

No. 630,340.

Patented Aug. 8, 1899.

W. H. FULWEILER.

COMBINED VENTILATOR AND FLUE STOP.

(Application filed Sept. 26, 1898.)

(No Model.)

Fig. 1.

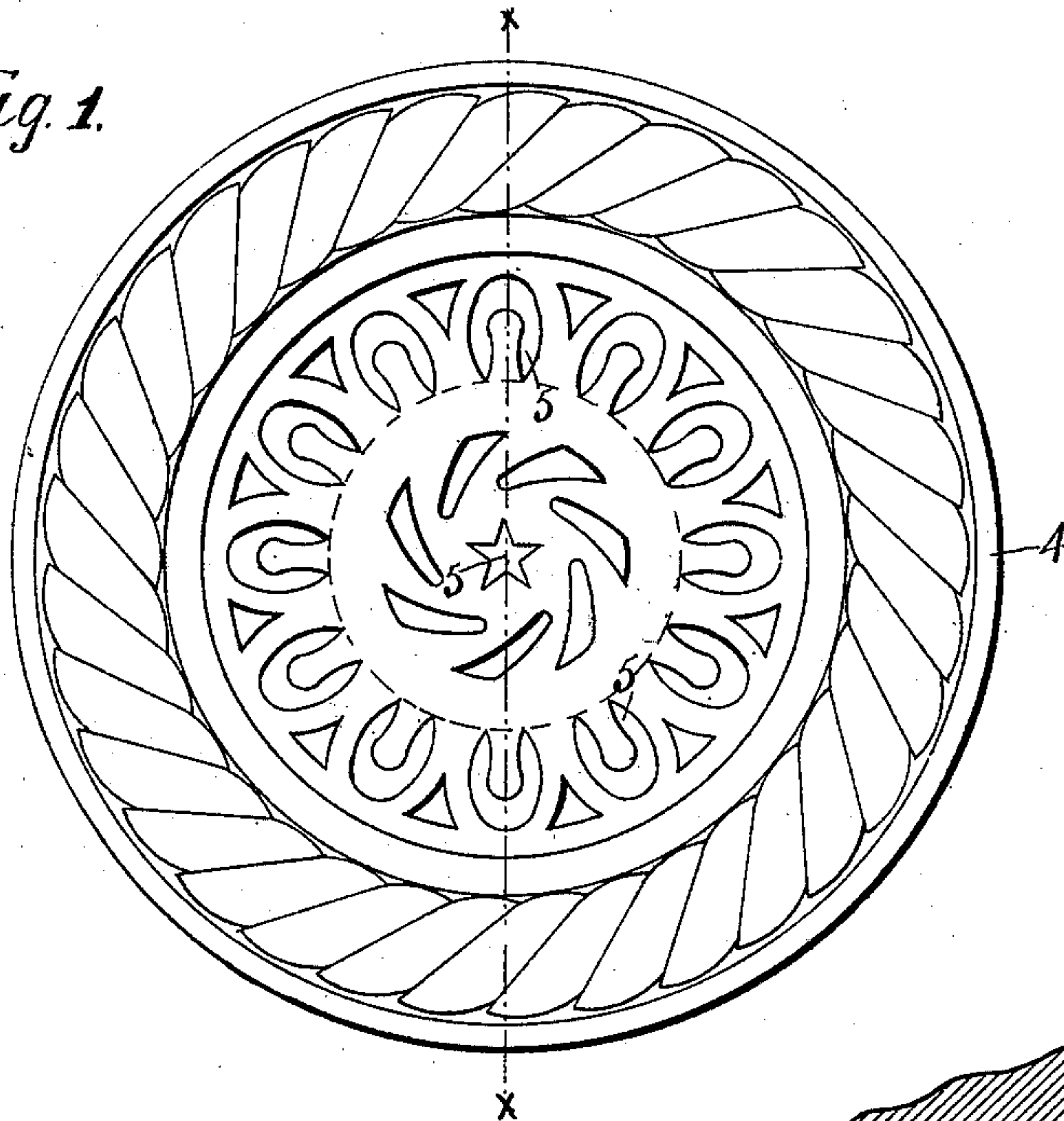


Fig. 2.

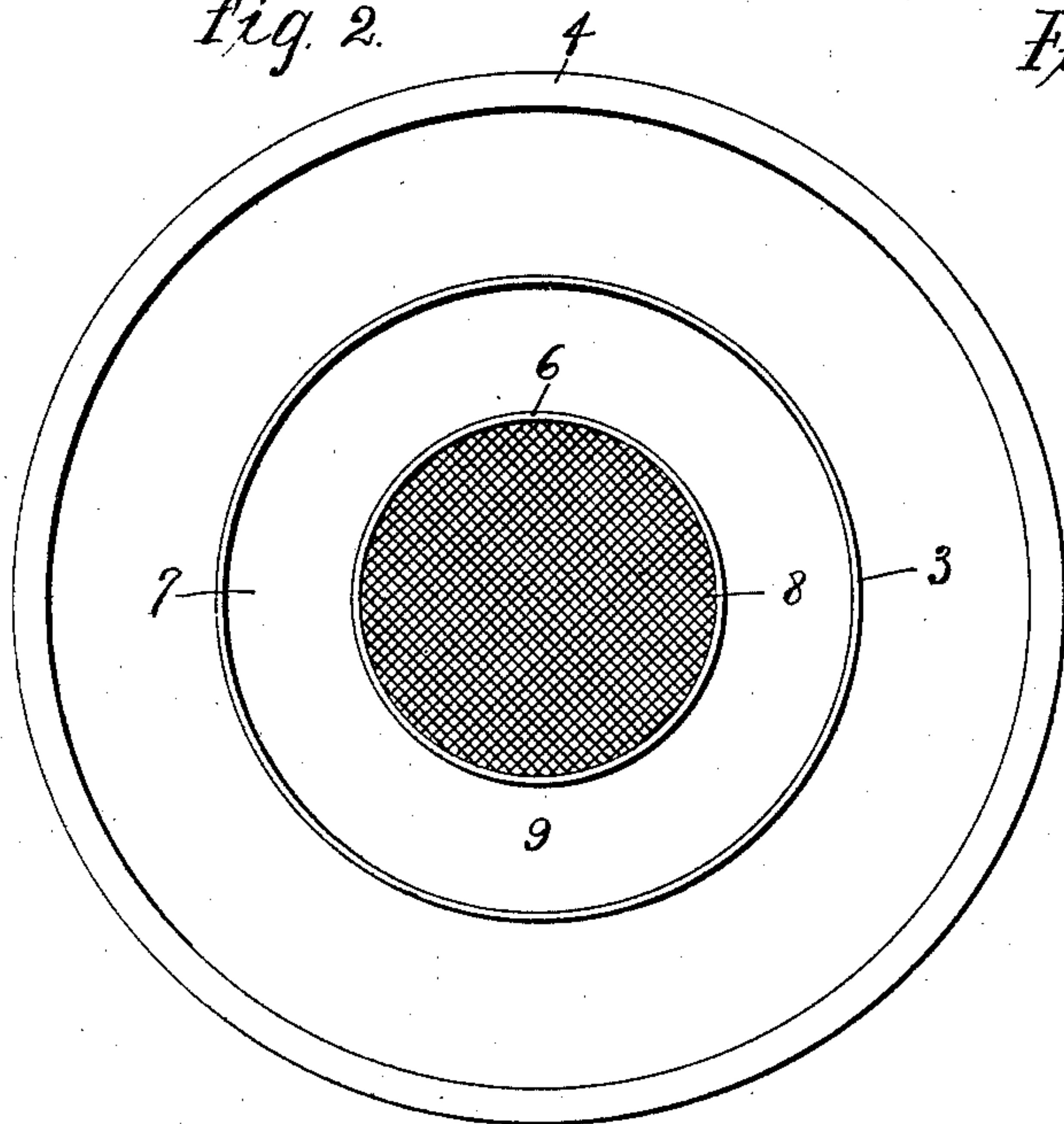
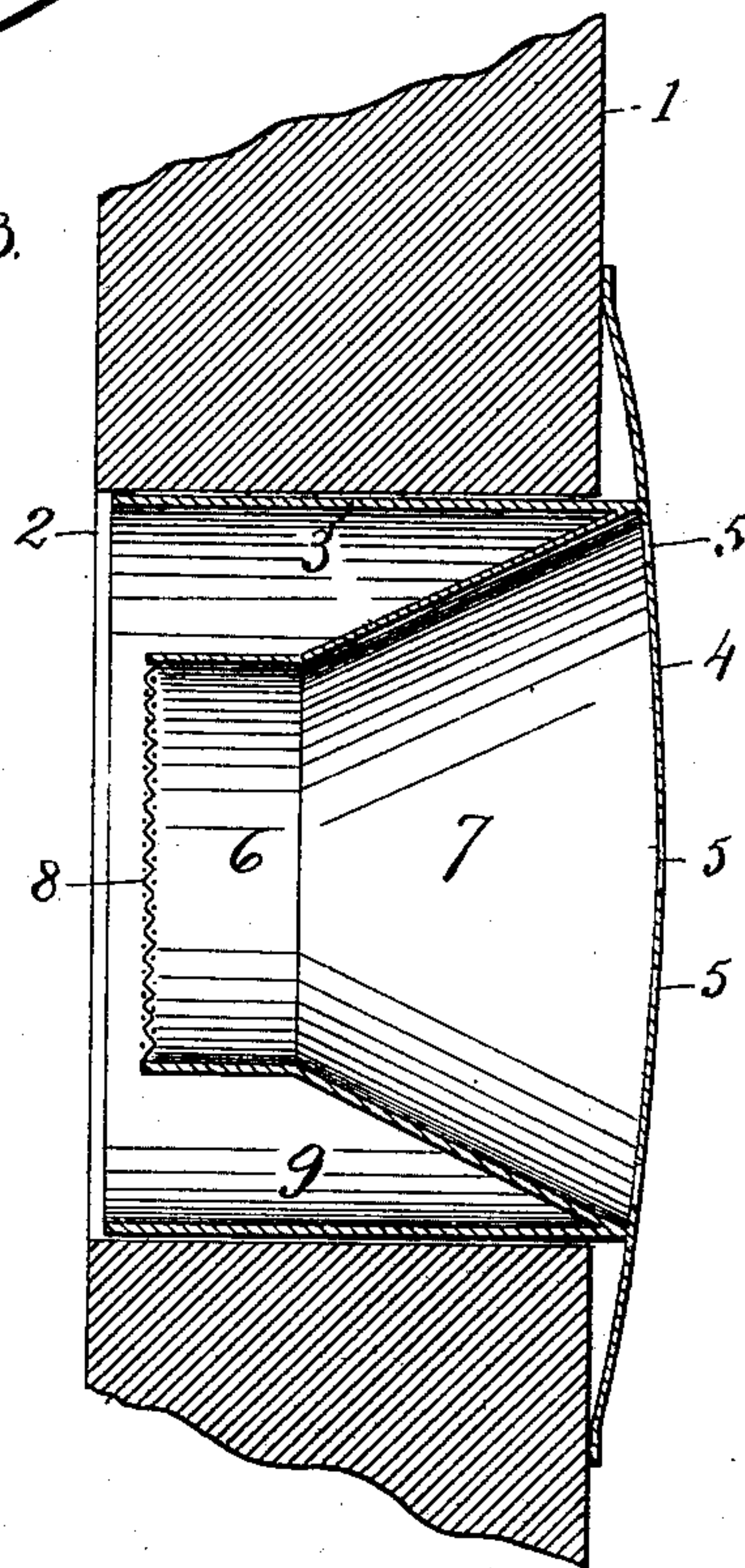


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM H. FULWEILER, OF CLAY CENTRE, KANSAS.

COMBINED VENTILATOR AND FLUE-STOP.

SPECIFICATION forming part of Letters Patent No. 630,340, dated August 8, 1899.

Application filed September 26, 1898. Serial No. 691,859. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. FULWEILER, a citizen of the United States, residing at Clay Centre, in the county of Clay and State of Kansas, have invented certain new and useful Improvements in a Combined Ventilator and Flue-Stop, of which the following is a specification.

My invention relates to combined ventilators and flue-stops, and has for its object to produce a cheap, durable, and ornamental device of this character which will permit air to leave and enter the room via the chimney and at the same time prevent soot from blowing into said room.

With this object in view the invention consists in certain novel and peculiar features of construction and combinations of parts, as will be hereinafter described and claimed, and in order that the invention may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 is a face view of a combined ventilator and flue-stop embodying my invention. Fig. 2 is an inner face view of the same. Fig. 3 is a vertical section taken on the line X X of Fig. 1.

In the said drawings, 1 designates the chimney, and 2 the flue-opening therein, said opening being adapted to receive a stovepipe during cold weather and my improved device during the summer months when the stove is not in use. Said device consists of a thimble or cylinder 3, fitting snugly in the opening 2, the cap or face-plate 4, secured or formed at the inner end of the cylinder and of greater diameter in order that it may flange outward and by bearing against the outer face of the chimney limit the distance to which the thimble may be inserted into said opening, and said cap or cover within the circle of the thimble is provided with a plurality of holes or apertures 5, said holes or apertures being preferably of ornamental configuration, so as to lend to the cap as decorative an appearance as possible.

6 designates a small cylindrical tube arranged concentrically within the thimble and provided with a conical or flaring mouth or

extension 7, the front edge of which connects with the front edge of the thimble at its junction with the cap, and said mouth or extension 7 may be secured to or formed integral with said thimble and cap.

The rear end of the small cylindrical tube 6 is closed by a disk 8, of wire-gauze or other foraminous material, the interstices of the same being very fine in order to prevent soot from the chimney being blown through the same and through the holes or apertures 5 into the room.

With a device constructed as described it is obvious that provision is made for a free circulation of air through said room and to and from the same via the chimney, and it is equally obvious, as hereinbefore stated, that dust, soot, and other particles cannot be drawn into the room. Furthermore, the annular chamber 9, formed by and between the thimble and the tube 6, is a soot-receptacle, which makes it possible at any time to remove the device and carry it out of the house without spilling the contents upon the floor.

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

A combined ventilator and flue-stop, consisting of a thimble fitting snugly in the opening of a chimney, a cap of larger diameter secured to the front end of the thimble and perforated within the circumference of the latter, a smaller tube fitting concentrically within the thimble, and provided with a conical or flaring mouth or extension 7, the said mouth or extension extending from the front end of the short tube to the point of junction of the cap and the thimble and forming between itself and said thimble an annular chamber or receptacle 9, and a foraminous disk 8 closing the rear end of said tube, substantially as described.

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

WILLIAM H. FULWEILER.

Witnesses:

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