

No. 772,251.

PATENTED OCT. 11, 1904.

J. H. NICHOLS.
FLUE STOP.

APPLICATION FILED OCT. 22, 1903.

NO MODEL.

FIG. 1.

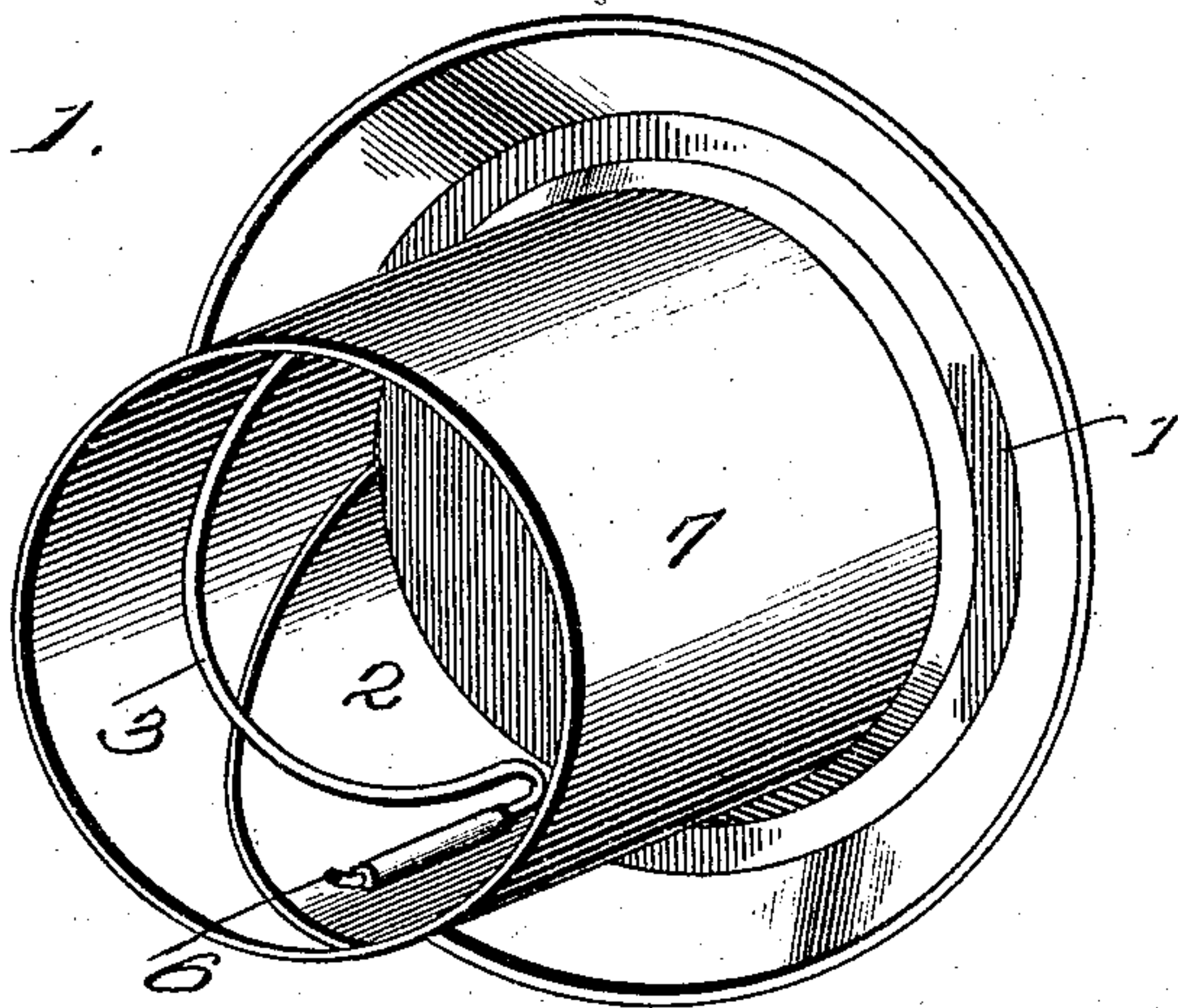


FIG. 2.

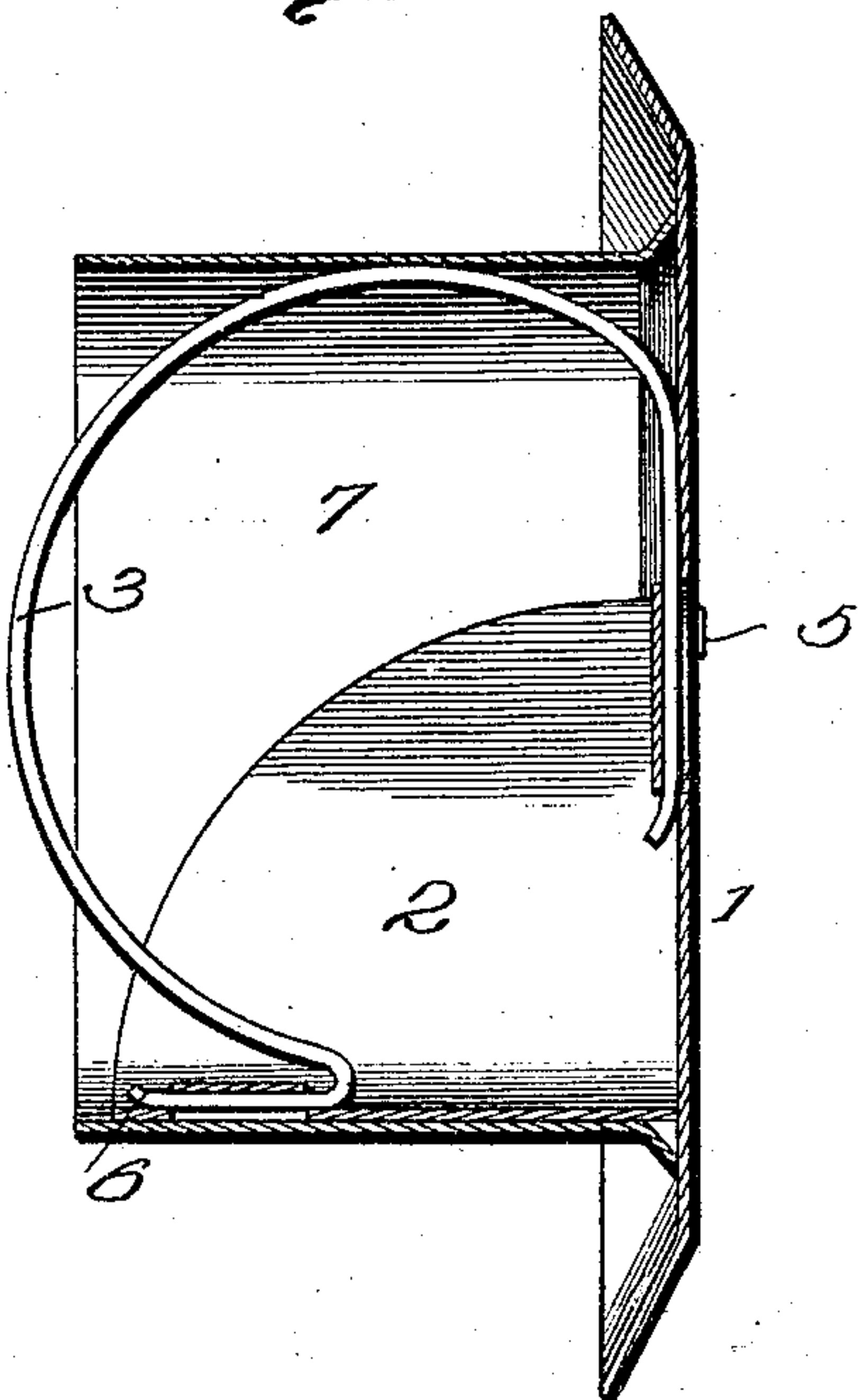
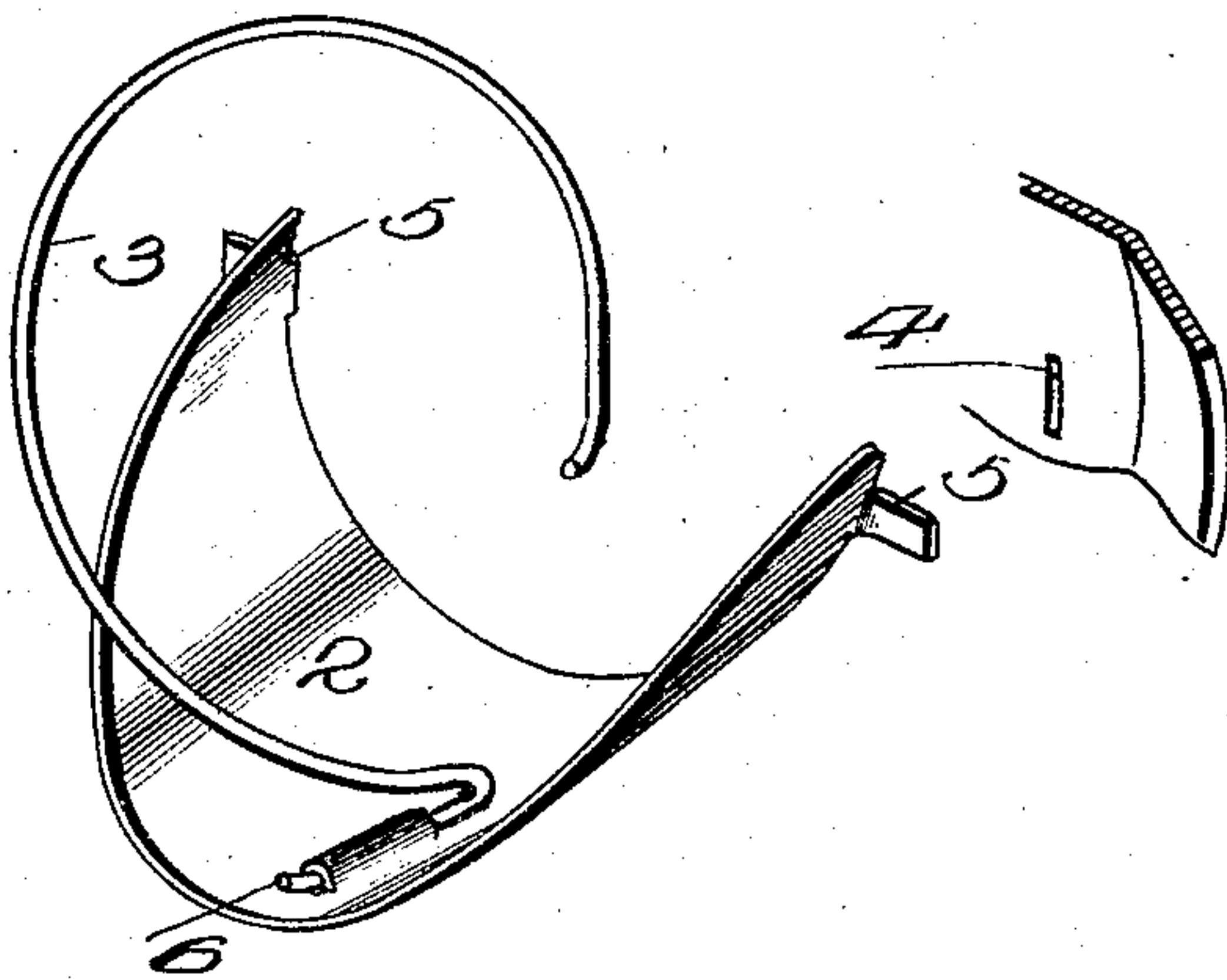


FIG. 3.



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Witnesses

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By

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UNITED STATES PATENT OFFICE.

JOHN H. NICHOLS, OF ANAMOSA, IOWA.

FLUE-STOP.

SPECIFICATION forming part of Letters Patent No. 772,251, dated October 11, 1904.

Application filed October 22, 1903. Serial No. 178,118. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. NICHOLS, a citizen of the United States, residing at Anamosa, in the county of Jones and State of Iowa, have
5 invented certain new and useful Improvements in Flue-Stops, of which the following is a specification.

This invention relates to improvements in that type of flue-stopping devices consisting
10 of a head or face-plate of ordinary form and a scoop device carried by the head to receive the dirt or soot which would otherwise fall from the flue-opening on displacement of the face-plate preparatory to cleaning the opening or securing a stovepipe therein.
15

An object of the invention is to provide a device combining a maximum degree of simplicity and cheapness relative to cost of manufacture.

20 A further object of the invention is to combine the parts of the device in such a manner as to be readily disassembled to facilitate transportation in lot orders.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

30 While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

35 Figure 1 is a perspective view of the stop, showing the adjacent parts attached thereto. Fig. 2 is a vertical sectional view showing the stop in position. Fig. 3 is a detail perspective view of the scoop-plate and spring, a
40 fragment of the face-plate being shown.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

45 The device comprises four essential parts—namely, a support or thimble 7, a head or face-plate 1, a scoop-plate 2, and a spring 3, detachably secured to the scoop-plate and head. The head is stamped from sheet metal
50 and is provided with openings 4, which receive lugs 5, projected from the scoop-plate 2, the

said lugs being bent angularly to secure the scoop-plate to the head, as shown. The spring 3 is of approximately circular form, one of the ends of the spring being bent to form a
55 hook 6, which passes through openings in the scoop-plate 2, detachably securing the said end to the plate. The opposite end of the spring 2 passes through openings in the face-plate or head 1, and any suitable means may
60 be provided to prevent displacement of the ends of the spring from the plate 1 and the scoop-plate 2. The extremities of the spring are preferably bent, so as to prevent the accidental displacement above mentioned. The
65 spring, as readily seen, extends laterally from the rear side of the head 1 and is disposed in an approximately vertical position. The curved portion of the spring when in frictional contact with the thimble 7 of the stove-
70 pipe serves to substantially hold the flue-stop in position, at the same time permitting of removal of the said stop when desired.

It is designed, of course, to provide ornamental finishing upon the head 1, as is usually
75 done.

Having thus described the invention, what is claimed as new is—

In a flue-stop, the combination with a support provided with an opening, of a head-plate
80 provided with openings adjacent the upper portion thereof, a scoop-plate having lugs extended from the upper side portions thereof and received by the aforesaid openings in the head-plate, said lugs being bent to secure the
85 scoop-plate to the head-plate, a spring of approximately circular form projected rearwardly from and at about right angle to the head-plate, said spring being adapted to be received in the opening of the support to bear
90 against the walls thereof and having its upper end secured to the head-plate and its lower end bent to form a hook-shaped terminal, the hook-shaped terminal of the spring being secured to the lower portion of the scoop. 95

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

JOHN H. NICHOLS. [L. s.]

Witnesses:

JOHN NEULLE,
HOWARD M. REMLEY.