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VENTILATOR.

APPLICATION FILED SEPT. 28, 1914.

1,162,205.

Patented Nov. 30, 1915.

2 SHEETS—SHEET 1.

FIG. 1

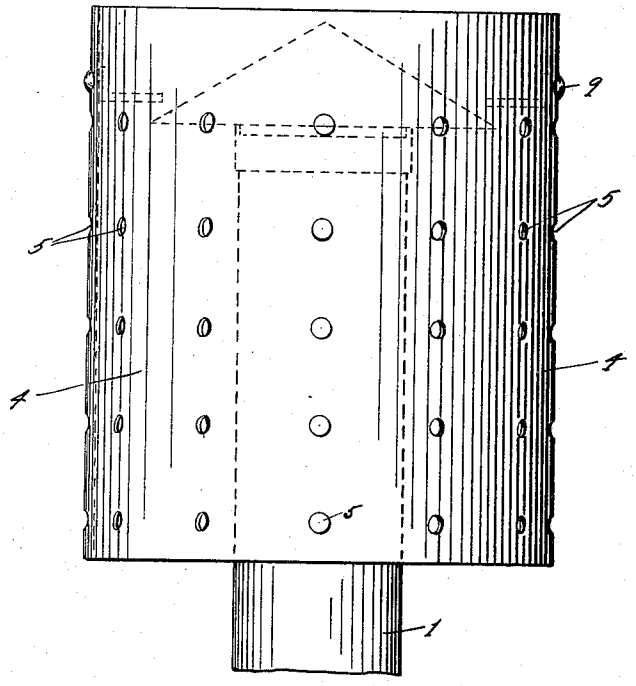


FIG. 2

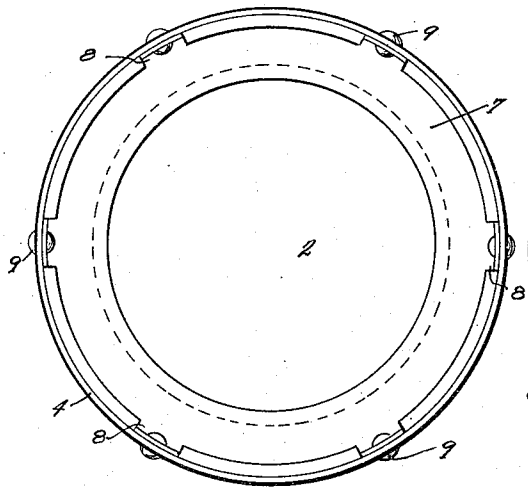
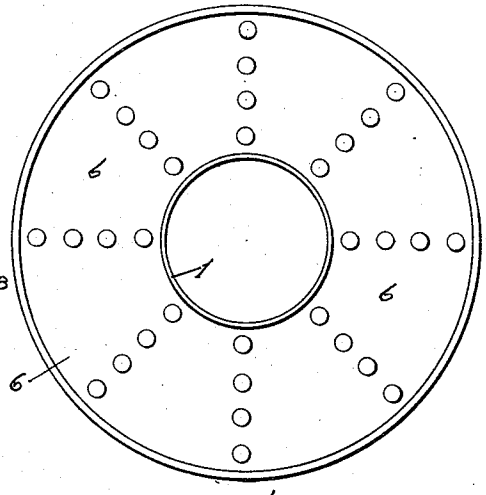


FIG. 3



WITNESSES

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2 SHEETS—SHEET 2.

FIG. 4

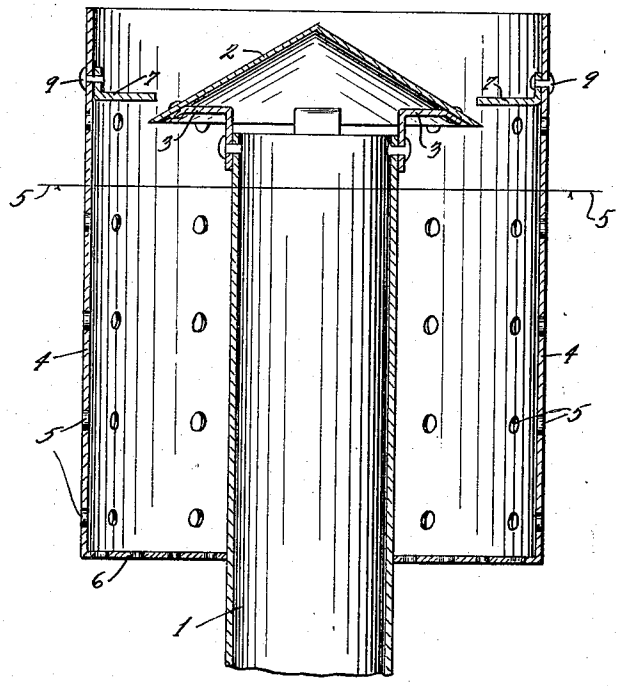
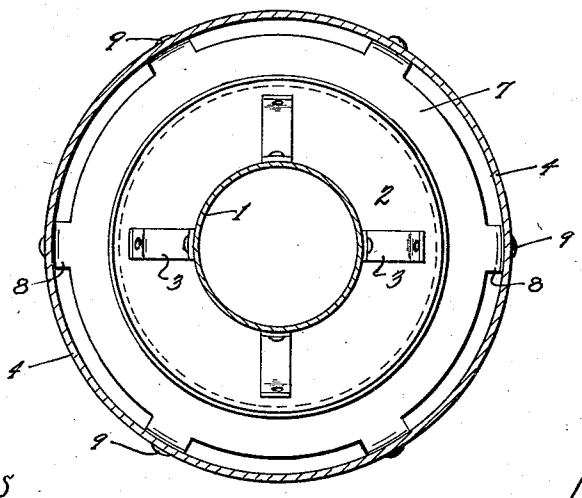


FIG 5



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1,162,205. Specification of Letters Patent. Patented Nov. 30, 1915.

Application filed September 28, 1914. Serial No. 863,930.

To all whom it may concern:

Be it known that I, INSHRISH ASHORN, a citizen of the United States, residing at New Ulm, in the county of Austin and State of Texas, have invented certain new and useful Improvements in Ventilators, of which the following is a specification.

This invention relates to improvements in ventilating-cowls for use on buildings and the like, and its object is to produce a ventilator that will help to create a draft through the tubular stem, and that at the same time will serve as a spark arrester.

With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described in the following specification, pointed out in the claim and illustrated in the accompanying drawings which form a part of said specification and in which—

Figure 1 is a side elevation of a ventilating cowl constructed in accordance with my invention. Fig. 2 is a top plan of the same. Fig. 3 is an inverted plan. Fig. 4 is a vertical section. Fig. 5 is a cross section taken on line 5—5 of Fig. 4.

Like reference characters indicate corresponding parts throughout the several views.

The reference numeral 1 designates the tubular stem of my improved ventilating cowl and 2 is a cap arranged to overhang the upper end of said stem to which it is secured by angular braces 3. About the upper portion of the tubular stem and cap 2 I provide a cylindrical shell 4, open at the top, formed with a plurality of apertures or perforations 5 and provided with an integral perforated base 6, open in the center to admit the tubular stem to which said base is secured in any suitable manner. Adjacent the upper or open end of the cylindrical shell I provide a ring 7 formed with integral feet 8 by which it is secured to the inner wall of said shell by bolts 9, the inner periphery of said ring projecting over the lower edge of the cap 2.

The smoke, air and sparks passing up through the tubular stem will strike the cap 2, the smoke and air being deflected thereby and caused to pass out under the lower edge of said cap when it will again rise and pass out between the cap and the ring 7 into the atmosphere. Some of the sparks will fall back into the tubular stem, some may pass out beneath the cap 2 and fall upon the bottom 6 direct, or strike the ring 7 and then fall upon said bottom, the possibility of any sparks escaping from the device and causing destructive fires is practically *nil*.

What is claimed is:—

A device of the type described, including a tubular stem or member. a conical cap having an internal deflecting surface, with its base offset from, and positioned somewhat above the upper end of said stem, angular bracket-like connections between said cap and stem, and a cylinder provided with numerous draft-generating passages therethrough the lower end of which cylinder is provided with a base also having numerous air passages and fixed to said cylinder, the upper end of said cylinder opening upwardly and slightly above said cap of said stem, said cylinder having attached to its inner side an annular deflector, said deflector having its inner edge slightly spaced from, and somewhat above the base-edge of said conical cap.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two subscribing witnesses.

INSHRISH ASHORN.

Witnesses:
R. J. SCHMID,
HENRY SMITH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."