

H. B. MIKESELL.
ROOF JOINT.
APPLICATION FILED JUNE 10, 1909.

957,980.

Patented May 17, 1910.

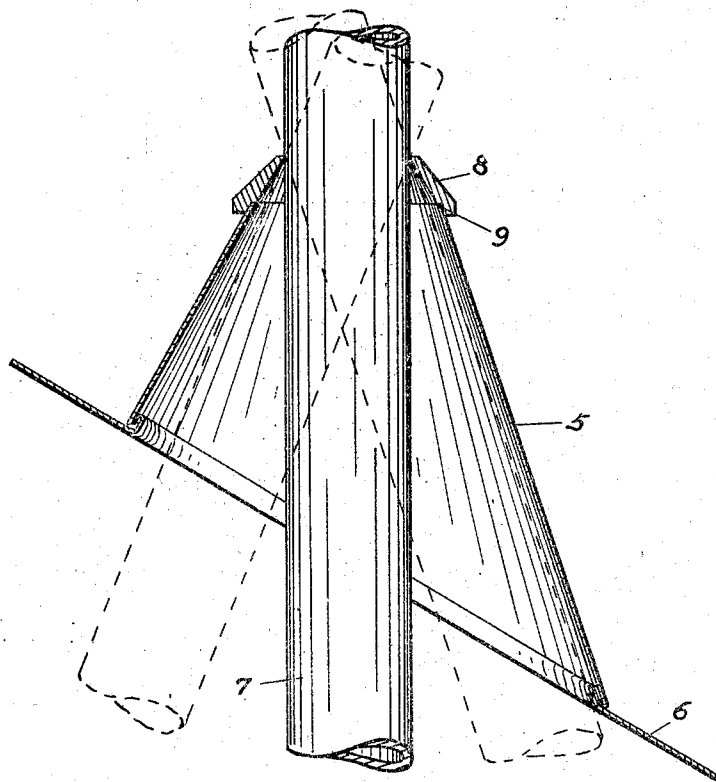


Fig. 1

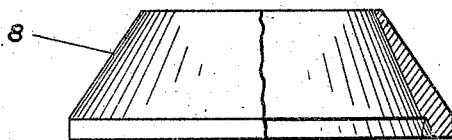


Fig. 2

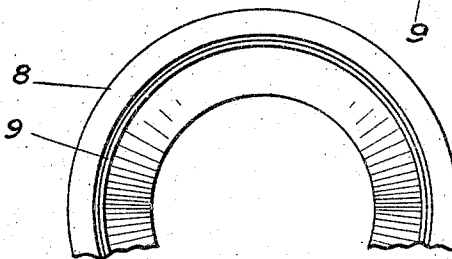


Fig. 3

WITNESSES:
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HARRY B. MIKESELL, OF SPOKANE, WASHINGTON.

ROOF-JOINT.

957,980.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed June 10, 1909. Serial No. 501,320.

To all whom it may concern:

Be it known that I, HARRY B. MIKESELL, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Roof-Joints, of which the following is a specification.

This invention relates to that class of joints designed to provide a tight joint around a soil or other pipe where it passes through the roof of a building, and it consists in a novel construction and arrangement of parts to be hereinafter described and claimed.

It is the object of the present invention to provide a joint of the kind stated which is simple and reliable, and which can be quickly and easily made.

Another object of the invention is to provide a joint structure which can be applied to any slope of roof.

The invention is illustrated in the accompanying drawing in which—

Figure 1 is a vertical section. Fig. 2 is an elevation, partly in section, of the calking sleeve to be hereafter described, and Fig. 3 is an inverted plan view of a fragment thereof.

Referring more particularly to the drawing, 5 denotes a frusto-conical collar, to the lower edge or base of which is secured an outstanding flange 6 whereby the collar is secured to the roof (not shown), said lower edge being cut at a slant to correspond to the slope of the roof to which it is applied. The soil or other pipe 7 passes through this collar, and extends to any desired height above the same.

On the upper edge of the collar 5 is supported a calking sleeve 8 which is made of lead or some other soft malleable metal or alloy. The sleeve is frusto-conical in shape, and has adjacent to its base an internal shoulder 9 which seats on the upper edge of the collar 5, whereby the sleeve is held in place thereon. The pipe 7 also passes through the sleeve at a close fit with the upper or contracted end thereof.

In assembling the joint, the device is slipped down over the pipe 7 and secured to the roof by means of the flange 6. The conical shape of the sleeve 8 permits this to be readily done. The upper end of the sleeve fits quite snugly around the pipe, but a still closer joint is made by forcing said end into still closer contact with the pipe. Inasmuch as the sleeve is malleable, and the pipe is spaced from the major portion thereof, as well as from the collar 5, the entire device can be set at different angles to the pipe after it is slipped over the same as stated, to conform to the pitch or slope of the roof. It will be noted that the lower end of the sleeve exteriorly surrounds the upper end of the collar, in view of which it will shed rain and prevent the same from entering at this point. The sleeve is tapered in thickness in the direction of its upper end, which makes it thin at this end, and more pliable, and, consequently, more readily hammered around the pipe. It will also yield more readily to permit the herein-described adjustment.

I claim:

A roof joint comprising a collar having means for attachment to the roof, and adapted to inclose a pipe, a frusto-conical calking sleeve of malleable material exteriorly surrounding and supported on the upper end of the collar, said sleeve being conical on its interior, and tapered in thickness in the direction of its upper end, to fit the pipe and to be forced down thereon, said pipe being spaced from the collar and from the major portion of the sleeve sufficiently to permit the collar to be set at different angles to the pipe, and the sleeve being adapted to have its upper end forced into still closer contact with the pipe.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY B. MIKESELL.

Witnesses:

H. E. SMITH.
NETTIE KING.