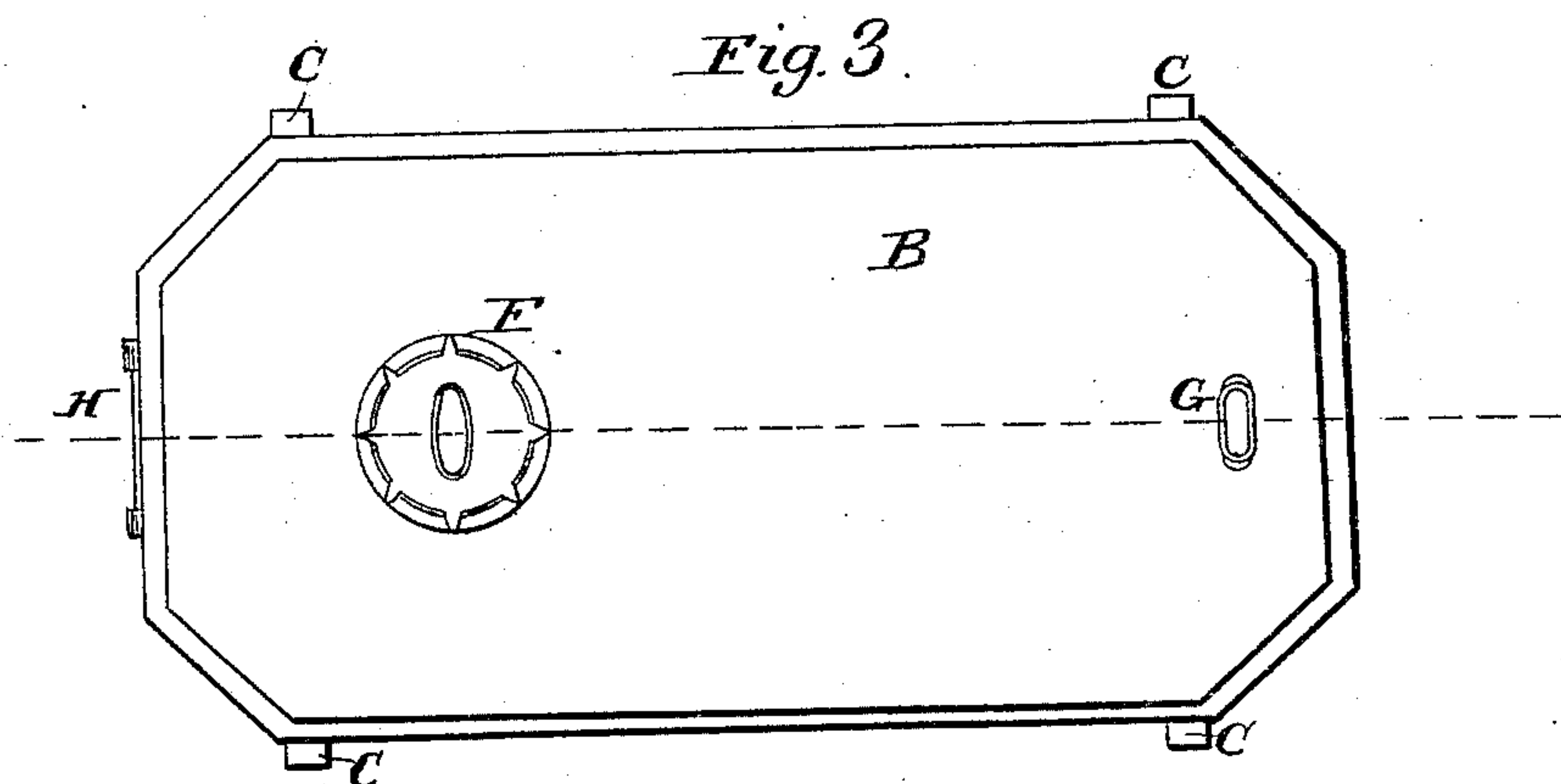
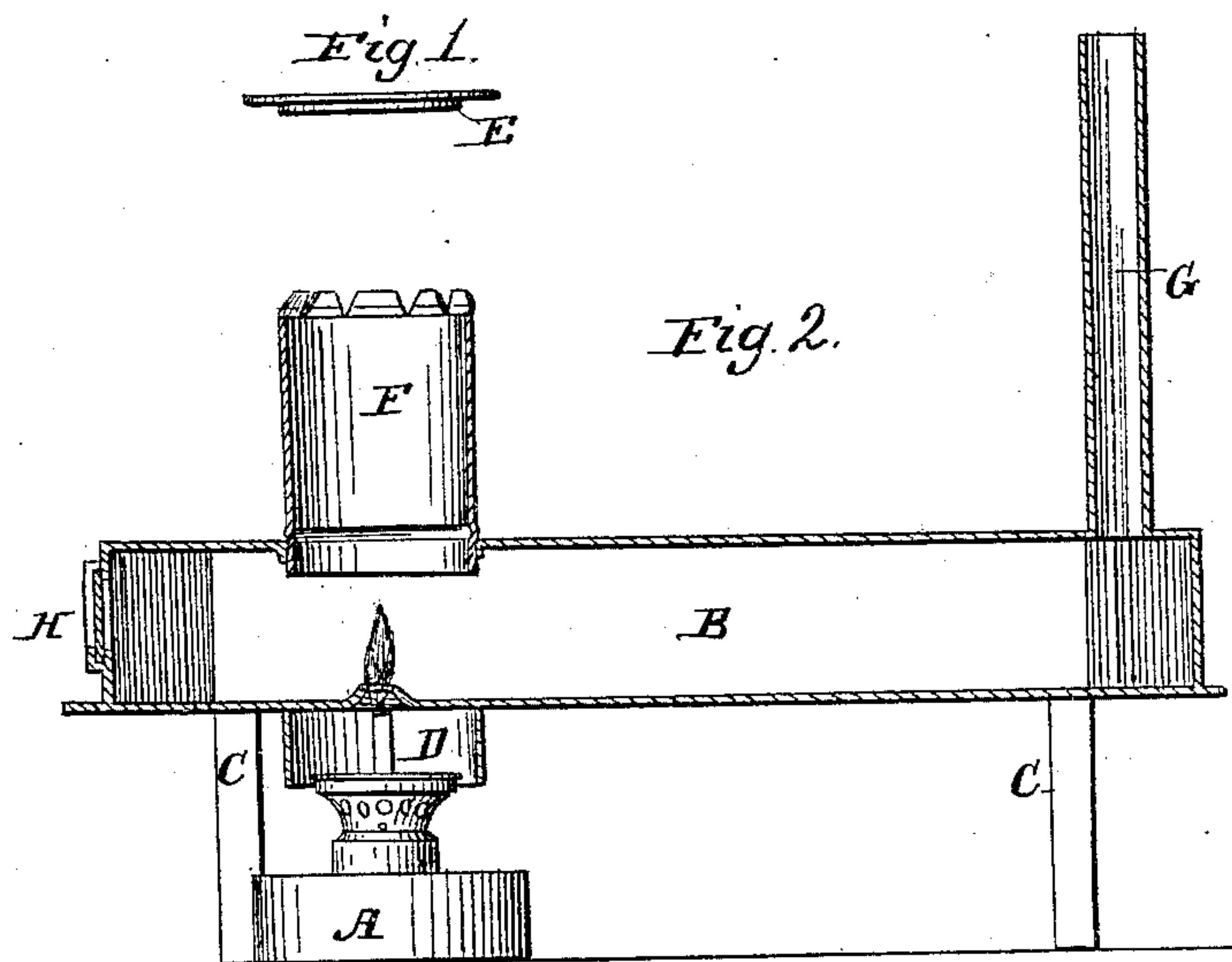


S. P. HILDRETH.
Lamp Stove for Dentists.

No. 58,822.

Patented Oct. 16, 1866.



Witnesses:

J. M. B. Long
Wm. Brown

Inventor:

S. P. Hildreth
Per Munn & Co
Attys

UNITED STATES PATENT OFFICE.

S. P. HILDRETH, OF MOUNT VERNON, OHIO.

LAMP-STOVE FOR DENTISTS.

Specification forming part of Letters Patent No. 58,822, dated October 16, 1866.

To all whom it may concern:

Be it known that I, S. P. HILDRETH, of Mount Vernon, in the county of Knox and State of Ohio, have invented a new and useful Improvement in Stoves for Dentists; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an edge view of the plate that covers the hole in which the vulcanizing-jacket is placed when said jacket is removed. Fig. 2 is a vertical longitudinal section through the line *xx*, Fig. 3. Fig. 3 is a top or plan view of my improved stove.

Similar letters of reference indicate like parts.

My invention has for its object the furnishing a stove for the use of dentists, for packing rubber, vulcanizing, &c.; and it consists in combining a jacket for holding the vulcanizing-flask with a stove, constructed as hereinafter more fully described.

A is the lamp, which is five inches in diameter, one and a half inch deep, and has a wick two and a half inches wide, and its tube is two and a half inches in height above the top of the lamp.

B is the body of the stove, which is fourteen inches long, seven inches wide, and two and a half inches deep. The stove is supported on legs C, of such a length as will raise the stove to the proper height for receiving the lamp A beneath it. The lamp A is placed beneath the forward end of the stove, and directly above said lamp there is attached to the bottom of said stove a collar, D, within which enters the top of the lamp, as shown.

The bottom of the stove within the collar

D is perforated for the passage of the flame of the lamp; and the said bottom within the said collar is struck up into the proper shape for directing the air against the flame, so as to give a good shape to the flame and insure combustion. Directly above the perforation for the lamp-flame in the top of the stove is formed a circular hole four and a half inches in diameter. When the stove is not in use as a vulcanizer, this hole may be covered with the plate E; but when used for vulcanizing, the plate E is removed and replaced by a jacket, F. This jacket fits into the hole in the top of the stove, and is four and a half inches in height. The upper edge of this jacket is scalloped and bent inward, as shown in Fig. 2. This jacket holds the vulcanizing-flask when the apparatus is used for vulcanizing.

To the rear end of the stove B is attached a pipe, G, in the usual way. This pipe is seven inches in height, is made oval, the longer diameter being two and a half inches, and the shorter diameter one inch.

H is a piece of glass covering an opening in the front of the stove, to enable the flame of the lamp to be seen and regulated.

The dimensions given are suitable for a two-piece vulcanizer; but they can of course be varied to answer the requirements of each case.

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

The jacket F, in combination with the body B of the stove, having collar D and pipe G, substantially as described, for the purpose specified.

S. P. HILDRETH.

Witnesses:

N. MERRILL,
I. M. CAYCE.