

No. 879,987.

PATENTED FEB. 25, 1908.

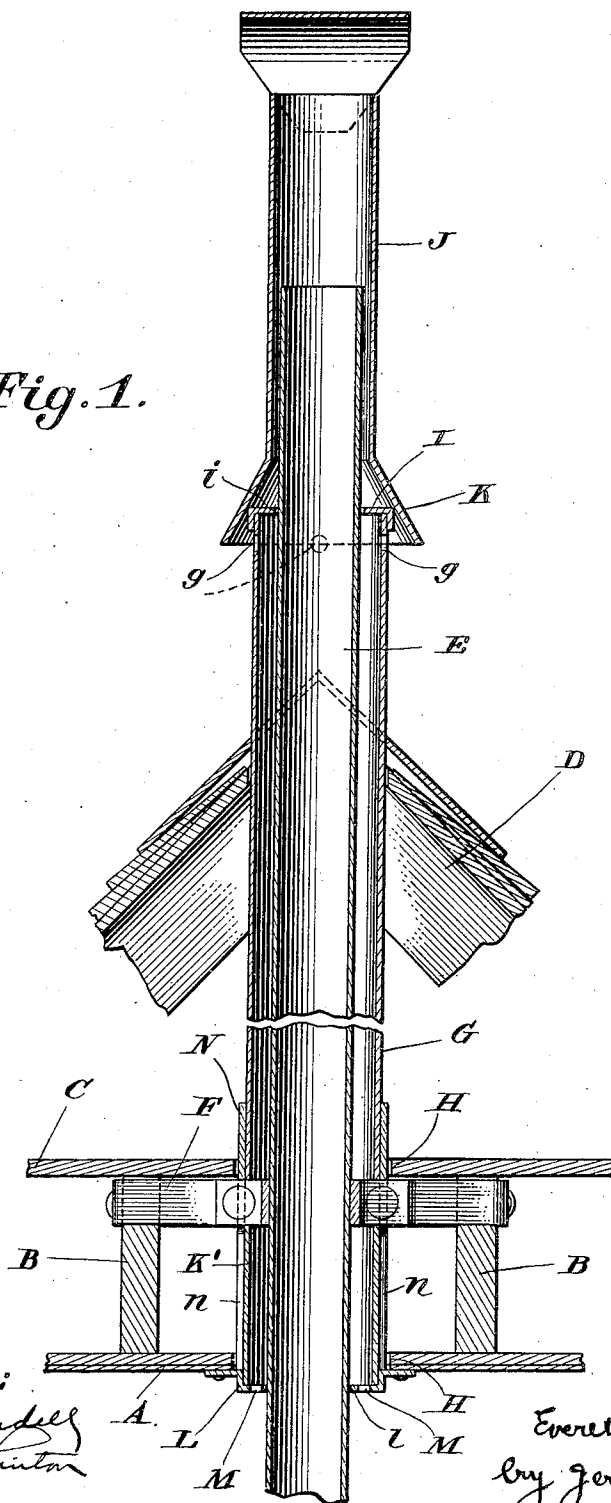
E. E. THOMPSON.

STOVE FLUE.

APPLICATION FILED FEB. 25, 1907.

2 SHEETS—SHEET 1.

Fig. 1.



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2 SHEETS—SHEET 2.

Fig. 2.

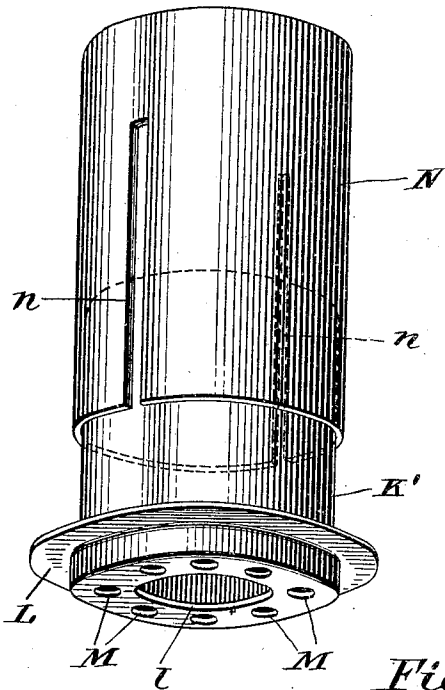


Fig. 3.

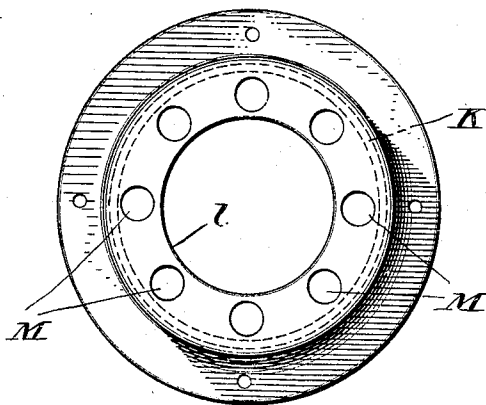
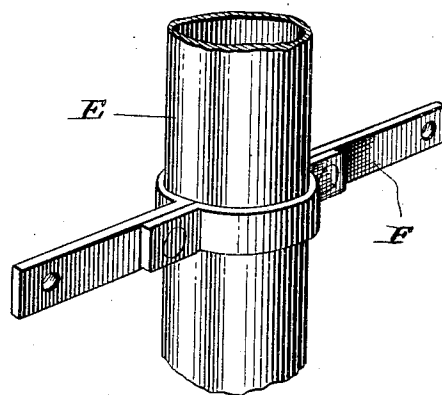


Fig. 4.



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UNITED STATES PATENT OFFICE.

EVERETT E. THOMPSON, OF KAUFMAN, TEXAS.

STOVE-FLUE.

No. 879,987.

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed February 25, 1907. Serial No. 359,228.

To all whom it may concern:

Be it known that I, EVERETT E. THOMPSON, a citizen of the United States, and a resident of Kaufman, in the county of Kaufman and State of Texas, have invented certain new and useful Improvements in Stove-Flues, of which the following is a specification.

My invention relates to stove flues, and has particular reference to the provision of a casing surrounding the flue to act as a ventilator to carry off the foul air from the rooms, through which the flue extends, as well as to prevent inflammable material getting against the smoke-pipe, and also a novel construction of thimble to inclose the pipe between the ceilings and floors to prevent rats and mice dragging paper, shavings, etc., against the pipe, and also to space the pipe from the woodwork to prevent ignition.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings, in which—

Figure 1 is a sectional view of a fragment of a house showing my improved casing in position and partly broken away; Fig. 2, a detail view of the thimble and sleeve; Fig. 3, a bottom plan view of the thimble; and Fig. 4, a detail of the arms for supporting the stove-flue shown secured to a fragment of the flue.

In the drawings similar reference characters indicate corresponding parts throughout the several views.

A indicates the ceiling of a room, B the joists, C the flooring above the joists, and D the roof of the building.

E indicates a stove-pipe made of any selected material, such as iron, terra cotta, etc., having a collar-brace F secured thereto and to the adjacent joists B to hold the pipe in position.

G indicates a casing having its lower end open and seated over a hole H in the floor C and ceiling A, said casing resting on the collar-brace F. The upper end of the casing is closed with a plate I, having a central hole i, through which extends the pipe E, while holes g are provided near the upper end of the casing to allow the escape of hot air from around the pipe.

J indicates a cowl seated over the projecting end of the pipe E and K a conical-shaped

hood secured to the lower end of the cowl J and covering the upper end of the casing G and extending outwardly to prevent rain water from entering holes g.

My improved thimble consists of a casing K', having an annular plate L secured to its lower end with a hole l therethrough, through which extends pipe E, and a series of holes M surrounding the pipe E. The outer edge of the plate L extends beyond the casing K' to form a flange to seat against the ceiling A when the casing is in position.

N indicates a sleeve slidably mounted on casing G and provided with slots n to receive the arms of the collar-brace F. When in position the lower end of sleeve N incloses the upper end of casing K', as shown in Fig. 1, so as to form a continuous casing around the pipe and prevent the surrounding woodwork from igniting from the heat of the pipe E, as well as prevent rats and mice from building their nests of inflammable material against the pipe.

The holes M permit the escape of the foul and heated air from the room below the ceiling A, which passes upward through the casing K', sleeve N, casing G, and out through holes g, being a very effective ventilator, while at the same time the circulation of air prevents the casings G and K' and sleeve N from becoming heated sufficiently to ignite the surrounding woodwork.

Having thus described my invention, what I claim is—

1. In combination with a stove-pipe and a collar-brace secured thereto to secure the pipe in position, a thimble comprising a casing having an annular plate on its lower end, and a sleeve slidably mounted on said casing and provided with slots to receive said brace, substantially as shown and described.

2. In combination with a building having a roof, floor, joists, and a ceiling, a stove-pipe passing through said ceiling, floor and roof and between two of said joists, a collar-brace secured to said pipe and having laterally extended arms secured to the said joists, a casing surrounding the pipe and extended above the roof, a sleeve slidably mounted on said casing and having slots to receive said brace-arms, a thimble-casing having a perforated annular plate secured to its lower end and

extended beyond the side of the casing to engage the ceiling, the sleeve aforesaid fitting over said thimble-casing, and a chimney-cowl secured to the delivery end of the pipe
5 and provided with a conical-shaped hood on its lower end to fit over the first named casing, substantially as shown and described.

In witness whereof I have hereunto set my hand in presence of two subscribing witnesses.

EVERETT E. THOMPSON.

Witnesses:

GEO. G. SHAW,
G. SNOW.