P. COCKER.

Stovepipe Drum.

No. 45,556. Patented Dec. 20, 1864.

Fig. 3

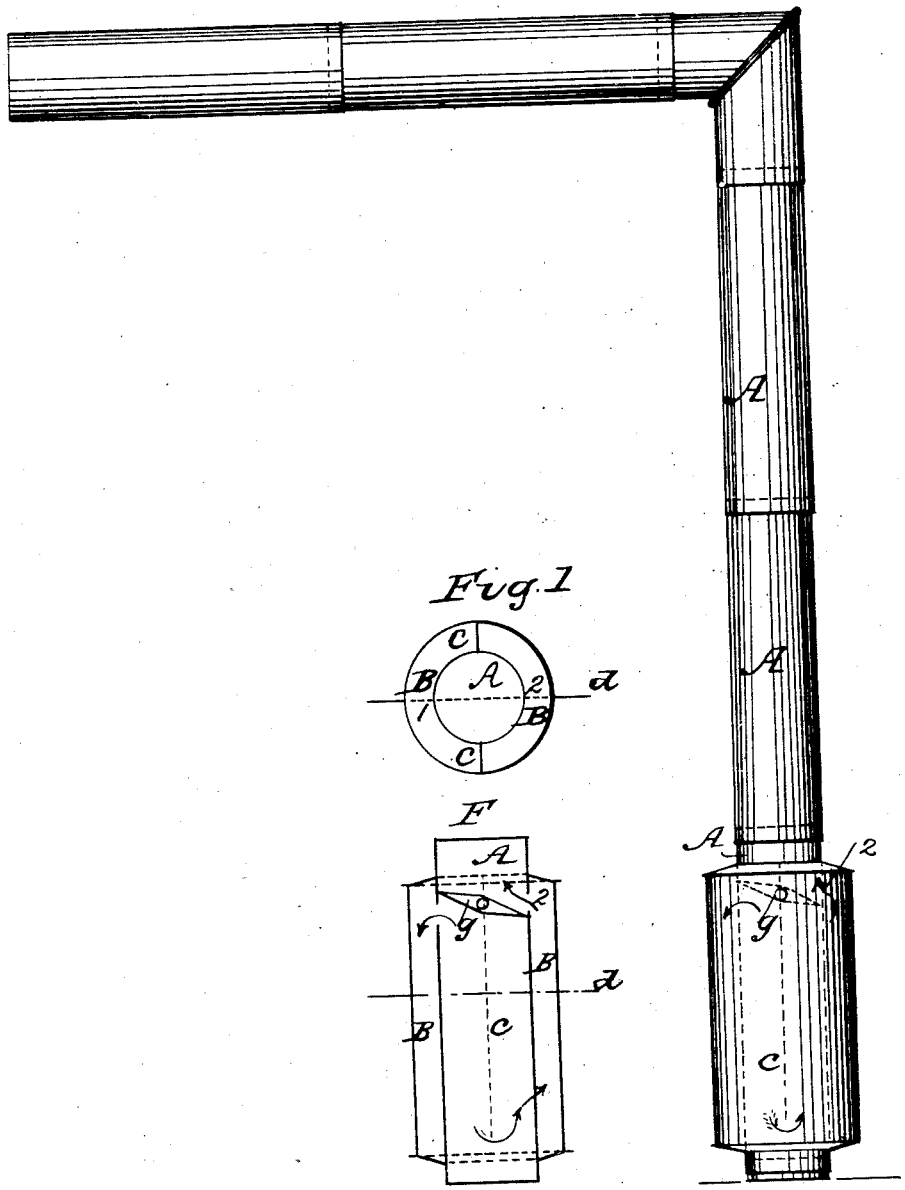

Fig. 1

Witnesses
Robt. F. Hunter
John Shinn

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UNITED STATES PATENT OFFICE.

PETER COCKER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND JOHN TAYLOR, OF SAME PLACE.

STOVE-PIPE DRUM.

Specification forming part of Letters Patent No. **45,556**, dated December 20, 1864.

To all whom it may concern:

Be it known that I, PETER COCKER, of the city of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Stove-Pipes for the Purpose of Saving Fuel; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in surrounding the ordinary stove-pipe with a jacket, which is divided into flues connecting with the main pipe, the draft of the flues being controlled by a damper in the main flue or pipe.

In describing its construction reference will be had to the drawings making a part of this specification.

Like letters of reference refer to like parts.

Figure 1 is a section through the center of Fig. 2, at the line *d*. Fig. 2 is a section through the center of Fig. 1, at the line *d*. Fig. 3 is a full view of a pipe in parts with the improvement in the lower part or section.

A is the ordinary stove-pipe, with the jacket B. The jacket B is divided into two flues by the divisions *c*, dotted lines in Figs. 2 and 3, *c c* in Fig. 1. These divisions reach nearly to the bottom of the jacket B.

g is the damper, which is constructed in the usual manner.

It will be noticed that the center flue or pipe is cut out at 1 and 2, Figs. 2 and 3, one opening being above and the other below the damper.

The damper being closed, the draft will be turned in at the opening 1 in the direction of the arrow. It will descend that flue to the bottom of the division-walls *c c*. It will then turn in the direction of the arrow, up and out at the opening 2 into the center flue or pipe.

In first kindling the fire, the damper will be turned so that the draft will pass straight up the pipe. It will also be turned in the same manner in putting on fresh coals. After the gas has partly burned off, the damper will be turned in the direction as seen in the drawings, when the draft will be checked some, but left free to carry off the gas.

The jacket can be made of any convenient length, of one or more sections of pipe. The advantage is, that it will check the draft without filling the room with gas, and save coals.

I claim—

Constructing a stove pipe with a jacket divided into flues connecting with the main pipe or flue, the draft of which being controlled by a damper in the main pipe, as described, and for the above purpose.

PETER COCKER.

Witnesses:
ROBT. F. HUNTER,
JOHN SHINN.