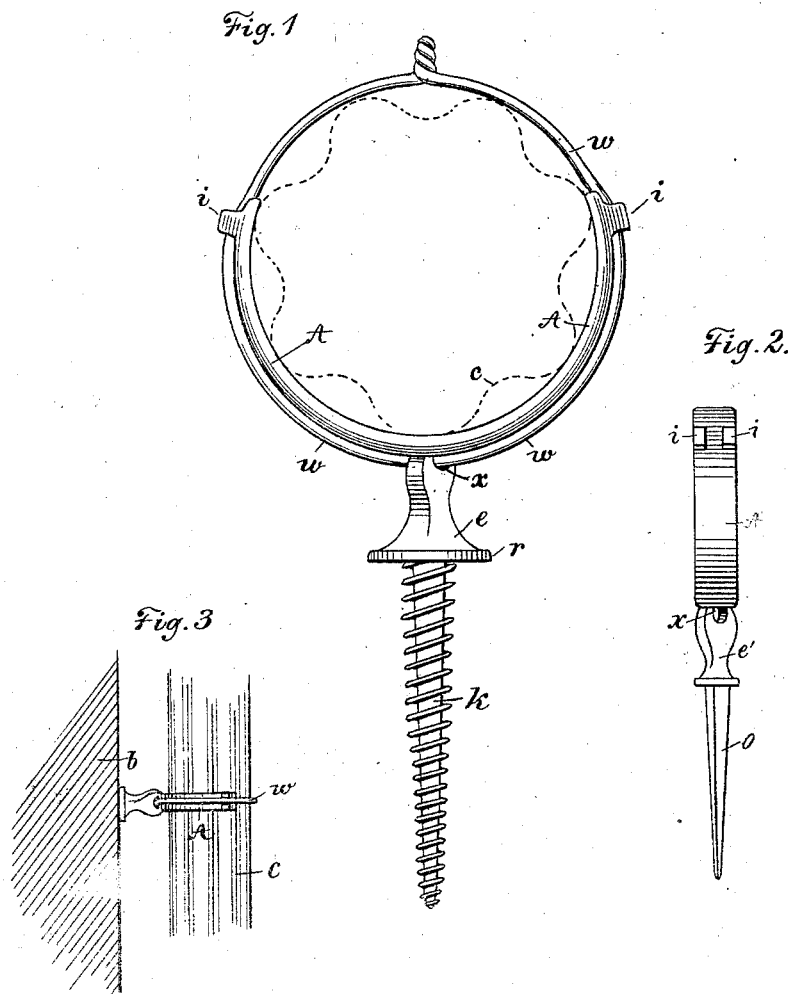


(No Model.)

E. G. MINNEMEYER.
PIPE HANGER FOR WATER CONDUCTORS.

No. 489,083.

Patented Jan. 3, 1893.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD G. MINNEMEYER, OF PEORIA, ILLINOIS.

PIPE-HANGER FOR WATER-CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 489,083, dated January 3, 1893.

Application filed July 7, 1892. Serial No. 439,201. (No model.)

To all whom it may concern:

Be it known that I, EDWARD G. MINNEMEYER, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Pipe-Hangers for Water-Conductors; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in pipe-hangers or supporters for water conductors by means of which a pipe-hanger is provided, being simple in construction, very useful for the purpose designed, durable and cheap in first cost.

More particularly my invention relates to a pipe-hanger or supporter for water conductor designed for adjustment upon a building in such manner as to hold the said pipes in a position somewhat removed from the building and to form a durable support therefor and of suitable means for securing a pipe or down spout in firm adjustment within the said support and of certain other details of construction hereinafter to be mentioned.

The essential features of my invention consist of a base formed with a flat bearing surface integral with which is provided a screw or spike for penetrating surfaces upon which it is designed to be adjusted and of bifurcated bearing arms shaped to conform with the usual pipes or down spouts of a circumferential wire suitably held in connection with the support and designed to be twisted with its terminal ends together, all of the uses and advantages of said such several parts to be more fully described in connection with the drawings hereinafter to be more fully described and to be set forth.

That my invention may be more fully understood reference may be had to the accompanying drawings in which:

Figure 1 shows a front elevation of my complete device showing the pipe held in adjustment therein. Fig. 2 is a side elevation of the support proper provided with a spike instead of screw as shown in Fig. 1. Fig. 3 illustrates the manner of applying my device in practical use.

In the figures (e) represents a base formed

as shown and terminating at its bottom portion in the circular bearing plate or portion (r).

(k) is a screw integral with and protruding from the central portion of the bearing face or portion (r).

A--A are bifurcated arms curved as shown and integral with the base (e) and are formed to extend a portion of the way around a pipe or down spout to partially embrace the same and are provided with the raised portions (i-i).

(x) is a perforation through the neck portion of the base (e).

(w) is a wire designed to be carried through the perforation (x) around the outer surfaces of the curved arms A--A and between the raised portions (i-i) upon the respective free ends of the said arms and over the portion of the pipe not embraced between the said arms with the free ends of the said wire twisted together sufficiently to draw the respective arms inwardly in close contact with the pipe or down spout therein embraced, thus firmly to hold the down spout in position.

To apply the device for practical purposes it is first necessary to secure the supports to the building in proper alignment to carry a pipe or down spout with the device screwed or driven into the material of the building until the bearing face of the base bears firmly against the said material of the building which adjustment will prevent the support from being easily pushed from its position and alignment when the pipe is adjusted within and between the bifurcated arms the wire drawn through the perforation (x) around the said arms and between the raised portions (i-i) and over the portion of the pipe not embraced within the arms and the free ends thereof twisted together with a proper degree of tension to prevent the pipe or spout from slipping or turning within the said support, thus providing a neatly appearing, effectual and a completely useful pipe hanger or supporter for down spouts.

The particular advantages of the device as previously explained in part are that it provides a very cheap support and besides the construction is such that it holds the pipe away from the building thus obviating the difficulty and disagreeable effect of water running down the outside portion of the pipe

coming in contact with the building to stain the same by the mixture of the water and rust which inevitably results when said pipes are carried in close contact with a building in case of leakage in said pipes and natural flow of water down the outside surfaces during rainstorms; and further that it affords an effectual support which will hold the pipe firmly in position and any lost motion resulting from rust or other cause may readily be taken up by simply twisting the wires.

The material used in the construction of the said hanger or support is not essential and the general form may be varied and the elemental parts substituted changed or modified to suit the special application which may be made or in which it may be desired to be used.

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

1. In a pipe-hanger, a combination with the hanger proper formed with the base (*e*), screw (*k*) integral with the bearing face thereon, the bifurcated arms A—A; the circumferential wire (*w*), all substantially as described and set forth.

2. In a pipe-hanger, the base (*e*) having a

flat bearing surface with a screw or spike integral with and protruding therefrom and being further provided with the bifurcated arms A—A and the combination therewith of the circumferential wire (*w*) designed to bear around the semi-circle formed by the bifurcated arms and over a spout therein supported with the ends of the wire twisted together, all substantially as described and set forth.

3. In a pipe-hanger, the bifurcated arms A—A supported by the base (*e*) and provided with suitable lugs as (*i—i*) and with the base (*e*) provided with a flat bearing surface and having a screw or spike protruding therefrom and in combination with the portion of the hanger so formed, the circumferential wire (*w*) bearing through the perforation (*x*) in the neck portion of the base and between the lugs (*i—i*) with the ends thereof designed to be twisted together, all substantially as described and shown.

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

EDWARD G. MINNEMEYER.

Witnesses:

W. V. TEEFT,

R. N. M'CORMICK.