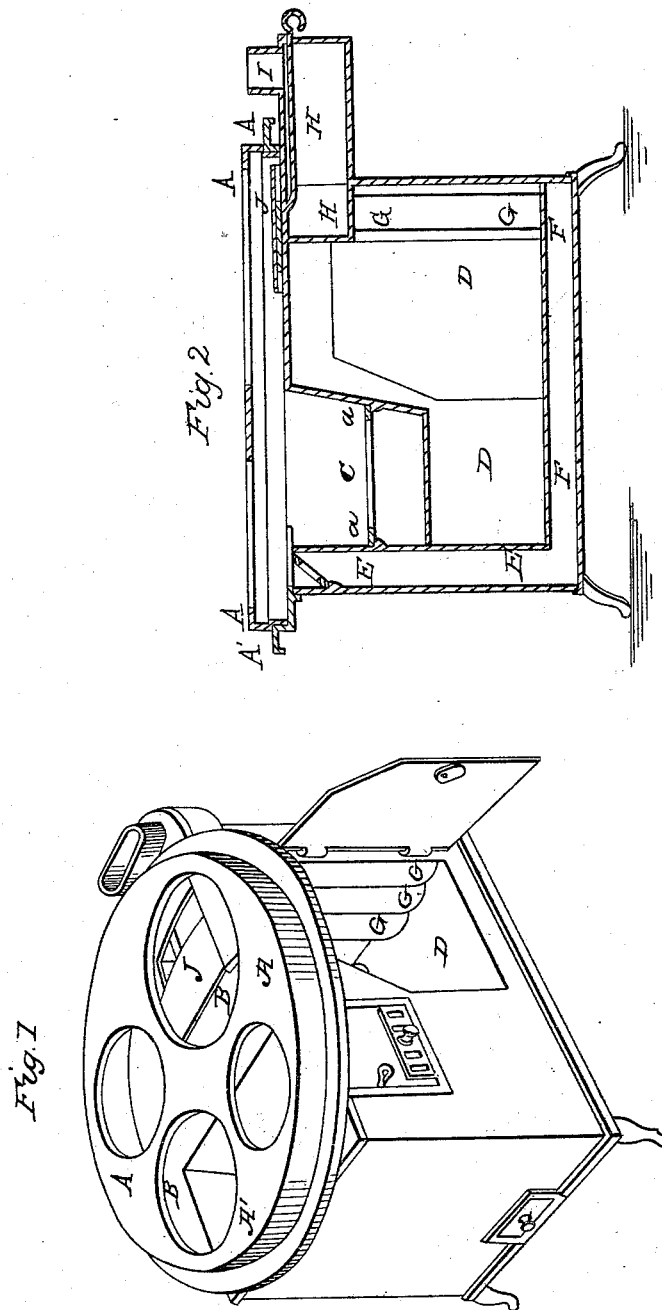


H. STANLEY.  
Cooking Stove.

No. 4,238.

Patented Oct. 25, 1845.



# UNITED STATES PATENT OFFICE.

HENRY STANLEY, OF WEST POULTNEY, VERMONT.

## ROTARY-TOP STOVE.

Specification of Letters Patent No. 4,238, dated October 25, 1845.

*To all whom it may concern:*

Be it known that I, HENRY STANLEY, of West Poultny, in the county of Rutland and State of Vermont, have made certain new and useful Improvements in the Manner of Constructing Rotary-Top Cooking-Stoves, for which stove Letters Patent of the United States were originally granted unto me on December 17, 1832; and I do hereby declare that the following is a full and exact description of the stove as now improved by me.

In the accompanying drawing Figure 1, is a perspective view of my stove, and Fig. 2, a vertical section thereof through the middle, from front to back.

A, A, is the rotary top, which I now make without the elevated collars formerly used by me around the boiler holes, B, B; using, instead thereof, an elevated rim, A', A', by which said top is surrounded.

C, is the fire-chamber in which either coal or wood may be burned. When coal is used, a grate is to be inserted, as at *a, a*.

D, D, is the oven which occupies the whole area of the bottom of the stove, with the exception of the flue spaces at front and back.

E, E, is the front, or descending, flue, which leads to the flue space, F, F, below the oven, and this to an ascending flue, or rather to a series of tubular flues, G, G, at the rear end of the stove, such flues tending greatly to increase the heat at the back of the oven. The rear flue, or flues, lead into the chamber H, and to the exit pipe I, at the back of the stove.

J, is a damper, or sliding shutter, which

when open allows a direct draft to the exit pipe, and the closing of which forces the draft to pass through the flues E, F, and G. When the damper, J, is closed, and there is not, consequently, any draft under the boilers at the rear of the stove, the radiated heat from the fire is found sufficient to keep the fluid in the boilers in a constant state of ebullition. The direct advantage of employing the rotary top on a stove having the fire-chamber, flues, damper and oven arranged as set forth, is the facility with which either of the boilers may be brought directly over the fire when the damper is closed, and the draft under the boilers is consequently cut off; allowing either of them, also, to be placed in the situation least exposed to the direct action of the fire.

Having thus fully described the manner in which I now construct my rotary-top stove, what I claim as new therein and desire to secure by Letters Patent, is—

The combining with a stove furnished with a rotary top, an oven occupying the whole area of the lower part of the stove, and furnished with flues arranged and governed in the manner herein set forth. I do not claim either the manner of forming the oven, or of arranging the flues, as in itself new, but I claim them only in their combination with the rotary-top stove, by which that stove is rendered much more convenient and efficient than under any former construction thereof.

HENRY STANLEY,

Witnesses:

THOS. P. JONES,  
EDWIN L. BRUNDAGE,