

(No Model.)

J. W. YOUNG & L. H. SCRUGGS.
VENTILATING BUTTON FOR MATTRESSES.

No. 509,345.

Patented Nov. 21, 1893.

Fig. 1.

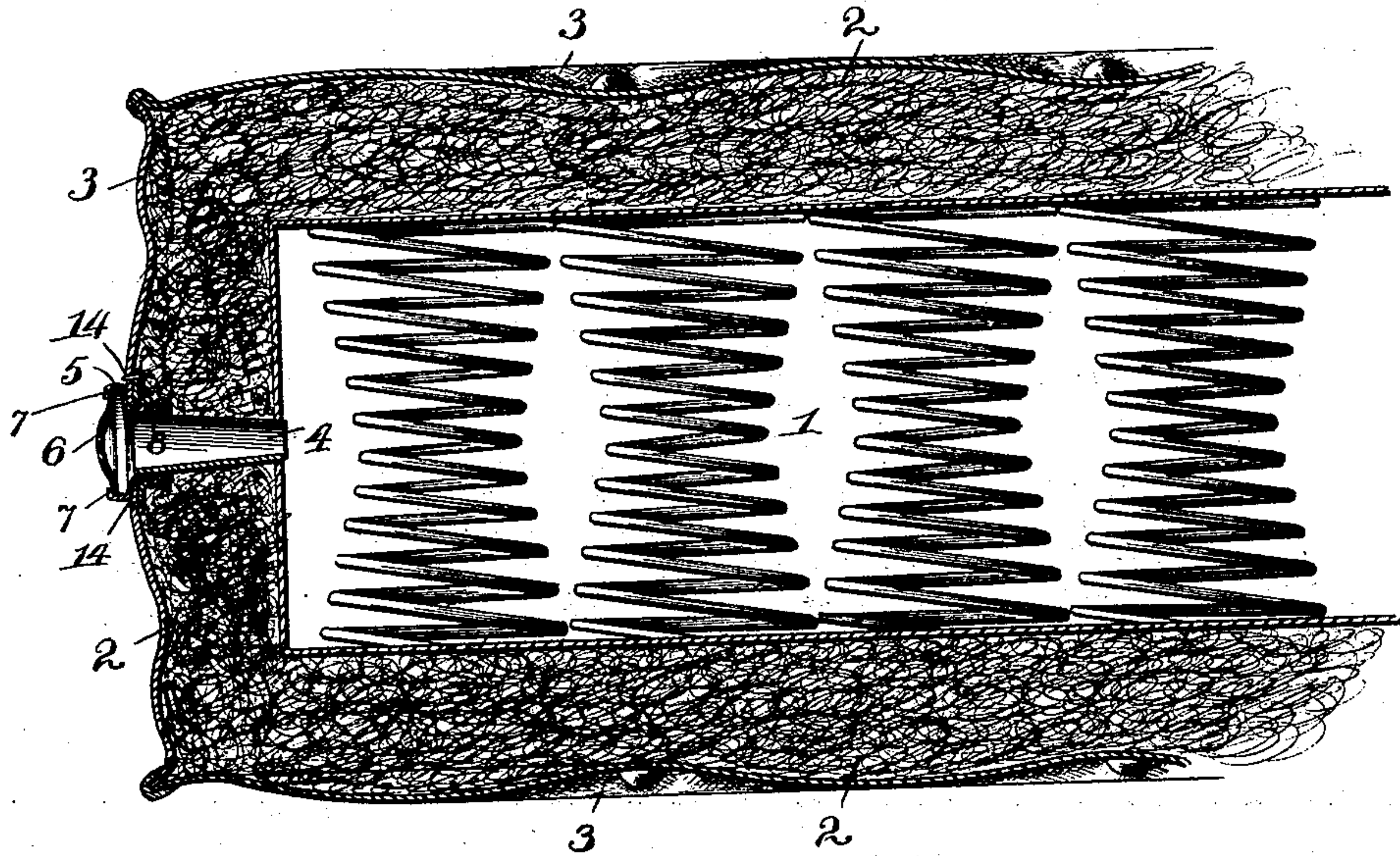


Fig. 2.

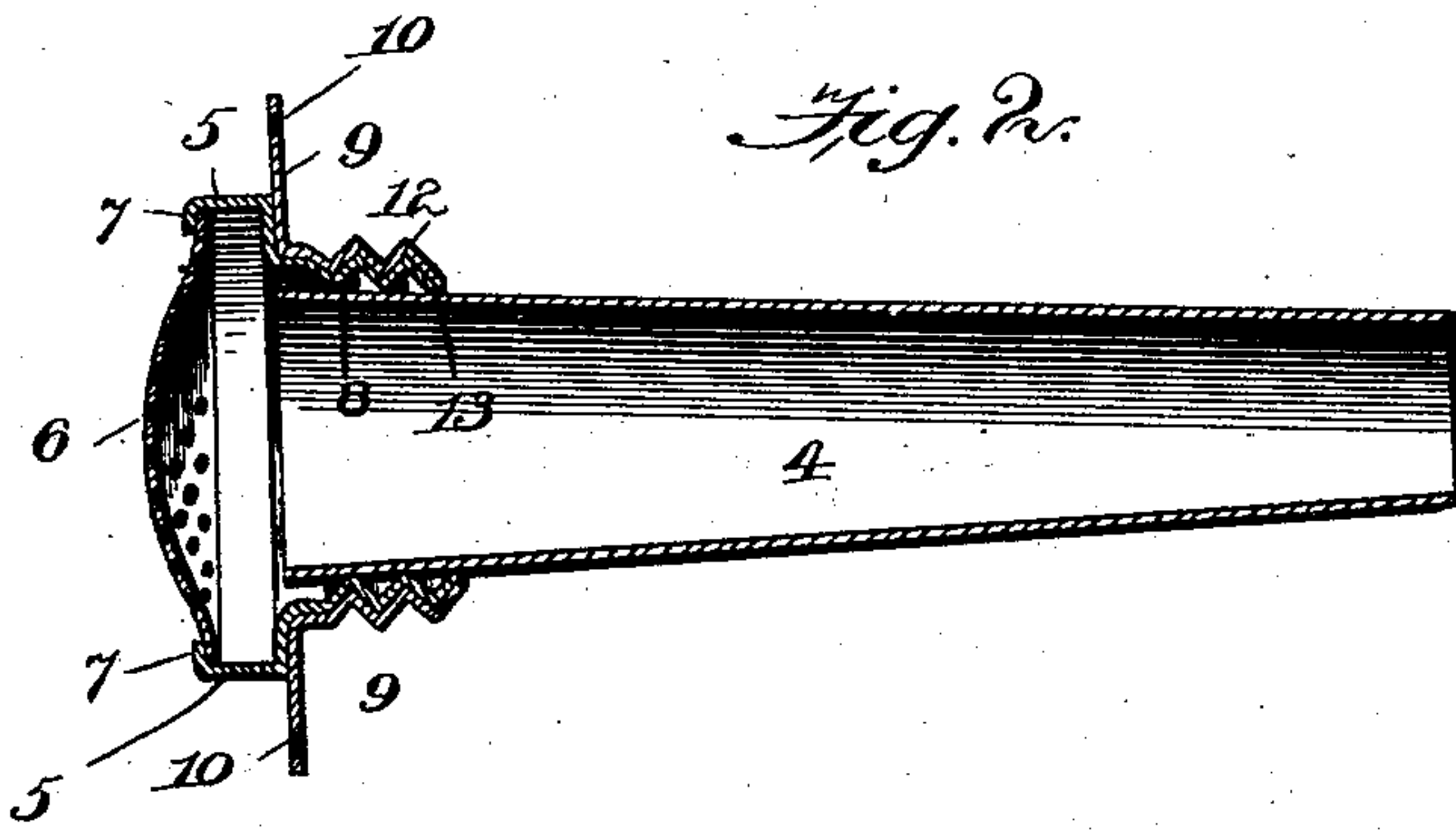
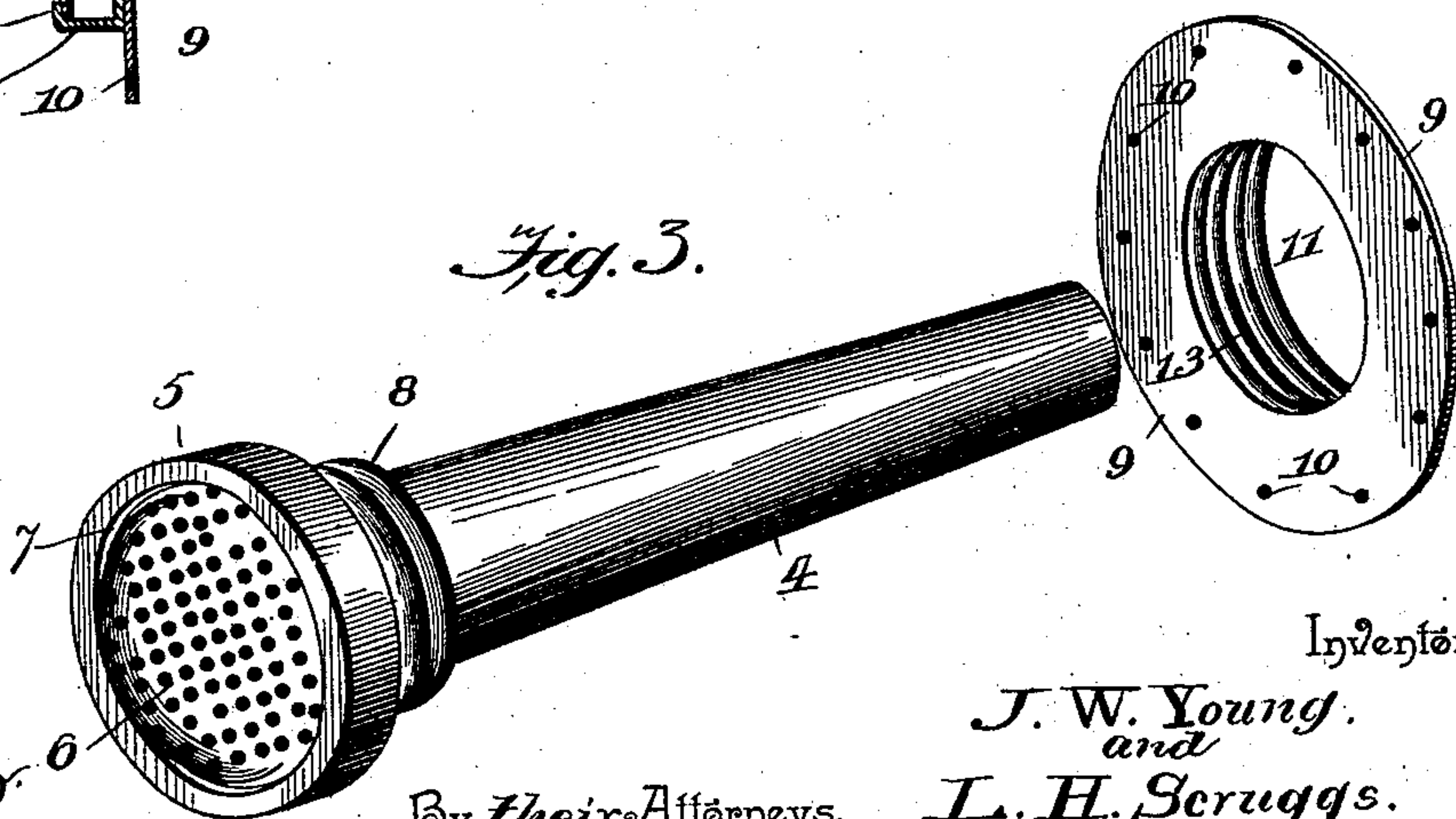


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES W. YOUNG AND LAWRENCE H. SCRUGGS, OF NASHVILLE,
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VENTILATING-BUTTON FOR MATTRESSES.

SPECIFICATION forming part of Letters Patent No. 509,345, dated November 21, 1893.

Application filed January 21, 1893. Serial No. 459,204. (No model.)

To all whom it may concern:

Be it known that we, JAMES W. YOUNG and LAWRENCE H. SCRUGGS, citizens of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented a new and useful Ventilating-Button for Mattresses, of which the following is a specification.

Our invention relates to improvements in that class of mattresses employing an internal body of springs, and has particular reference to a means for ventilating the same, that is of inducing a current of air in the mattresses and thus maintaining the same sweet and healthy.

The object of our invention is to provide a cheap and simple construction of ventilating button that may be readily inserted or applied to mattresses of this class and which shall be efficient in its operation and secure in its positions.

With such object in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claim.

Referring to the drawings:—Figure 1 is a section of a portion of a mattress, the same being provided with a ventilating-button constructed in accordance with our invention. Fig. 2 is an enlarged detail in section of the button; and Fig. 3 perspective views of the several parts composing the button, the same being disconnected.

Like numerals of reference indicate like parts in all the figures of the drawings.

A mattress of the ordinary construction, and of this class, consists of the internal spring-compartment 1, the stuffing 2, and ticking 3.

In constructing the button we employ a preferably slightly conical tube 4, and to the upper end of the same secure by solder or any other desired means the shank of the button.

The button consists of the circular body-portion 5 whose upper edge is swaged over the periphery of a circular convex perforated face-plate 6, as shown at 7. The cylindrical body-portion of the bed is formed internally with or secured to a hollow annular shank 8, and the same is together with the body of the button formed of sheet-metal; and is therefore provided with external screw-threads stamped or otherwise formed therein. Within the lower end of this annular shank

there is secured by solder or other means the outer or larger end of the tube 4.

9 designates a circular disk, which is provided adjacent to its periphery with a series of perforations 10. The disk is formed of sheet-metal and is provided with a central opening 11, and surrounding the same and extending inwardly from the disk is an annular-boss 12 which is of a diameter slightly greater than that of the shank of the button, and is threaded as at 13 internally, for the purpose of engaging with the threads of said shanks.

In applying the device to the mattress an opening is punched through the ticking and the disk applied to the inside of the ticking opposite the opening, at which point the disk and ticking are stitched together by passing a needle carrying a thread back and forth through the ticking and the perforations in the disk, all as indicated at 14. It is simply necessary to grasp the button and tube and introduce the smaller end of the latter through the opening in the ticking and disk forcing it through the stuffing and into the spring-chamber. After pushing the tube as far as possible the button is then rotated and its shank thus screwed into the thread of the annular boss of the disk, whereby, as will be obvious, the disk being secured at the inside of the ticking the button is made secure and the ticking is clamped between the disk and body-portion of the button.

Having described our invention, what we claim is—

The herein-described ventilating-button for mattresses, the same consisting of the tube, the button at the outer end of the same, said button being provided with a threaded shank, and a disk having an opening threaded to engage the shank and adapted to be secured to the inside of the ticking, whereby said ticking is clamped between the disk and button substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

JAMES W. YOUNG.
LAWRENCE H. SCRUGGS.

Witnesses:

JAS. K. POLK,
B. E. DRYDEN.