S. M. DAWSON & M. SMITH.

ROOF FLASHING.

APPLICATION FILED FEB. 27, 1915.

1,192,279. Patented July 25, 1916.

Fig. 2.

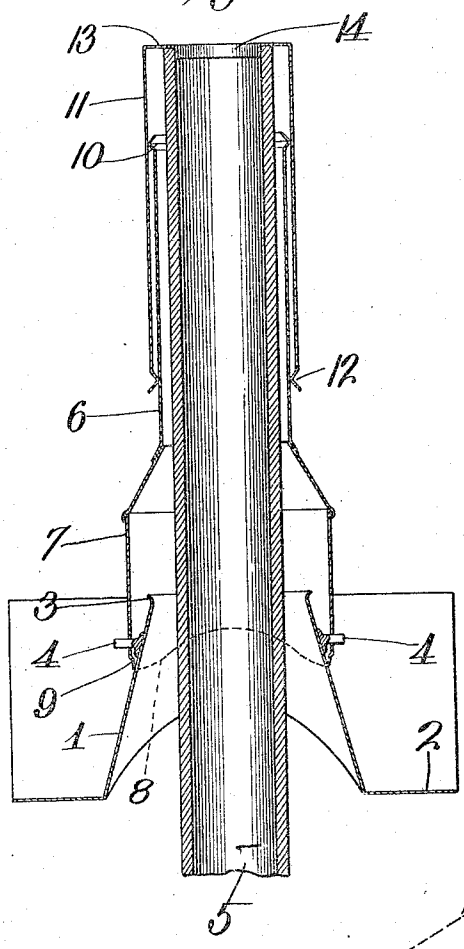
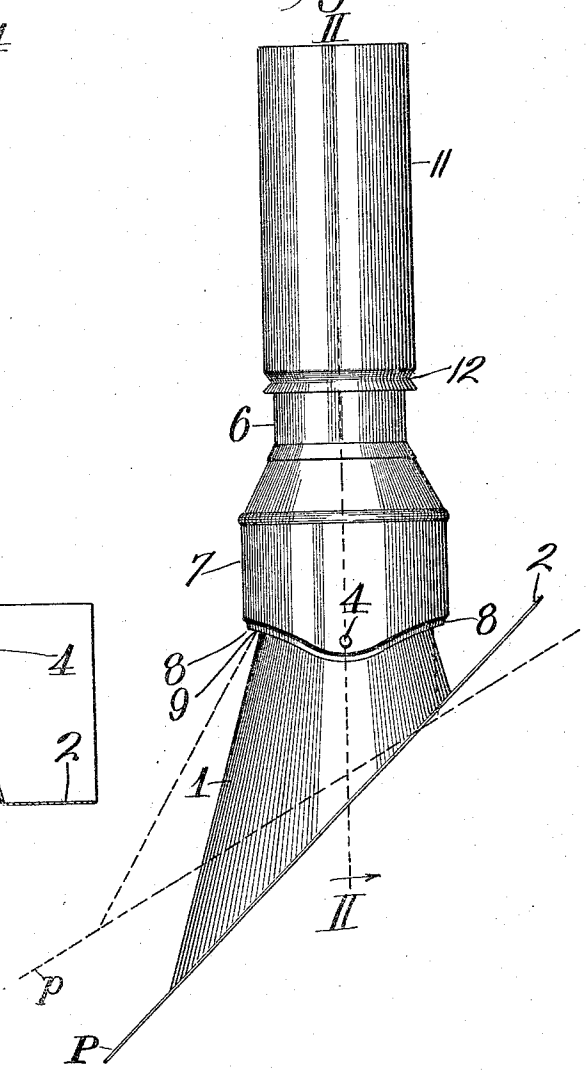


Fig. 1.



WITNESSES:

Frank R. Glore

H. C. Rodgers.

INVENTORS:

S. M. Dawson and

Melvin Smith

BY

George L. Thorpe

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

SAMUEL M. DAWSON AND MELVIN SMITH, OF KANSAS CITY, MISSOURI.

ROOF-FLASHING.

1,192,279. Specification of Letters Patent. Patented July 25, 1916.

Application filed February 27, 1915. Serial No. 11,102.

To all whom it may concern:

Be it known that we, SAMUEL M. DAWSON and MELVIN SMITH, citizens of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Roof-Flashing, of which the following is a specification.

This invention relates to vent pipe flashings, and has for its object to produce a flashing adapted for use on and to accommodate vent pipes projecting vertically upward different distances through roofs of from thirty to sixty degrees pitch.

A further object is to produce a flashing of the character named which is weather proof, can be easily and quickly secured in position, and embodies the desirable features of simplicity, strength, durability and cheapness of construction.

With these objects in view the invention consists in certain novel and peculiar features of construction and combinations of parts as hereinafter described and pointed out in the appended claim, and in order that it may be fully understood reference is to be had to the accompanying drawing, in which—

Figure 1, is an elevation of a roof flashing embodying our invention, the dotted lines indicating a different adjustment of the base member of the flashing to accommodate a roof of different pitch from that shown by the base member in full-line position. Fig. 2, is a central vertical section on the line II—II of Fig. 1.

The base member of the flashing comprises a truncated conical portion 1, with its lower margin pitched at an angle of approximately forty five degrees to the horizontal and provided at such pitched end with an outwardly projecting flange or base 2. The upper end of the member is bent outward at 3, and performs the double service of constituting an outwardly and downwardly facing shoulder and a stiffening bead. At a suitable distance from its upper end the truncated conical portion is provided with diametrically opposite pivot studs 4, the same being horizontal and parallel with the ridge, not shown, of the pitched portion of the roof. The conical portion of the member is fitted down over and disposed concentrically with respect to the vent pipe 5.

6 is a tube of slightly larger diameter than the vent pipe, and provided with an enlarged lower end 7, of diameter slightly greater than the diameter of the conical base portion 1 in the horizontal plane of the pivot studs 4 thereof, and pivotally mounted upon said studs so as to be capable of relative pivotal movement toward and from the ridge of the roof.

The lower edge of the enlargement 7 of tube 6 is concaved at both sides of the vertical plane of said pivots as at 8, in order that the relative adjustment of tube 6 toward and from the ridge of the roof may be effected, that is to say in order that the pivotal adjustment of the conical member 1 on pivots 4 toward and from the ridge of the roof may take place to accommodate different pitches of the roof as indicated by the full line P and dotted line *p*.

To stiffen the lower end of the enlargement 7 and to coöperate with the outturned bead 3, in excluding snow from the interior of the conical base member 1, the lower end of the enlargement 7 is provided with an inwardly projecting flange 9, and it will be seen that when the axes of the base member and the tube 6 are vertical, as shown in Fig. 1, there is some space between the base member and the enlargement 7 of the tube 6 at the sides of said enlargement nearest the highest and lowest parts of flange 2 to accommodate the pivotal adjustment of the base member, this space being narrowed by reason of the inwardly projecting flange 9 so that the quantity of snow which might blow upward into the enlargement 7 will be reduced to the minimum.

The upper end of the tube 6 is enlarged by means of an internally channeled bead 10 frictionally engaging the inner side of a cap tube 11, fitting telescopically on tube 6 and provided with an inwardly projecting bead 12, snugly engaging the tube 6, the beads 10 and 12, engaging the tubes 11 and 6 respectively, providing a substantial guide for the telescopic adjustment of the tubes and besides strengthening the same and excluding rain and snow from both of them. Said beads also prevent accidental separation of the telescoping tubes. The tube 11 is provided at its upper extremity with an inwardly projecting flange 13 which rests on top of the vent pipe 5 and is formed at its inner edge with the depending flange 14, fitting within tube 5 and coöperating with beads 10 and 12 in holding the telescopic

tubes 6 and 11 in concentric relation to the vent pipe and against play which would result in objectionable noise or rattling in windy weather, it being apparent that the tube 11 is adjustable on tube 6 to accommodate the length of the vent pipe, and is suspended upon the latter. By this telescopic construction, the flashing accommodates the distance which a vent pipe projects above the roof as will be readily understood, and through the pivotal connection of the telescopic elements of the device with the rigid conical base portion 1, the telescopic portion will always occupy a vertical position irrespective of the pitch of the roof upon which the base portion is secured.

From the above description it will be apparent that we have produced a vent pipe flashing possessing the features of advantage enumerated as desirable and we wish it to be understood that while we have illustrated and described the preferred embodiment of the invention, we reserve the right to make all changes falling within the spirit and scope of the appended claim.

We claim:

A vent pipe flashing comprising a truncated conical base portion to fit around a vent pipe extending through a pitched roof, the lower end of said portion being pitched to correspond with said roof and provided with outwardly projecting flanges for securement to said roof, said portion also having diametrically opposite outwardly-projecting pivot pins extending parallel to the ridge line of the pitched roof, a tube fitting around the vent pipe and provided with an enlarged lower end fitting over the truncated upper end of the base portion and pivoted on said pivot pins and provided with curved recesses in its lower end at right angles to said pivot pins to space the lower end at the recessed points outward from the conical base portion and thereby accommodate pivotal movement between the tube and the base portion at right angles to the said ridge of the roof; the lower edge of said enlarged portions being flanged inward to effect a close fit with the base portion adjacent the pivot pins, and to diminish the width of the space between said enlarged portion and the base portion at the recessed edges of the former without interfering with proper pivotal movement between said portions.

In testimony whereof, we affix our signatures, in the presence of two witnesses.

SAMUEL M. DAWSON.
MELVIN SMITH.

Witnesses:
PERCY A. BUDD,
G. Y. THORPE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."