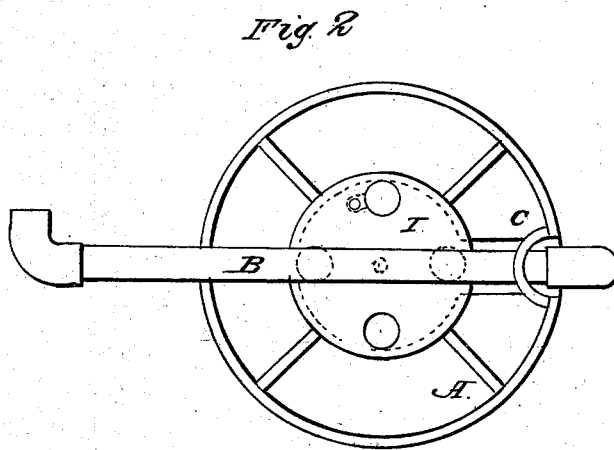
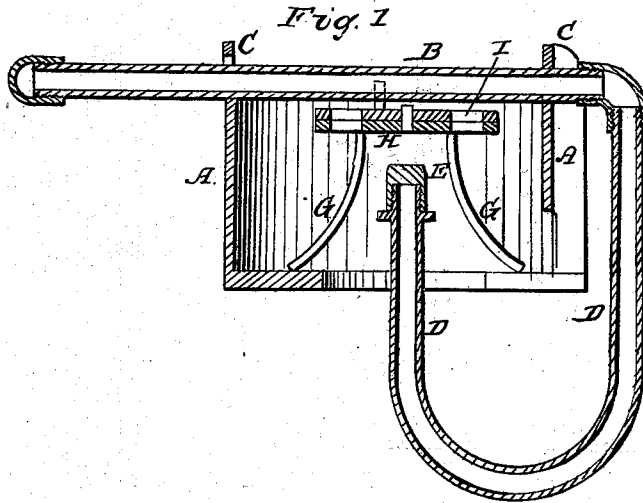


A. ADAMS.  
Vapor Stove.

No. 104,531.

Patented June 21, 1870.



Witnesses  
J. W. Ellis  
J. White

Inventor  
A. Adams  
Per  
J. H. Alexander  
Atty

# United States Patent Office.

AMOS ADAMS, OF STURGIS, MICHIGAN.

Letters Patent No. 104,531, dated June 21, 1870.

## GAS HEATER.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, AMOS ADAMS, of Sturgis, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Gas or Vapor-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "gas or vapor-stove," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a longitudinal vertical section, and

Figure 2 is a plan view of my stove.

A represents the stove, across which is laid the pipe B, said pipe passing through loops C C formed on the upper edges of the stove, so that it can be moved from end to end whenever necessary. The pipe B is at one end to be connected with the reservoir containing the gasoline or other suitable fluid for generating the gas.

At the other end of the pipe B is attached a pipe, D, which leads downward and is then curved inward and upward, coming up directly in the center of the

stove A, and is at this end provided with a burner, E. The side of the stove where the pipe D descends is provided with a recess, so that the said pipe, with the pipe B, may be moved to bring the burner E to either side of the center, as may be desired.

Above the burner E, in the center of the stove, on legs G G, is supported a plate, H, having a series of holes through it, and on top of this plate is pivoted another plate, I, similarly perforated. This upper plate can be turned on its pivot, so as to allow more or less of the heat to pass up through the center.

The plates or grates H I are situated directly beneath the pipe B, so as to generate the gas for supplying the burner, and any vessel may be placed on the stove for cooking or heating.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the stove A, loops C C, pipes B D, burner E, supports G G, and perforated plates or grates H I, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

AMOS ADAMS.

Witnesses:

R. HENRY MORRISON,  
WM. A. KENT.