

J. H. MAYDOLE.

Foot Stove.

No. 24,813.

Patented July 19, 1859.

Fig. 1,

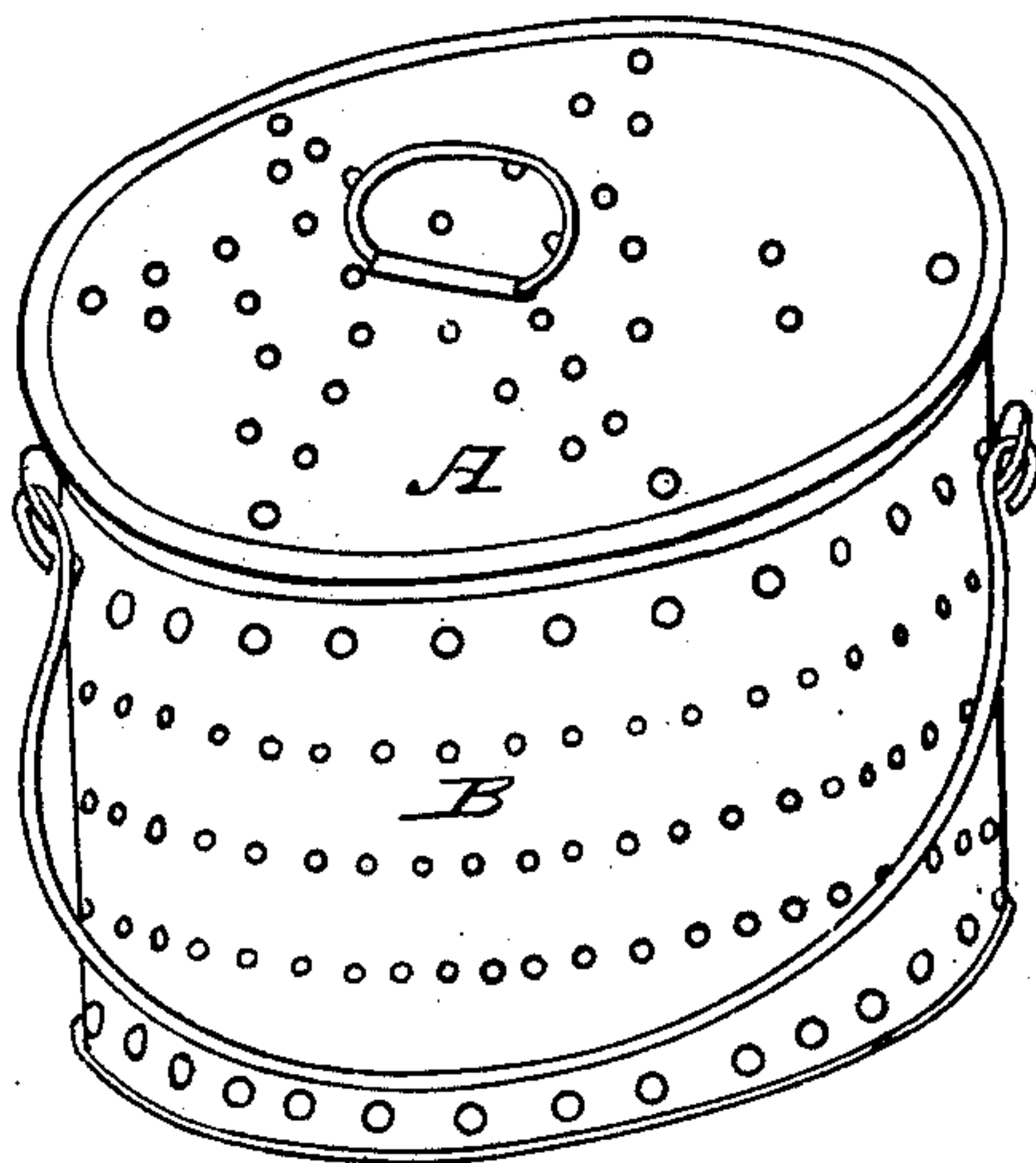
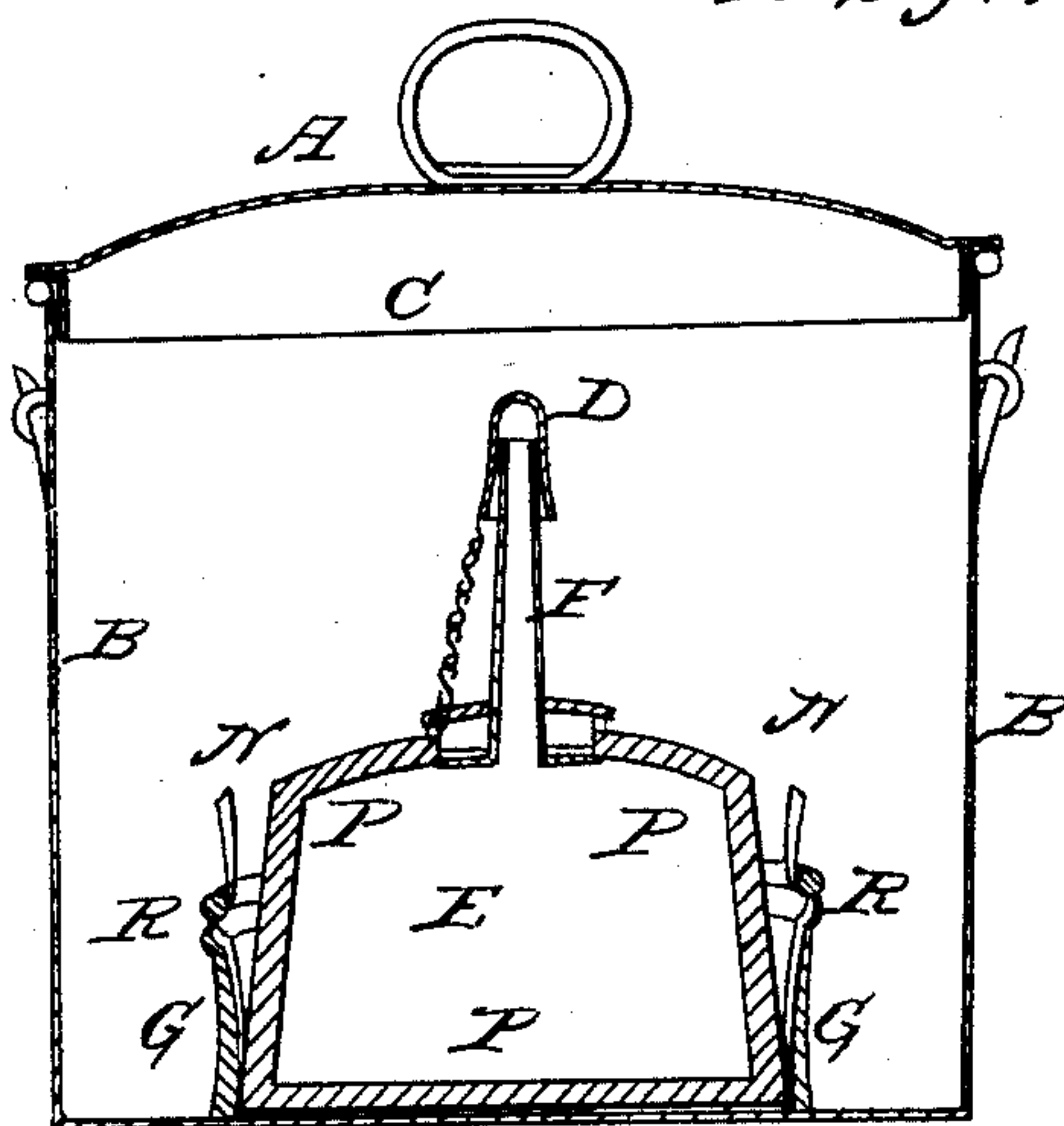


Fig. 2,



WITNESSES:

A. W. Morse
John T. Whitney.

INVENTOR:

James H. Maydole

UNITED STATES PATENT OFFICE.

JAMES H. MAYDOLE, OF EATON, NEW YORK.

FOOT-STOVE.

Specification of Letters Patent No. 24,813, dated July 19, 1859.

To all whom it may concern:

Be it known that I, JAMES H. MAYDOLE, of Eaton, in the county of Madison and State of New York, have invented a new and useful Improvement in Foot-Stoves; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a sectional elevation of my improved foot stove taken directly through the center.

To enable others skilled in the art to fully understand and construct my invention I will proceed to describe it.

The nature of my invention consists in combining in a foot stove the following principal parts, viz., a lamp E constructed with a chamber or intermediate space filled with plaster of paris or its equivalent as shown at P, Fig. 2, whereby I am enabled to keep the fluid contained therein at a low temperature and thereby prevent explosion. Also above said lamp and in contact with the flame thereof I use a solid plate C as a radiator of heat. The perforated top A is sufficiently elevated above plate C, to prevent said top from becoming heated to such a degree as to injure any substance that may come in contact therewith.

Immediately below plate C, in the main body or outside of said stove I make a suitable number of perforations to allow the heated air to pass out. The exact number of perforations to effect this object cannot be specified, as this will depend on the size of the stove. In a stove containing one cubic foot twenty five perforations of three eighths of an inch and the same number at or near the bottom or their equivalents will

be found to answer. At the bottom and near the center of said stove is a ring G, G, of suitable size to receive the lamp E. To prevent said lamp from being displaced I attach to the side thereof two springs N, N, which said springs press under and against the upper side of said ring as seen at R, R, Fig. 2.

F is a tube of ordinary construction; D, the extinguisher; B, the outside of the stove; A, the top; its form is not material but may be made to suit the views of different constructors.

As a fluid for heating purposes I deem alcohol best but do not confine myself to its use exclusively.

Very great advantages are derived by the use of my improved foot stove as a warming device while traveling as by its use a sufficient heat may be produced at pleasure to keep the lower extremities warm combining cheapness safety and convenience in a greater degree than in any other foot stove known to the subscriber.

Having thus fully described my invention what I claim as my invention and desire to secure by Letters Patent is—

In combination with a foot stove, the several parts thereof being arranged in the order specified, the employment of a lamp constructed with an intermediate space P, filled with plaster of paris or the equivalent thereof whereby I am enabled to prevent the heating of fluid contained therein for the uses and purposes herein set forth.

The above specification of my improvement in foot stoves signed and witnessed this twenty fourth day of May 1859.

JAMES H. MAYDOLE.

Witnesses:

A. W. MORSE,

JOHN T. WHITNEY.