I employ in connection with the usual broiling device a cover of corrugated sheet metal, connected at one end to the broiler, and having a handle preferably in line with the handles of the broiler, which handle is secured by the ring employed for connecting together the handles of the broiler, and this cover is adapted to lie flat upon either surface of the broiler as the same is turned over in broiling the opposite sides of the article of food. I prefer to stiffen the edge of the corrugated metal plate or cover by a wire rolled edge, the wire in which may be projected to form the handle, or the handle may be a separate piece.

In the drawings, Figure 1 is a plan view representing my improvement as applied to a broiler. Fig. 2 is a side elevation of the same, and Fig. 3 is a cross-section in larger size.

The broiler, as usual, comprises the open-work wire frames *a a'*, having handles *b b'*, with ring-connectors *c*, and a slip-ring *c'* around the handles, and as the same is of usual construction no further description is necessary. The plate or cover of corrugated sheet metal is represented at *d*, and the same is preferably slightly larger than the open-work frames of the broiler, and I have shown

and prefer to make the corrugations run lengthwise. These corrugations may be of V or wavy form in cross-section. I have shown and prefer to employ a wire rolled edge *d'* to said plate, the same extending all around the edges of the plate, except at the place where said wire projects to form the handle *e*. This wire rolled edge stiffens the cover-plate, especially in a transverse direction, and also strengthens the edge where said plate is perforated for the connecting-rings *f* or other equivalent devices. These rings *f* may be large enough to pass around the two back wires of the broiler-frames *a a'*, as well as the back wire of the cover-plate *d*, because the turning action will thereby be facilitated when it is necessary to turn the broiler over, and in so doing to swing the cover *d* from one side of the broiler to the other, this being accomplished by sliding the ring *c'* along the handles and grasping the handle *e* of the cover and turning the same and the cover around to the other side and sliding the ring *c'* over said handle. The rings *f* are preferably employed when the cover-plate is made and sold as part of a new broiler, but where the cover-plates are connected upon old broilers I prefer to use swivel snap-hooks, or equivalent means, to removably connect the cover-plate to one of the wire frames, the same being long enough to allow for the turning of the cover-plate *d* to either side of the frames. Instead of the handle *e* being a continuation of the wire of the rolled edge of the cover-plate, the same may be a separate piece extending from the bottom of two corrugations in the cover and connected in any desired manner, as shown by dotted lines.

In use the broiler is usually at or near the level of the top of the stove, and the corrugated cover-plate confines the smoke and smell from the broiling operation, and the corrugations act as flues along which the smoke and smell pass to the ends of the plate and away freely, and are drawn down with the products of combustion across through the stove and up the chimney, and so escape.

I claim as my invention—

1. The combination with a broiler comprising two open wire frames and their handles and ring connections and between which the

- material to be broiled is placed, of a cover-plate of corrugated sheet metal above and adjacent to the outer surface of one wire frame, a handle for said corrugated plate and connections therefrom to the broiler-frame whereby the smoke and smell of cooking are arrested, confined and pass freely from the ends of the corrugations, substantially as and for the purposes set forth.
- 10 2. The combination with a broiler comprising two open wire frames and handles and connections, of a cover-plate of corrugated sheet metal, a handle therefor and connections therefrom to the broiler-frames whereby
- 15 by said cover is adapted to be swung over so as to cover either side of the broiler, substantially as specified.

3. The combination with a broiler comprising two open wire frames, handles and ring connections therefor, of a cover-plate of corrugated sheet metal, a wire rolled edge thereto to stiffen the same, and a handle projecting in line with the broiler-handles, and connections such as rings passing through the said cover-plate and engaging the open-work wire frames of the broiler whereby the cover is adapted to be swung over so as to cover either side of the broiler, substantially as specified.

Signed by me this 25th day of June, 1896.

RUFUS K. LEE.

Witnesses:

GEO. T. PINCKNEY,
S. T. HAVILAND.