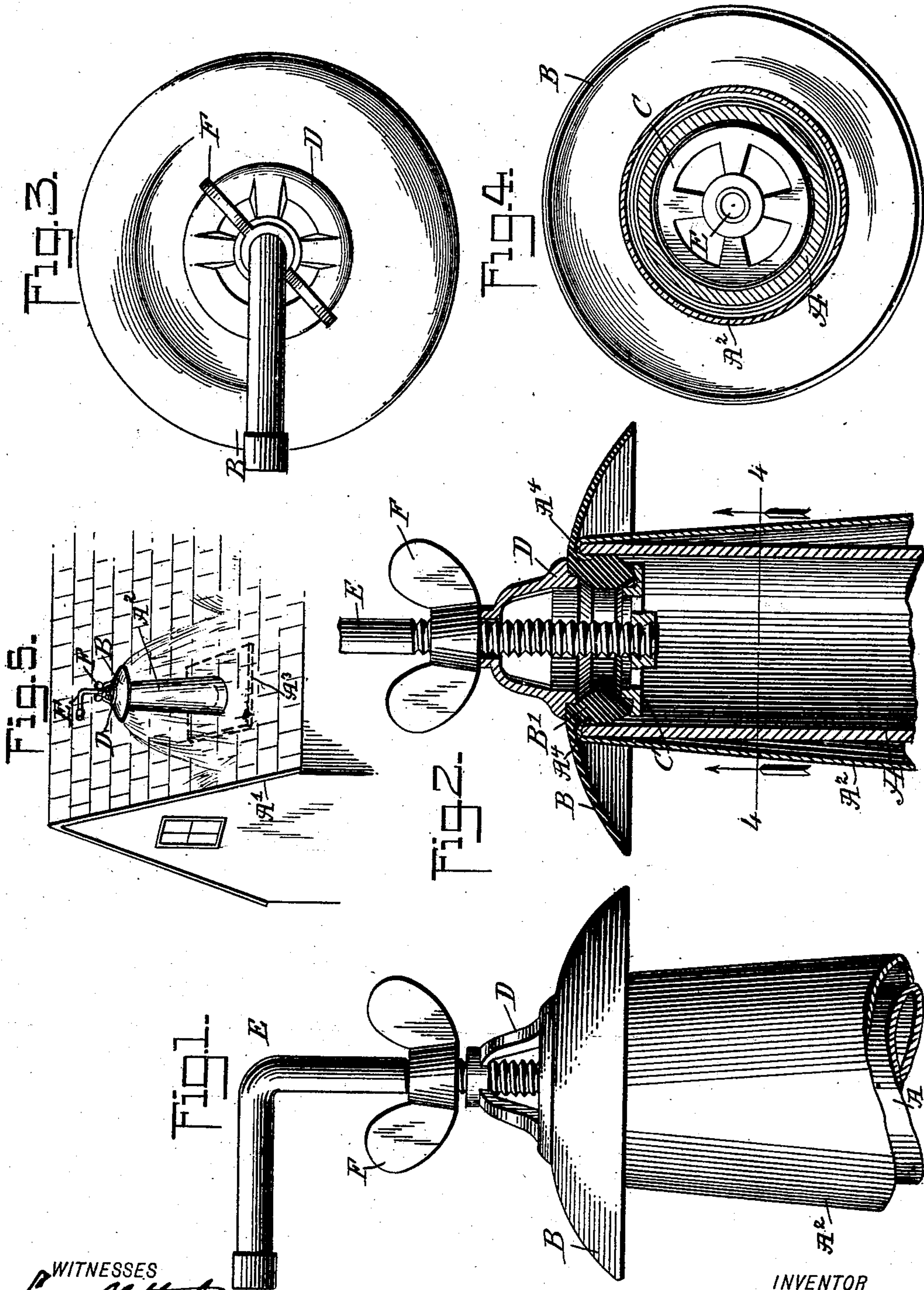


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VENT PIPE ATTACHMENT.  
APPLICATION FILED JUNE 28, 1907.

899,291.

Patented Sept. 22, 1908.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## VENT-PIPE ATTACHMENT.

No. 899,291.

Specification of Letters Patent.

Patented Sept. 22, 1908.

Application filed June 26, 1907. Serial No. 380,903.

*To all whom it may concern:*

Be it known that I, JOHN H. BROWN, a citizen of the United States, and a resident of Keene, in the county of Cheshire and State of New Hampshire, have invented a new and Improved Vent-Pipe Attachment, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved temporary attachment for the upper end of the vent pipe of a building, to guard against leakage between the roof collar and the soil pipe when testing the vent pipe with water, and to allow of conveniently placing the attachment in position prior to the test and to allow quick removal of the attachment after the test is made.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the improvement as applied; Fig. 2 is a sectional side elevation of the same; Fig. 3 is a plan view of the same; Fig. 4 is an inverted plan view of the same on the line 4—4 of Fig. 2, and Fig. 5 is a reduced side elevation of the improvement as applied.

The vent pipe A projects with its upper end above the roof A<sup>1</sup> of the building and is encircled by a roof collar A<sup>2</sup>, preferably of frusto-conical shape, and having its base provided with a flange A<sup>3</sup> nailed to the roof boards and covered by the shingles or other roof covering. The apex end A<sup>4</sup> of the roof collar A<sup>2</sup> is bent inward and downward into the upper end of the vent pipe A and crimped to the inner surface thereof to form a firm connection with the vent pipe A.

On the upper ends of the vent pipe A and roof collar A<sup>2</sup> is removably held a guard or shield B, of inverted dish shape and made of rubber or other elastic material, the guard having a hub B' fitting inside of the vent pipe A, and the crimped portion A<sup>4</sup>, so that the annular guard or shield B projects from the vent pipe A in a downward and outward direction, to cause the overflow of water forced up through the vent pipe A to flow through the hub B' and over the guard, with a view to deflect the overflow of water from

the side of the vent pipe A and roof collar A<sup>2</sup>, thereby preventing leakage of the water through the roof of the building.

In order to securely fasten the guard B in place on the upper end of the vent pipe A, the following device is provided: The bottom and top of the hub B' of the guard or shield B are engaged by skeleton washers C and D, of which the washer C is secured to the lower end of a screw rod E, which extends upwardly and loosely through the top washer D, and on the screw rod E screws a wing nut F and against the top of the washer D, so as to force the same downward with a view to cause the two washers C and D to compress the hub B'. Now in compressing the hub B', the same is spread outward and forced in firm contact with the inside of the vent pipe A and the crimped portion A<sup>4</sup>, to securely clamp the guard B in position on the upper or outer end of the vent pipe A and roof collar A<sup>2</sup>. By the rubber hub B' engaging both the vent pipe and the crimped portion A<sup>4</sup>, the guard is securely held in place during the test.

It is understood that the vent pipe A has to be tested to determine whether the vent pipe is obstructed or unobstructed, and for this purpose water is forced up through the vent pipe A, and this water can readily pass by way of the skeleton washers C and D and the hub B' to the top of the guard or shield B, to flow down the same and be deflected from the vent pipe A, thus preventing leakage of the overflow water through the roof of the building at the joint of the vent pipe A with the roof of the building. After the test has been made, it is only necessary for the plumber or other person to unscrew the wing nut F to relieve the compression on the hub B', so that the device can be readily removed from the upper end of the vent pipe A.

From the foregoing it will be seen that the vent pipe attachment is only temporary, and it can be readily placed in position on the vent pipe prior to the test, and removed from the vent pipe after the test is made.

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

1. The combination of a vent pipe extending through the roof of a building, a roof collar surrounding the projecting end of the vent pipe and having a base for attachment to the roof, the upper end of the roof collar being crimped into the upper end of



the vent pipe, and a temporary overflow guard having a compressible hub fitting in the vent pipe, and means for compressing said hub.

5 2. A temporary attachment for vent pipes, comprising an overflow guard at the upper end of the vent pipe, and means for removably attaching the guard to the said vent pipe.

10 3. A temporary attachment for vent pipes, comprising a guard having a central opening and arranged on the upper end of the said vent pipe for deflecting the overflow of the water forced up the said vent pipe  
15 during the testing thereof.

4. An attachment for vent pipes on buildings, comprising an annular overflow guard having a central opening and removably held on the upper end of the vent pipe and  
20 curved outwardly and downwardly to carry off the overflow water forced up the vent pipe during the testing of the latter.

5. A temporary attachment for vent  
25 pipes of buildings, comprising an annular guard having a compressible hub fitting into the inside of the upper end of the vent pipe,

and means for compressing the said hub to clampingly engage the hub with the inside of the vent pipe.

6. A temporary attachment for vent 30 pipes of buildings, comprising an annular guard having a compressible hub fitting into the inside of the upper end of the vent pipe, washers engaging the top and bottom of the said hub, a screw rod extending loosely 35 through the upper washer, the lower washer being secured on the screw rod, and a nut screwing on the said screw rod and against the said upper washer.

7. A temporary attachment for vent 40 pipes, comprising an inverted dish-shaped guard having a hub adapted to fit in a vent pipe, the whole being formed of elastic material, and means for securing the guard to a  
45 vent pipe.

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

JOHN H. BROWN.

Witnesses:

H. C. BUTLER,

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