No. 765,499. PATENTED JULY 19, 1904.

J. P. MARTIN.

VENTILATOR FOR HATS, &c.

APPLICATION FILED FEB. 25, 1904.

NO MODEL.

Fig. 1.

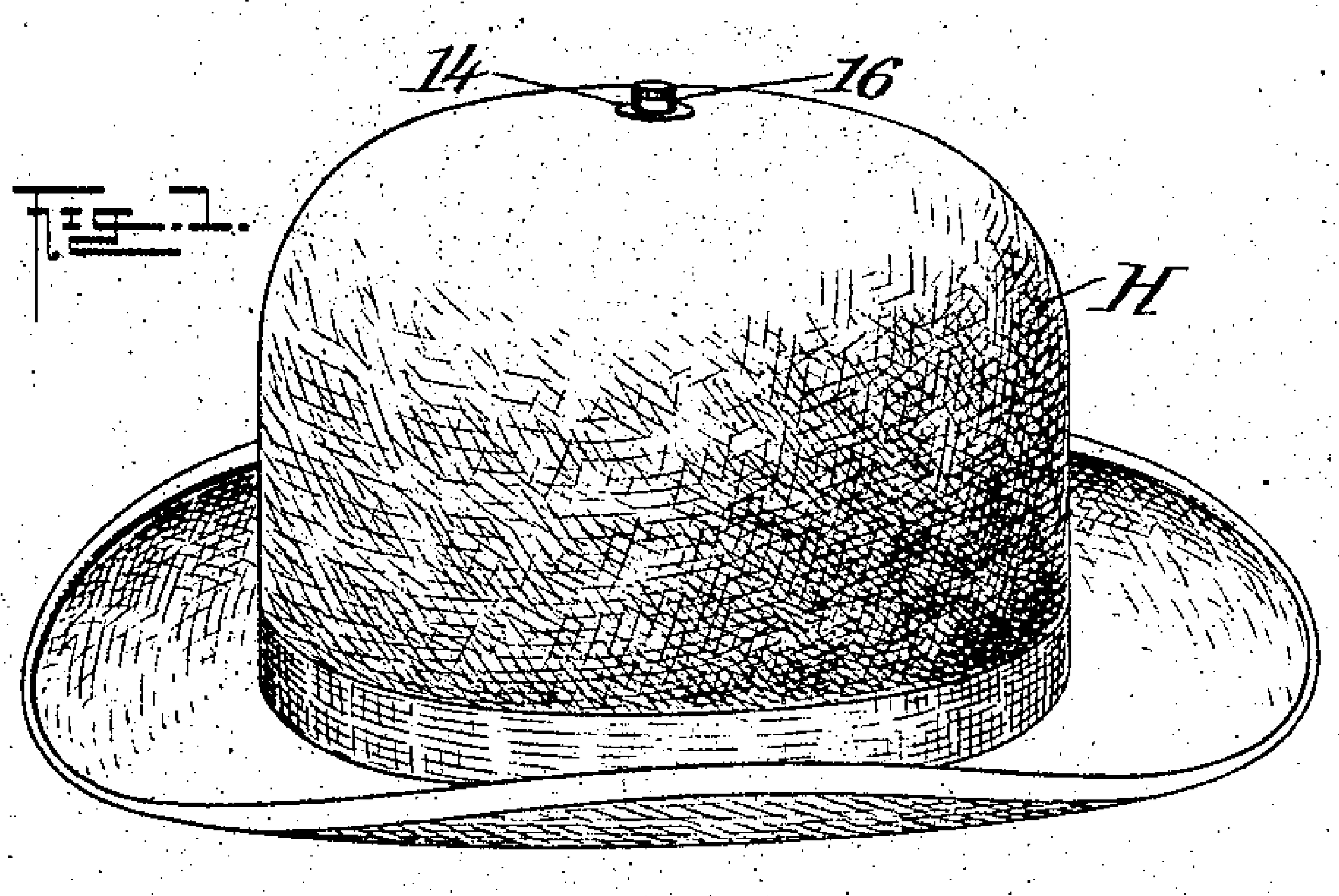


Fig. 2.

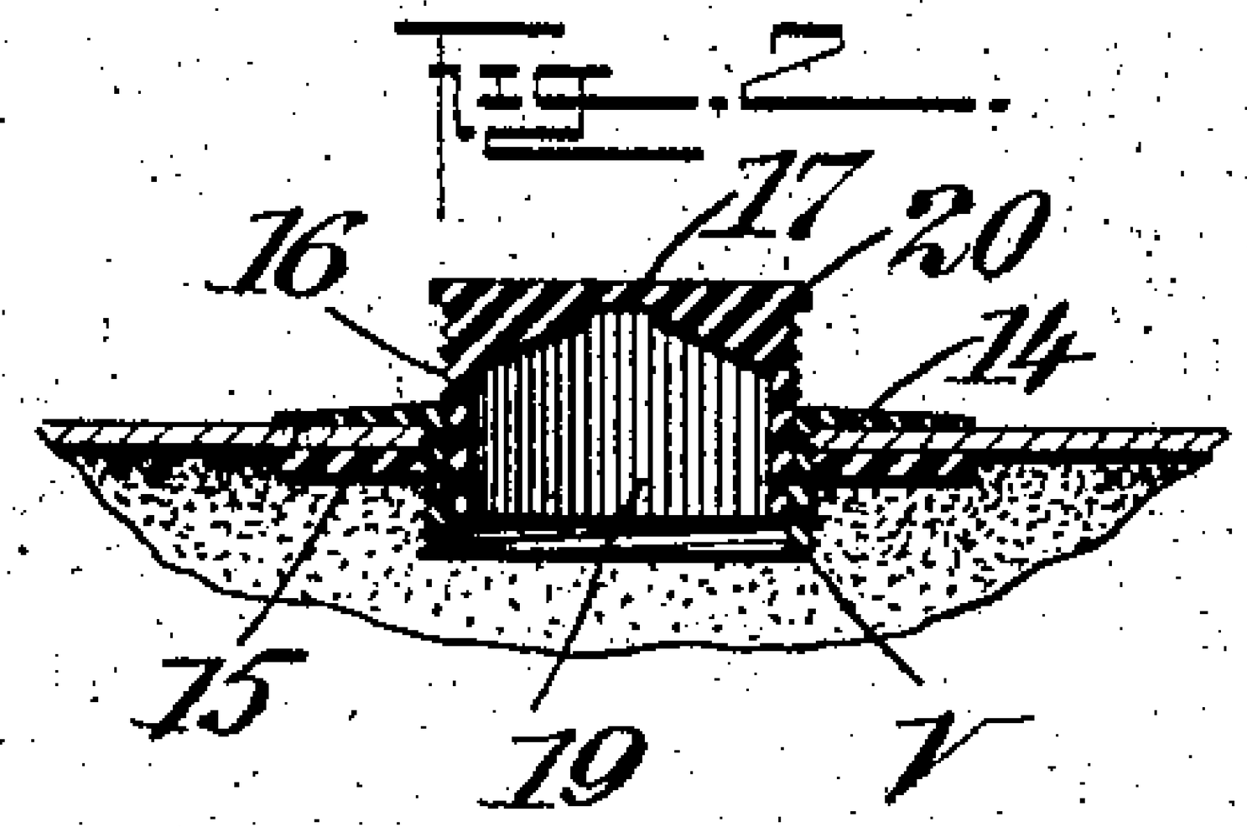


Fig. 3.

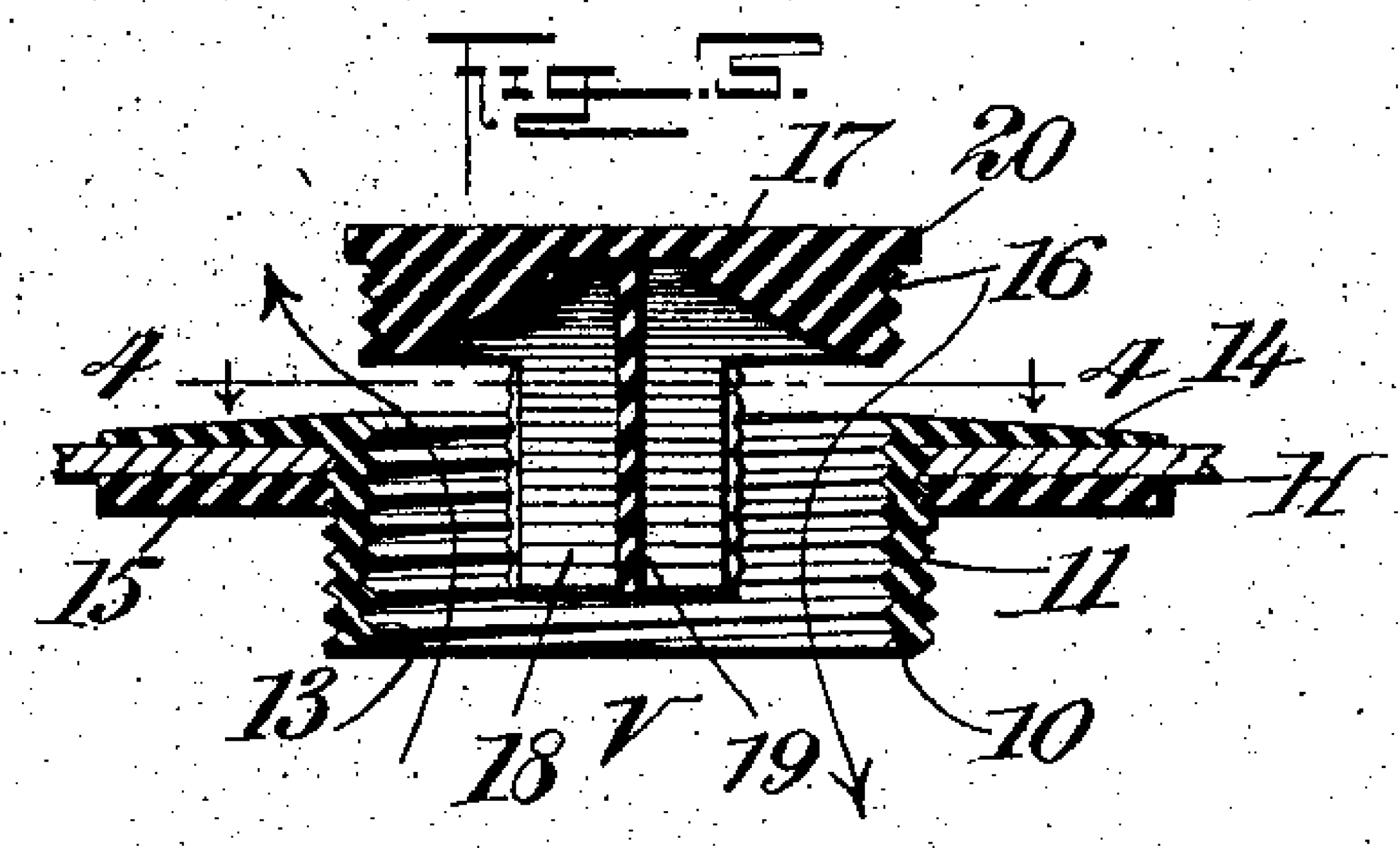
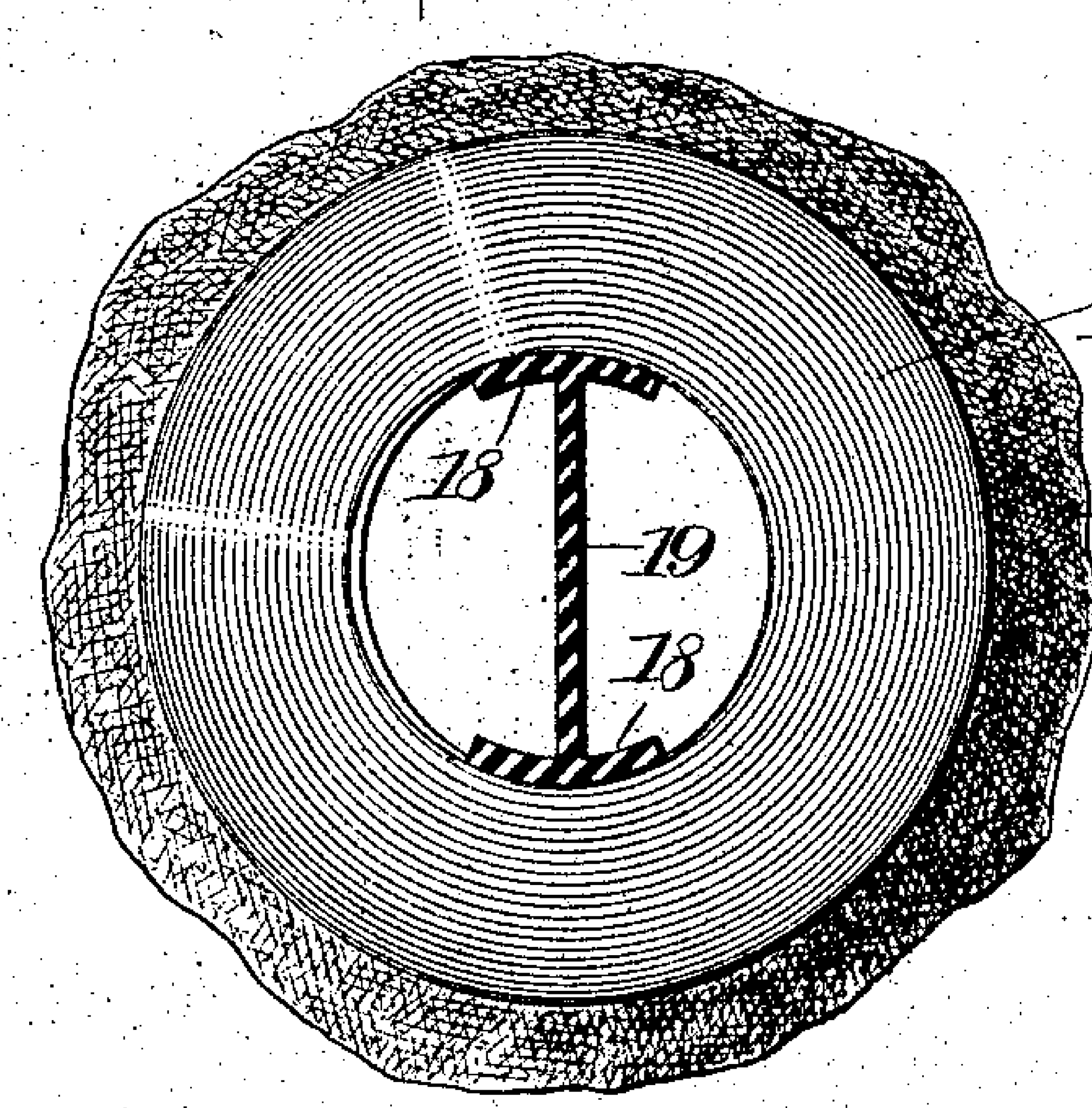


Fig. 4.



WITNESSES:

INVENTOR
John P. Martin
BY
ATTORNEYS

No. 765,499. Patented July 19, 1904.

UNITED STATES PATENT OFFICE.

JOHN P. MARTIN, OF OGDEN, UTAH.

VENTILATOR FOR HATS, &c.

SPECIFICATION forming part of Letters Patent No. 765,499, dated July 19, 1904.

Application filed February 25, 1904. Serial No. 195,174. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. MARTIN, a citizen of the United States, and a resident of Ogden, in the county of Weber and State of Utah, have invented a new and Improved Ventilator, of which the following is a full, clear, and exact description.

My invention relates to ventilators, and more particularly to those adapted for application to hats or such structures as tents. Its principal objects are to provide such a device which while easy to apply will provide an effective and readily-controllable supply of fresh air and simultaneously remove that heated or vitiated.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of one embodiment of my invention applied to a hat. Fig. 2 is a central vertical section taken in the plane of the partition. Fig. 3 is an enlarged vertical section at right angles to the partition, and Fig. 4 is a horizontal section on the line 4 4 of Fig. 3.

The letter V designates a ventilating member adapted to be inserted in the wall of an object or structure which is to be ventilated, which is here shown as a hat H. This member V consists, more essentially, of a cylindrical portion 10, which is threaded externally at 11 and internally at 13 and provided at its upper end with an annular flange 14. Operating upon the outside of the cylindrical portion is a threaded annular ring 15, which serves as a securing member. A closure is provided for the outer opening of the ventilating member, which may consist of a tubular cap 16, closed by a head 17 and having its side walls cut away to form lateral openings, leaving opposite extensions 18 18 depending from the head. These extensions are preferably externally threaded to engage the thread 13. Extending longitudinally of the cap between the extensions 18 is shown a partition 19, which when the cap is in place divides the passage in the ventilating member into two independent passages. From the top of the cap there preferably projects a flange 20, which may extend over and contact with the flange 14 of the ventilating member.

The device is applied by cutting out of the wall in which it is to be inserted a circular section of sufficient diameter to admit the cylinder 10, and the ventilating member is introduced therethrough until the under side of its flange contacts with said wall. The ring 15 is then screwed upon the cylinder 10 into contact with the under side of the wall, thus clamping the member in place.

In use it will be seen that when the cap is turned to its lowest position in the ventilating member this will be completely closed, the overhanging flange 20 excluding dust or rain. Then when it is desired to open the device to effect ventilation the cap is raised by turning it, this resulting in a gradual increase in the distance between the under side of the head and the flange 14, this being adjustable to any desired extent within the limits of movement of the threaded portion. Cool air will now enter upon one side of the partition and will displace the heated or vitiated air, which will rise upon the other side, as is indicated by the arrows in Fig. 3, without interfering with the inflow. In this way a very effective circulation of air may be maintained, and this may be adjusted or entirely stopped at the will of the user.

To combine lightness, strength, and durability, the device may be made of hard rubber; but any other material is within the scope of my invention.

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

1. The combination with a ventilating member having closed side walls forming a passage, of a movable closure for the passage, and a partition movable with the closure and extending longitudinally and across said passage.

2. The combination with a flanged ventilating member provided with a passage, of a securing member movable along the ventilating

member, a movable closure for the passage, and a partition carried by the closure and movable within the passage.

3. In a ventilator, the combination with an internally-threaded cylinder, of a cap having threaded extensions coacting with the cylinder between which extensions are lateral openings.

4. In a ventilator, the combination with an internally-threaded cylinder, of a cap having threaded extensions coacting with the cylinder, and a partition between the extensions.

5. In a ventilator, the combination with an internally and externally threaded cylinder, of a cap situated outside the cylinder and having threaded extensions coacting with the interior of the cylinder between which extensions are lateral openings, and a ring threaded upon the exterior of said cylinder.

6. In a ventilator, the combination with an internally and externally threaded cylinder having at one end an annular flange, of a cap having threaded extensions coöperating with the interior of the cylinder, said cap being movable into contact with the flange, and a ring threaded upon the exterior of said cylinder and coacting with the cylinder-flange.

7. The combination with a ventilating member provided with a cylindrical threaded passage, of a threaded tubular cap provided with an outer closed head and extending into said passage, said cap having a portion of its side wall cut away.

8. The combination with a ventilating member provided with a cylindrical threaded passage, of a threaded tubular cap extending into said passage and having a portion of its side wall cut away, and a longitudinal partition within the cap.

In witness whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN P. MARTIN.

Witnesses:
A. A. WENGER,
FREDERICK BRIND.