No. 766,137. PATENTED JULY 26, 1904.

J. BROPSON.

ROOF FLASHING FOR VENT PIPES.

APPLICATION FILED JAN. 13, 1904.

NO MODEL.

Fig. 1

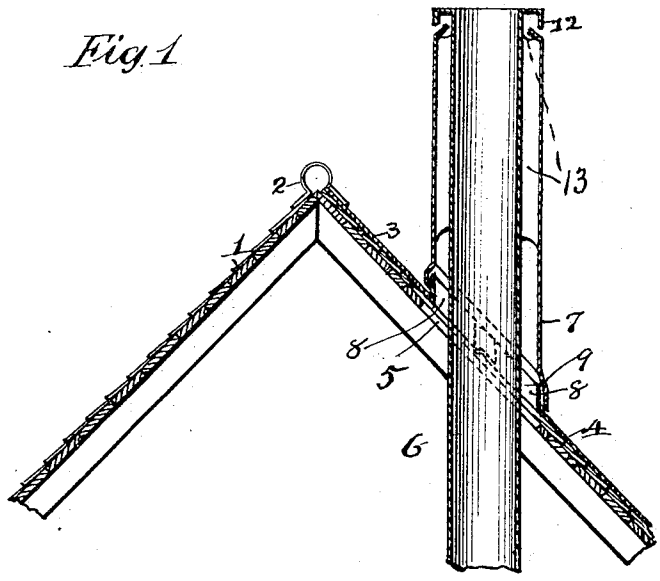
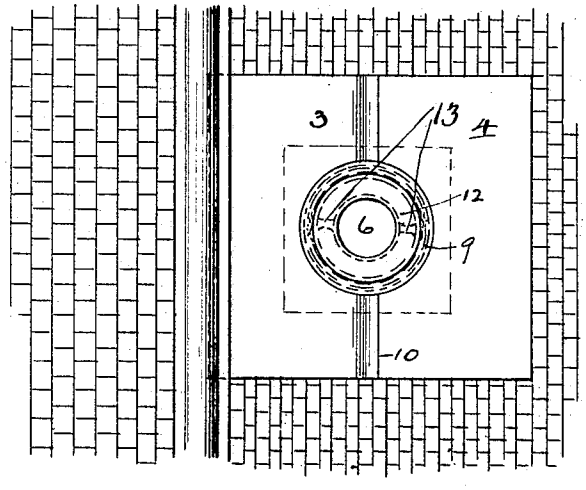


Fig. 2.



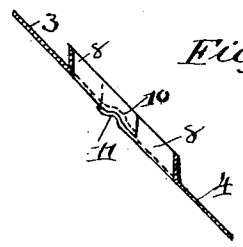


Fig. 3.

Witnesses
Nellie Byers
Fitzie Maloney.

Inventor
James Bropson
by Wm. H. Thomas
Attorney

No. 766,137. Patented July 26, 1904.

UNITED STATES PATENT OFFICE.

JAMES BROPSON, OF CLEVELAND, OHIO.

ROOF-FLASHING FOR VENT-PIPES.

SPECIFICATION forming part of Letters Patent No. 766,137, dated July 26, 1904.

Application filed January 13, 1904. Serial No. 188,931. (No model.)

To all whom it may concern:

Be it known that I, JAMES BROPSON, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Roof-Flashing for Vent-Pipes, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in roof joints and flashings for vent-pipes; and the particular objects of the invention are to facilitate the placing of the flashing, making it possible to put the flashing in place about the pipe without climbing onto the roof.

A further object is to provide means for preventing hoar-frost or any other chilling agent from chilling the upper part of the vent-pipe, and so preventing the upward flow of gas therein.

I accomplish these objects by means of the divided flashing-plate and insulating-sleeve, as hereinafter described, shown in the accompanying drawings, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a transverse section of a roof, showing the vent-pipe and flashing with its insulating-sleeve in central vertical section. Fig. 2 is a plan view of the same. Fig. 3 is a similar section of the flashing, the pipe being removed.

In the views, 1 is the roof; 2, the cap; 3 and 4, the upper and lower sections of the flashing. 5 is an opening in the roof, through which the sections of flashing and pipe 6 are inserted. The upper section 3 is first passed through the opening, and its upper edge is forced under the edge of the cap 2. The lower section is also passed through the opening and laid upon the roof a little below the upper one, leaving plenty of room for the insertion of the pipe and its insulating-sleeve 7, which incloses the upper portion thereof.

Each section of the flashing is provided with a raised semicircular flange 8, the two halves when brought together forming a rim, over which the enlarged lower edge 9 of the sleeve 7 closely fits, thus forming a water-tight joint. The meeting edges 10 and 11 of the sections also overlap, as shown in Figs. 2 and 3, so as to shed water.

When putting the vent-pipe in place, it is first raised high enough to bring the lower edge 9 of the sleeve above the edges of the flanges 8. The semicircular flanges and edges of the sections are then brought closely together, and the expanded edge 9 of the sleeve is dropped over them, thus securing the entire device in position.

The sleeve incloses the pipe, leaving an annular space between them, and a downwardly-turned flange 12 at the top of the pipe prevents moisture from entering this space. The upper edge of the sleeve is also preferably turned in at the top. The sleeve and pipe may be connected together by vertical ribs 13 or by any suitable means.

In a simpler form of construction the overlapping flange 9 can be secured directly to the pipe, thus dispensing with the insulating-sleeve wherever the insulation may not be found essential.

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

1. In combination with a vent-pipe, a horizontally-divided roof-flashing encircling the pipe, semicircular registering vertical flanges on the meeting edges of the sections of the flashing, a sleeve inclosing the vent-pipe at its upper end, the lower edge of which is adapted to overlap the upper edges of the semicircular flanges, and an annular space between the upper edges of the sleeve and pipe, substantially as described.

2. In combination with a roof provided with an opening, a flashing divided horizontally into separable parts, a vent-pipe, a sleeve inclosing the same and separated therefrom by means of an annular space, and a tight joint between the said flashing and sleeve, consisting of vertical flanges on the flashing-sections and an extended overlapping lower edge for the sleeve, substantially as described.

3. In a roof-joint for a vent-pipe, separable flashing-sections, between which said vent-pipe is inserted, an insulating device for the projecting portion of the pipe, and means for

securing the flashings together and for supporting the pipe thereon, substantially as described.

4. In a roof-joint for a vent-pipe, separable flashing-sections, provided with vertical semicircular flanges on their meeting edges, a vent-pipe projecting through the opening between the flanges, and means for insulating the upper portion of the pipe and for securing the parts together consisting of a sleeve inclosing the pipe and forming an annular space about it, the lower edge of which incloses the said semicircular flanges, substantially as described.

5. In a roof-joint for a vent-pipe, separable flashing-sections adapted to be inserted through an opening in the roof, and provided with overlapping edges, and vertical flanges, a vent-pipe passed through the opening between the said sections, and a sleeve over the vent-pipe connected therewith at the upper end, and at the lower end encircling the said vertical flanges of the sections, substantially as described.

In testimony whereof I hereunto set my hand this 17th day of December, 1903.

JAMES BROPSON.

Witnesses:
WM. M. MONROE,
GEO. S. COLE.