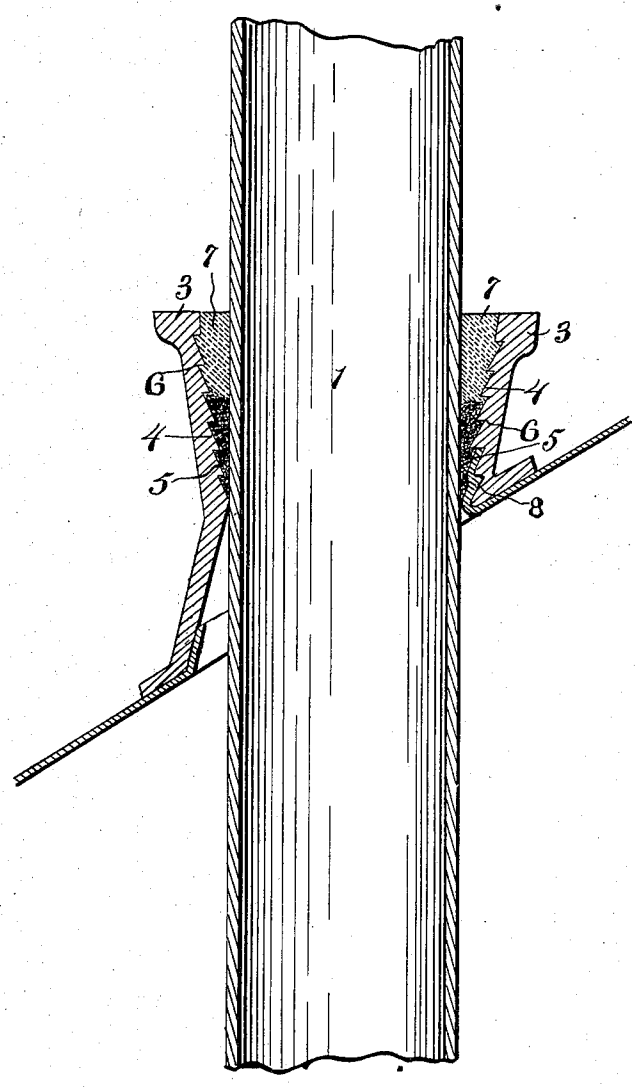
No. 738,662. PATENTED SEPT. 8, 1903.

A. W. CRAM.

PIPE CONNECTION.

APPLICATION FILED JAN. 28, 1902.

NO MODEL.



Inventor

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Witnesses

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No. 738,662. Patented September 8, 1903.

UNITED STATES PATENT OFFICE.

ALONZO W. CRAM, OF HAVERHILL, MASSACHUSETTS.

PIPE CONNECTION.

SPECIFICATION forming part of Letters Patent No. 738,662, dated September 8, 1903.

Application filed January 28, 1902. Serial No. 91,617. (No model.)

To all whom it may concern:

Be it known that I, ALONZO W. CRAM, a citizen of the United States, residing at Haverhill, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Pipe Connections, of which the following is a specification.

My invention relates to improvements in pipe connections, and pertains to a connection especially intended for use in connection with pipes extending through roofs; and it consists in certain details of construction, which will be fully described hereinafter and particularly pointed out in the claims.

The accompanying drawing indicates a vertical section of a roof with a pipe extending therethrough and showing my invention applied thereto.

Referring now to the drawing, 1 indicates the pipe passing through the roof, and 3 a socket surrounding the said pipe and having its lower end formed on an incline, as illustrated, to rest against the outer surface of the roof. This socket 3 tapers outwardly and is provided with serrations 4, constructed and adapted to hold a calked packing 5, placed therein, and to prevent it from becoming dislodged or loose and at the same time to hold the packing to its forced position when calking or forcing the same into the space between the socket and the pipe passing therethrough. As here shown, and preferably, I desire to form the serrations 4 with inwardly-extending shoulders or abutments 6, like unto saw-teeth, and by which detail of construction the calking is more securely held in its calked position, as will be readily understood. Generally oakum is placed at the inner end of the calked joint, as shown at 5, and then lead calking 7 is placed in the outer portion thereof and forced therein by the usual calking operation. When calking the same, the blows or effect is felt at the inner end of the socket, thus making a secure and tight joint, and the calking is held against rebounding by the serrations and is held from becoming loose or displaced after the joint is completed.

The inclined lower end of the socket or collar 3 rests upon a flashing-plate which has a flange 8 turned up within the socket, as clearly illustrated.

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

1. A pipe connection comprising a tapering socket having its lower end cut at an angle, serrations in the inside of said socket, a flashing adapted to rest upon a roof and turned up within said socket, a piping extending through the said socket, and calking within the said socket between the pipe and the flashing, substantially as described.

2. A pipe connection comprising a tapering collar surrounding a pipe extending through a roof and having its lower end cut at an angle, serrations on the inside of said socket, a flashing adapted to be secured to a roof and turned up within the said socket, the upturned end resting in the serrations, and a calking between the said upper end and the piping, whereby the upper end of said flashing is made to conform with the serrations, substantially as described.

3. A pipe connection comprising a tapering collar surrounding a pipe extending through a roof, said tapered collar having its lower end flared outward and downward, serrations on the inner side of said tapered portion, a flashing adapted to rest upon a roof and having an upwardly-extending flange, the upper portion of said flange resting against the serrations in the collar, and a calking between the pipe and said upper portion of the flange, whereby when the calking is tightly driven in the flange conforms to the shape of the serrations, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ALONZO W. CRAM.

Witnesses:
FRED. L. CRAM,
LOVETT W. RING.