

C. PETTIT.

COMBINED STOVE-PIPE THIMBLE AND REGISTER.

No. 180,917.

Patented Aug. 8, 1876.

Fig. 1.

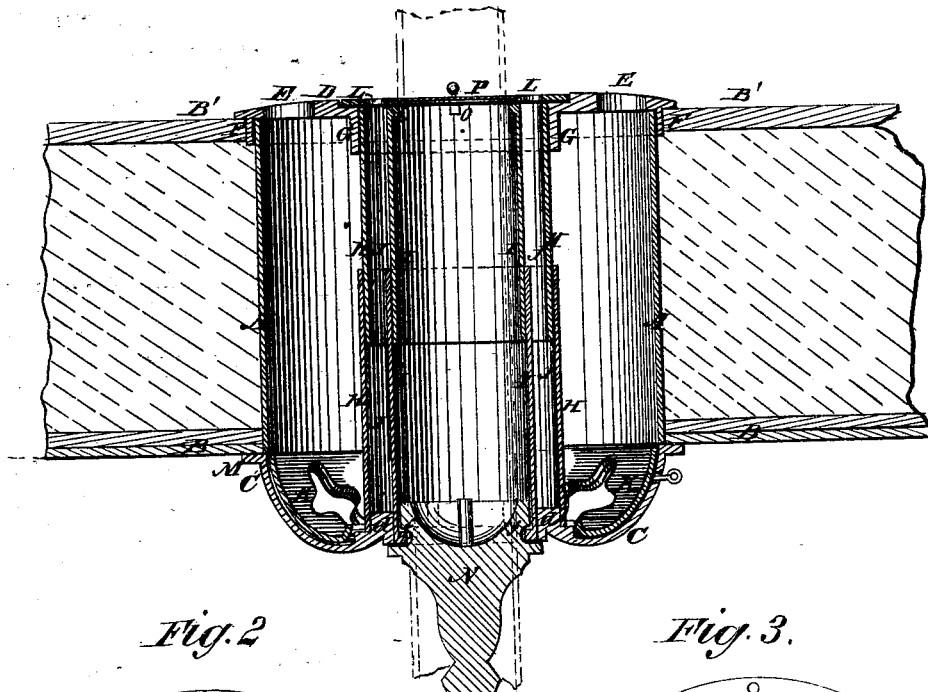


Fig. 2.

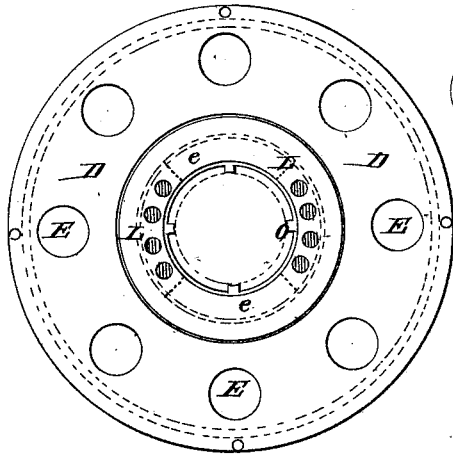
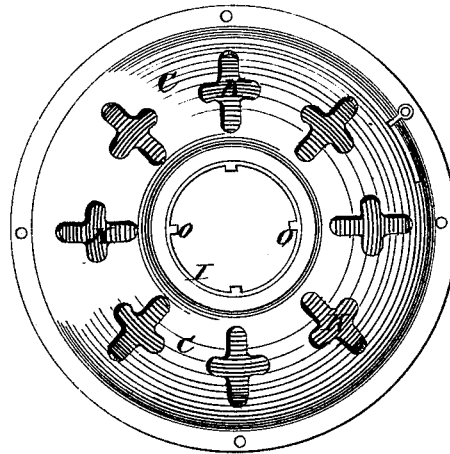


Fig. 3.



WITNESSES:

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CHARLES PETTIT, OF ERIEVILLE, NEW YORK, ASSIGNOR TO HIMSELF AND
LEVI P. GREENWOOD, OF SAME PLACE.

IMPROVEMENT IN COMBINED STOVE-PIPE THIMBLES AND REGISTERS.

Specification forming part of Letters Patent No. **180,917**, dated August 8, 1876; application filed
June 12, 1876.

To all whom it may concern:

Be it known that I, CHARLES PETTIT, of Erieville, in the county of Madison and State of New York, have invented a new and Improved Combined Stove-Pipe Thimble and Register, of which the following is a specification:

My invention consists of a large tube extending through the ceiling and floor, and having a top and bottom plate, through the center of which the pipe passes in a center tube, which is surrounded by a larger tube and a dead-air space, or a lining of non-combustible material, to confine the heat, so as to prevent the heating of the floor through the outer tube. The top and bottom plates are provided with openings to allow the air to pass for ventilating and for heating, and one is provided with a register.

Figure 1 is a sectional elevation of my improved combined thimble and register. Fig. 2 is a plan of the top plate, and Fig. 3 is a plan of the bottom plate.

A is the large tube extending through the ceiling B and floor B', and supported by the register-plate C below, which is attached to the ceiling, while at the top it is covered by the plate D, having a flange, F, fitting in the hole in the floor and over the top of tube A. Said plate D also has a flange, G, and holes E. The flange is for the connection of tube H, which incloses a space, J, between it and the thimble I, in which the stove-pipe passes, said space to be filled with non-conducting material, if preferred. Tubes H and I are made in two parts, which fit together by an

extensible joint, to fit floors and ceilings of different distances apart. They rest on the bottom plate C, and fit around a flange, d, which keeps them in place, and may be cast together with it. The inner tube I connects at the top with the tube H by the horizontal flange e, (shown dotted in Fig. 2,) said flange being provided with large openings to let the heat out through a register, L, fitted over the space J, to close it when desired. Inside of the plate C, which has openings for the air to pass through, is a register, K, to regulate the passage of the air.

P is a cover for the stove-pipe hole when the pipe is taken out in summer, and N is a plug for stopping the pipe-hole at the lower end. It is inserted from below, and is secured to lugs f by a kind of bayonet-fastening. Plate D may also have a ring to cover holes E, if desired.

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

The combination of tubes A, H, and I and plates C D, when arranged with the air-space J closed at the bottom, and either open or closed at the top, and with passages in the plates to the space between plates A H, with a register, K, in the lower plate C, for opening and closing them, substantially as specified.

CHARLES PETTIT.

Witnesses:

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