

No. 678,079.

Patented July 9, 1901.

T. A. WILLIAMS.
FLUE FOR STILL.

(Application filed Mar. 7, 1901.)

(No Model.)

Fig. 1.

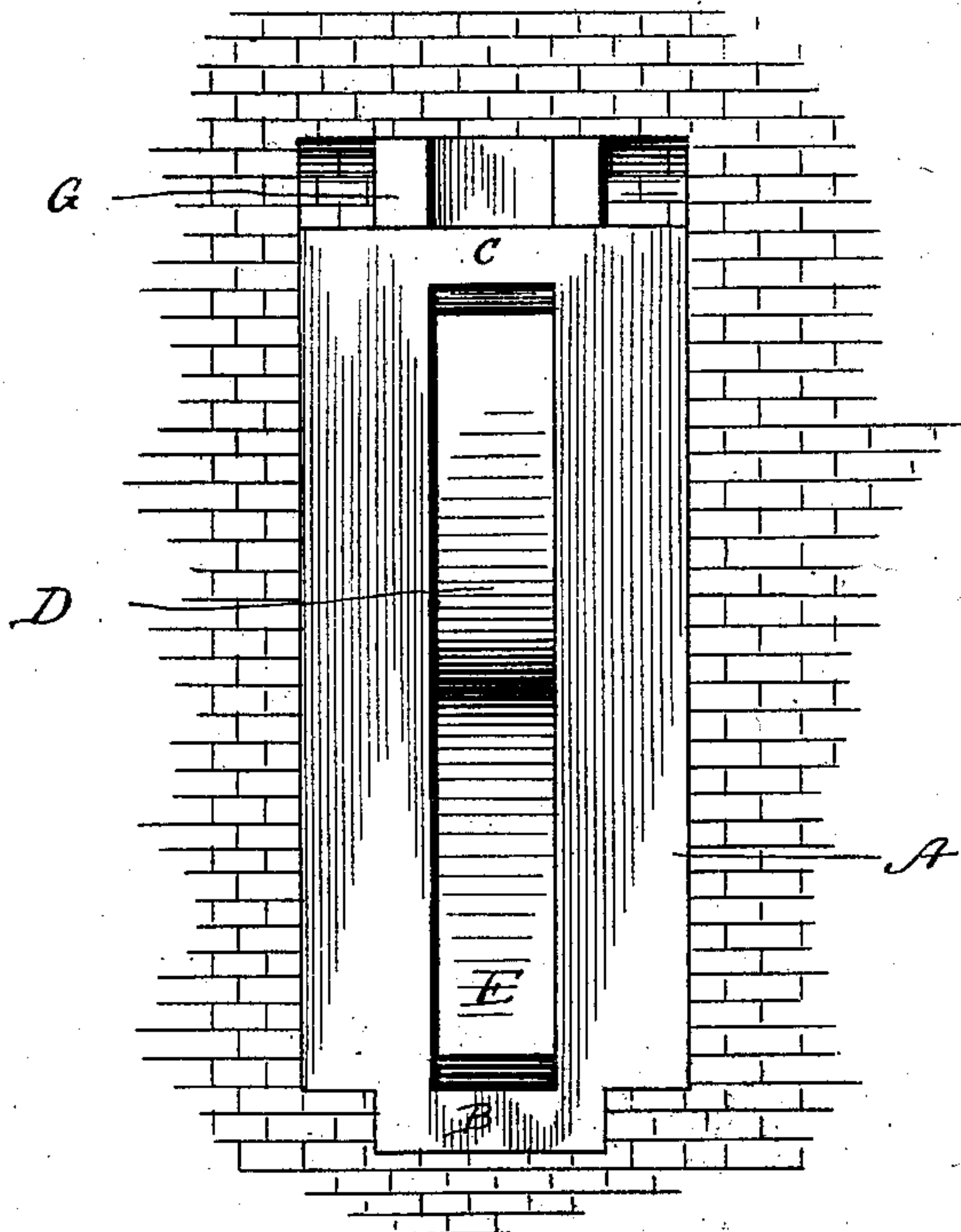
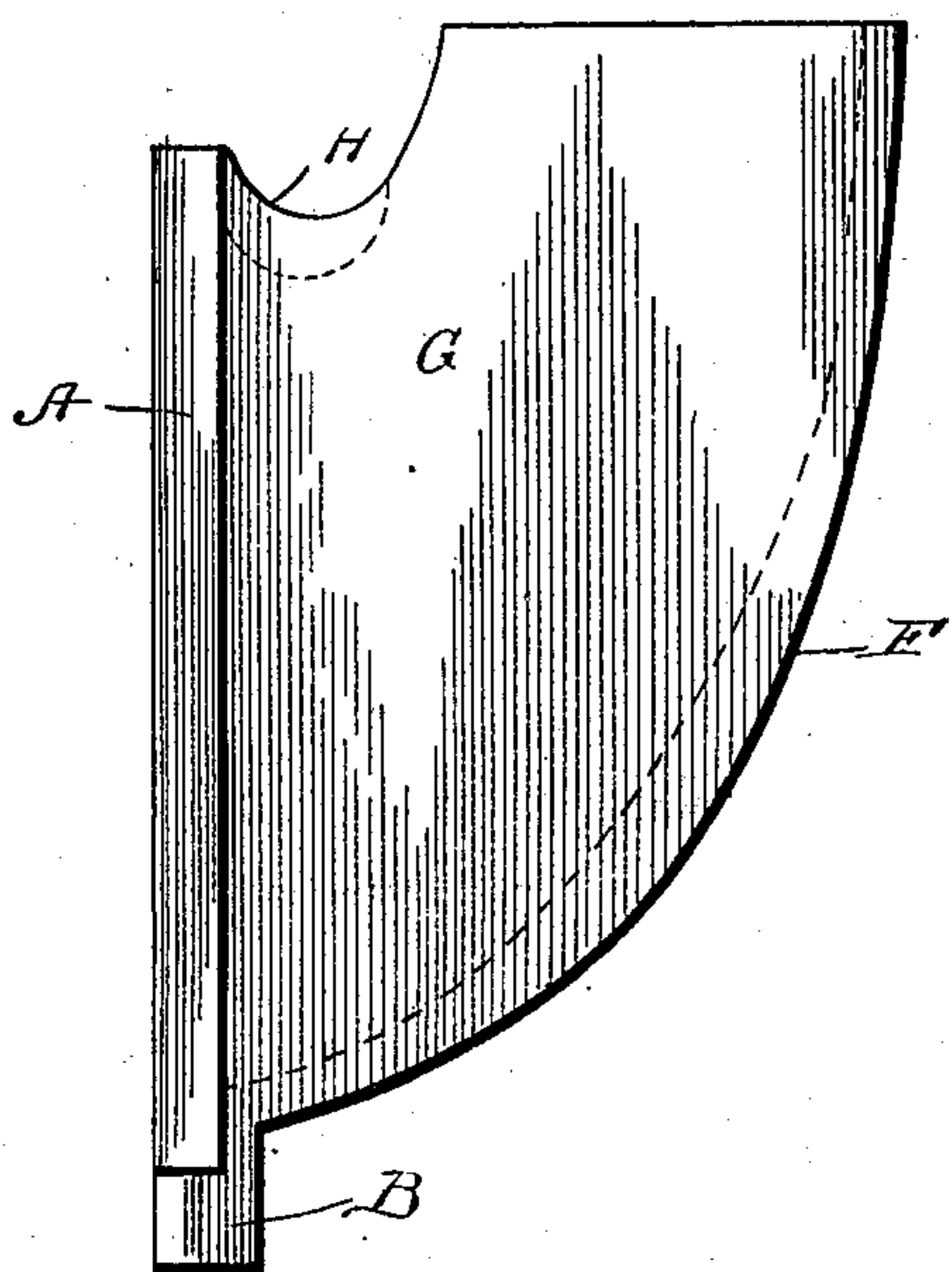
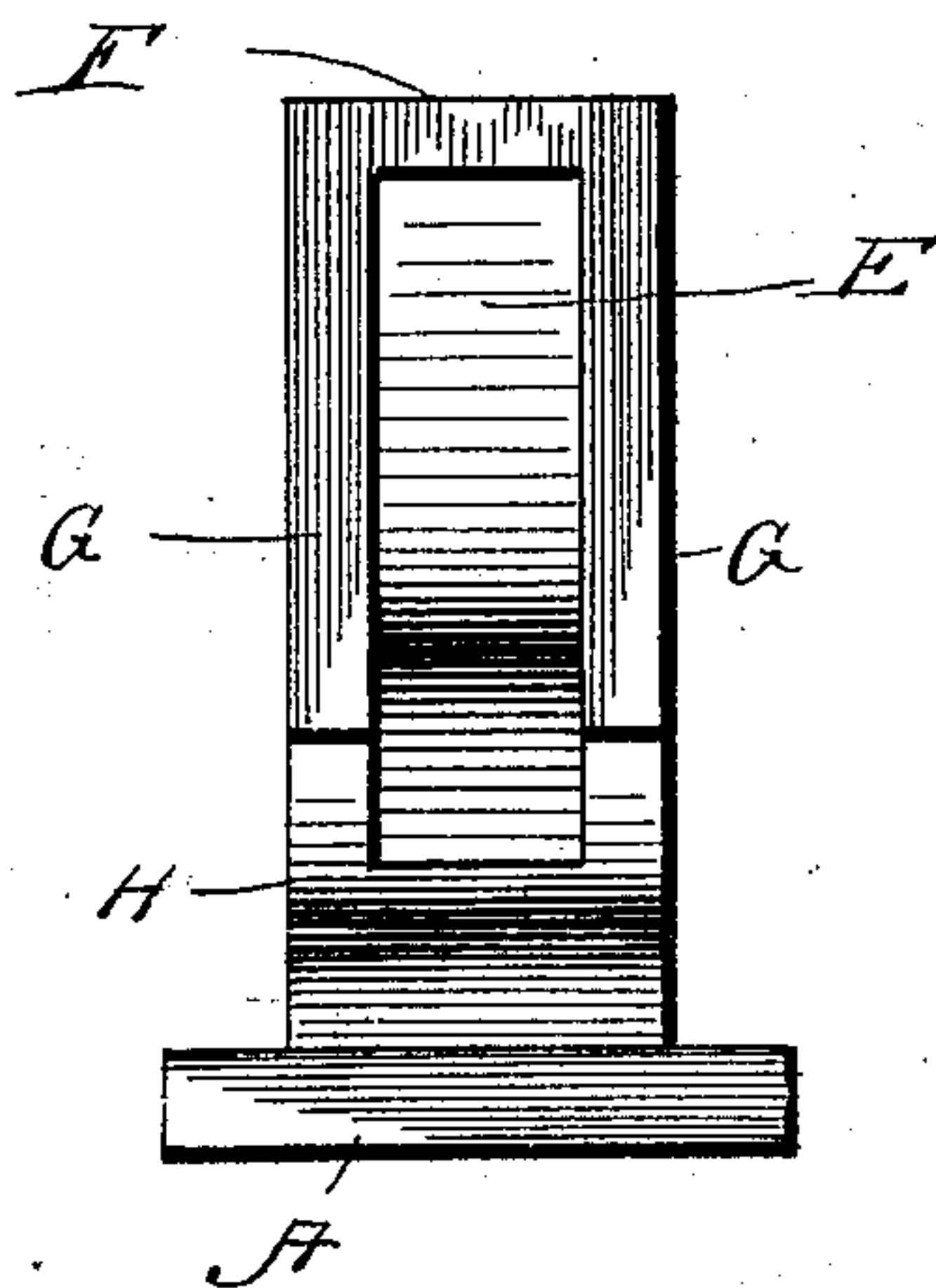


Fig. 2.



Witnesses
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Fig. 3.



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UNITED STATES PATENT OFFICE.

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FLUE FOR STILL.

SPECIFICATION forming part of Letters Patent No. 678,079, dated July 9, 1901.

Application filed March 7, 1901. Serial No. 50,177. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. WILLIAMS, a citizen of the United States, residing at Java, in the county of Coffee and State of Alabama, have invented certain new and useful Improvements in Flues for Stills, of which the following is a specification.

My invention relates to improvements in flues for stills; and the main object is the provision of a flue for turpentine or spirit stills which can be placed in the masonry wall without the necessity of the tearing down of the wall, as is done with the flue now in use, thereby making a great saving of time and money, and my flue can be quickly removed from the masonry and be replaced.

Another object of my invention is the provision of a still-flue embodying in its construction simplicity, durability, and cheapness, thereby rendering the same very efficient and practical in manufacture and use.

To attain the desired objects, my invention consists of a still-flue embodying novel features of construction and combination of parts, substantially as disclosed herein.

In the drawings, Figure 1 is a front elevation of the flue. Fig. 2 is a side elevation thereof, and Fig. 3 is a top plan view thereof.

Referring to the drawings, A designates the side front flanges of the casting, B is the lower or bottom abutment, and C is the top edge, these portions forming a flange to fit against a wall and having the large rectangular opening D. This opening is the entrance to the flue proper, E, which is incased by the curved wall F, and the side walls G having a curved edge where they meet the curved wall. This construction gives the flue an upward curve, so that the proper draft is given the still. The curved recess or seat H is formed upon the top of the flue proper, as shown, in order to allow it to be held by the leg of the still.

It will thus be seen that a rectangular

opening only has to be provided in a wall of masonry. The casing having the flue provided therein is inserted in the wall from the inside, the still having its leg resting in the curved seat and so placed as to readily use the flue to carry off products of combustion. By this construction it does not necessitate the destruction of the wall nor a very long retarding of business to take out a worn flue and replace it with a new one, thus producing a flue made in a single casting of the proper material which is very simple, durable, and inexpensive in construction, and therefore very efficient and practical in use.

I claim—

1. As an article of manufacture, a flue for stills made in a single casting, consisting of a front plate, a curved casing formed upon the back of the plate provided with a curved flue and a seat upon the top of the casing to be engaged by the leg of the still.

2. The combination with a wall of masonry provided with a rectangular opening, of a removable flue for stills adapted to be inserted and held in said opening, comprising, a rectangular plate provided with an opening, a curved lower wall and two sides formed upon the back of the plate and surrounding the opening, and a seat upon the top of the sides to be engaged by the leg of a still.

3. A removable flue for stills made in a single casting, and comprising, a plate provided with a rectangular opening, a curved lower wall and two side walls upon the back of the plate and surrounding a flue which leads from the opening, and a seat upon the top of the sides to be engaged by a leg of the still.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS A. WILLIAMS.

Witnesses:

JOHN C. MARTIN,
W. J. HORN.