June 9, 1925. 1,541,129

J. W. FARLEY

PIPE HANGER

Filed Feb. 25, 1924

FIG. 1.

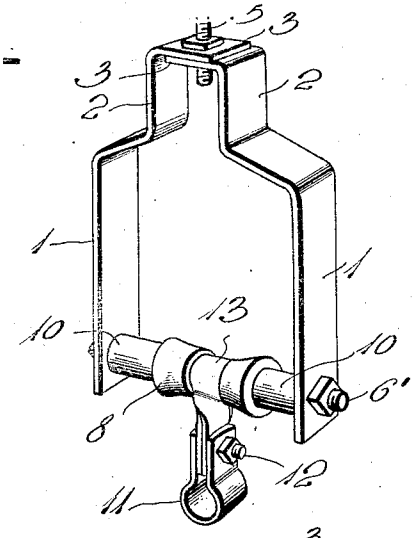
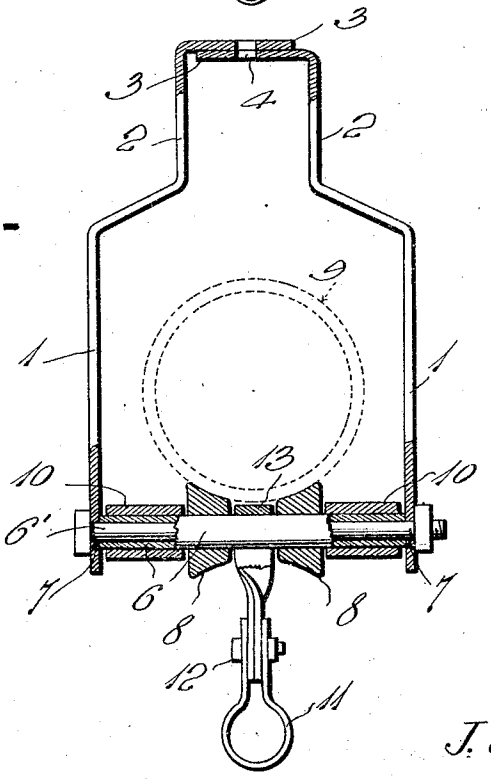


FIG. 2.



Witness
H. Woodard

Inventor
J. W. Farley

By A. B. Wilson & Co
Attorneys

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UNITED STATES PATENT OFFICE.

JOHN W. FARLEY, OF CLEVELAND, OHIO.

PIPE HANGER.

Application filed February 25, 1924. Serial No. 695,024.

To all whom it may concern:

Be it known that I, JOHN W. FARLEY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Pipe Hangers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention aims to provide an extremely simple and inexpensive, yet an effective pipe hanger, constructed to permit slight longitudinal movement of the pipe with respect to the hanger, without danger of injuring any insulating covering with which the pipe may be provided.

Another object is to associate a return pipe hanger with the main hanger, in a novel manner.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a perspective view.

Figure 2 is a vertical sectional view, partly in elevation.

In the drawing above briefly described, the numerals 1 designate a pair of metal side bars disposed vertically and preferably having their upper end portions offset inwardly as indicated at 2, the upper extremities of these offset portions, being bent inwardly to provide overlapping ears 3 having alined openings 4 to receive a suspending bolt or the like 5. By having the two thicknesses of metal, through which the bolt or the like 5 passes, the hanger is reinforced at this point of strain.

Extening between the lower ends of the side bars 1, I have shown a short sleeve 6 which abuts the inner sides of said bars, and a bolt 6′ is passed through openings 7 in these bars and through the sleeve 6 to tightly hold the bars in contact with the sleeve. Rotatably mounted upon the sleeve 6, which constitutes a shaft member I have illustrated a pair of substantially conical rollers 8 whose peripheries are suitably curved for engagement with a pipe 9 or with a covering around a pipe. Spacing sleeves 10 surround the sleeve 6 between the rollers 8 and the side bars 1 and these sleeves may be of any desired length, according to the diameter of the pipe to be supported.

Between the rollers 8, I prefer to mount a return pipe hanger upon the sleeve 6. This hanger is shown in the form of a substantially U-shaped clip 11 having the upper ends of its arms secured by a bolt 12 to the depending ends of a metal strap 13 which is bent around the sleeve 6, said strap 13 being given a quarter twist as shown. In addition to constituting an auxiliary pipe hanger, it will be seen that the strap 13 spaces the rollers 8 against inward movement toward each other before application to a pipe.

Excellent results may be obtained from the details disclosed and they will permit any necessary amount of longitudinal movement of the pipe, with respect to the hanger, and due to the formation of the rollers 8 and the fact that they may be spaced proper distances apart, there is no danger of injuring any insulating covering with which the pipe may be provided.

I claim:

1. A pipe hanger comprising a pair of vertically disposed side bars, a spacing sleeve extending between and abutting the lower ends of said side bars, a bolt passing through said side bars and sleeve and holding the former tightly against the latter, a pair of separate rollers rotatably mounted on said sleeve, a pair of additional spacing sleeves surrounding the first named sleeve between said rollers and said side bars, and another spacer between said rollers.

2. A pipe hanger comprising a horizontal shaft member and means for supporting the same, a pair of independently rotatable spaced rollers rotatably surrounding said shaft member, means holding said rollers against spreading, and a spacer on said shaft member between said rollers serving to hold the latter against movement toward each other.

In testimony whereof I have hereunto affixed my signature.

JOHN W. FARLEY.