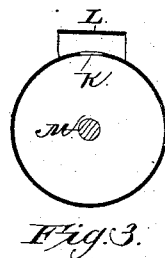
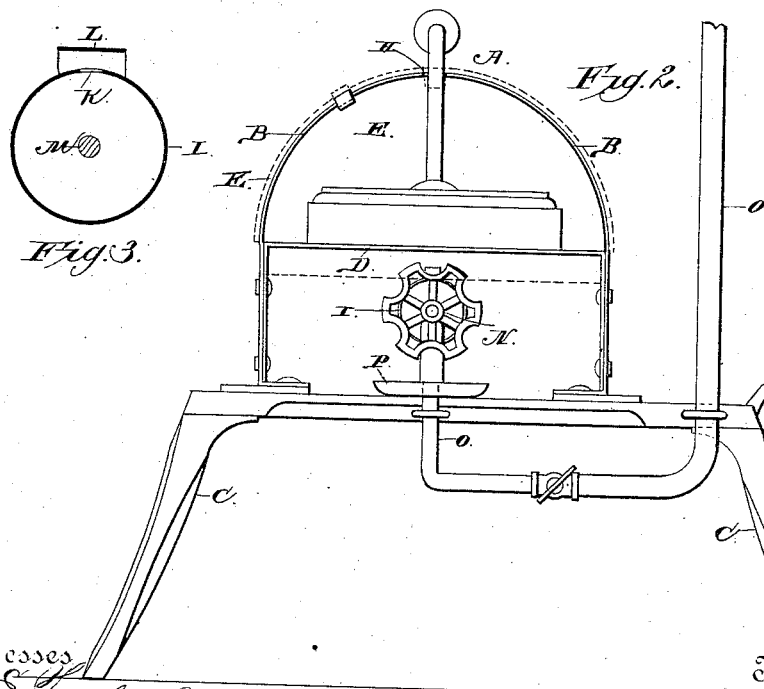
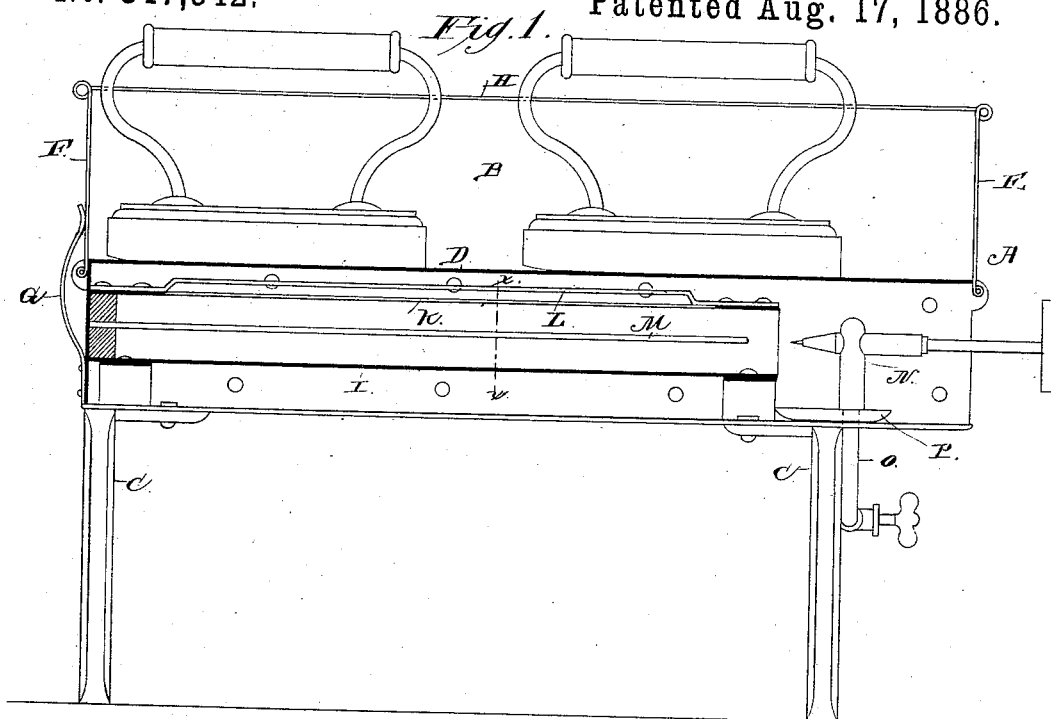


(No Model.)

E. WESTENHAVER.  
OVEN FOR HEATING FLAT IRONS.

No. 347,542.

Patented Aug. 17, 1886.



Witnesses  
*M. Fowler*  
*J. W. Warner*

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By his Attorneys  
*C. A. Snowden*

# UNITED STATES PATENT OFFICE.

EDWARD WESTENHAVER, OF SHELBYVILLE, ILLINOIS, ASSIGNOR OF ONE-HALF TO FRANCIS M. STURGIS, OF SAME PLACE.

## OVEN FOR HEATING FLAT-IRONS.

SPECIFICATION forming part of Letters Patent No. 347,542, dated August 17, 1886.

Application filed March 30, 1886. Serial No. 197,191. (No model.)

### *To all whom it may concern:*

Be it known that I, EDWARD WESTENHAVER, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Illinois, have invented a new and useful Improvement in Ovens for Heating Flat-Irons, of which the following is a specification, reference being had to the accompanying drawings.

My invention is an improvement in ovens for heating flat-irons; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a vertical longitudinal sectional view of my invention. Fig. 2 is an end elevation of the same. Fig. 3 is a detail transverse sectional view taken on the line *xx* of Fig. 1.

A represents an oven, which is formed of convex sides B, which are made of sheet metal and approach each other at their upper edges, and are supported upon feet C.

D represents a longitudinal partition board or sheet, which divides the oven into an upper and a lower compartment and extends horizontally therein. The upper compartment of the oven is provided with hinged doors E and F. The door E is provided with a spring-catch, for securing it on the end of the oven when closed, and the door F is provided with a bearing-spring, G, which keeps it normally closed against the opposite end of the oven.

The upper edges of the sides of the oven, which approach each other but do not come in contact, form a longitudinal slot or opening, H, in the upper side of the oven, which extends throughout the entire length thereof.

In the lower compartment, at a suitable distance below the bottom sheet, D, is secured a longitudinal tube, I, which is made of sheet metal, and has one end closed and secured to one end of the oven and the opposite end open. This tube is provided on its upper side with a longitudinal slot or opening, K, which is covered by a deflecting-plate, L, which is supported at a suitable distance above the said opening, and extends throughout the length of the tube. Through the center of the tube I extends a conducting-rod,

M, which is made of any suitable conducting metal.

N represents a gasoline or vapor burner, of the usual construction, which is secured in one end of the lower compartment of the oven, the needle thereof extending toward and aligning with the longitudinal center of the tube I. A pipe, O, extends from a suitable reservoir to the burner N, and the latter is provided with the usual drip-cup, P.

The operation of my invention is as follows: The flat-irons to be heated are placed in the upper compartment of the oven, resting on the sheet D, which forms the bottom thereof, and the standards of the handles project up through the longitudinal opening H in the upper side of the oven, whereby the handles of the irons are not subjected to the heat of the oven, and are thus prevented from becoming too hot, and it also enables the irons to be readily placed in or removed from the ovens. The gasoline or vapor is ignited at the burner, and the flame therefrom extends through the tube I, being conducted throughout the length of said tube by the rod M, thus causing the said tube to be heated equally at all points. The flame rises from the conducting-rod throughout the length of the tube through the opening K on the upper side thereof, and is deflected and expanded by the deflecting-plate L, thereby causing the oven to be heated uniformly throughout its length.

Having thus described my invention, I claim—

1. The heating-oven having the upper compartment to receive the irons, the lower compartment, the burner, and the tube I in the said lower compartment, the tube being provided with the rod M, extending through it and in line with the orifice through which the vapor escapes, substantially as described.

2. The combination, with the burner, of the tube I, having one end communicating therewith, and provided with the rod M, extending throughout the length of the tube in line with the orifice through which the vapor escapes, for conducting the flame from the burner through the tube, substantially as described.

3. The combination, with the burner, of the tube I, having one end communicating therewith, the said tube being provided with the

conducting-rod M, in line with the orifice through which the vapor escapes, and the opening K, for the purpose set forth, substantially as described.

5 4. The combination, with the burner, of the tube I, having one end communicating therewith, said tube being provided with the conducting-rod M, in line with the orifice through which the vapor escapes, and the opening K,  
10 and the deflecting-plate L, above the said open-

ing, for the purpose set forth, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EDWARD WESTENHAVER.

Witnesses:

JAMES L. BIVINS,

ROBERT GILLELAND.