

No. 868,694.

PATENTED OCT. 22, 1907.

H. M. PARKS.
PIPE HANGER.

APPLICATION FILED MAY 11, 1907.

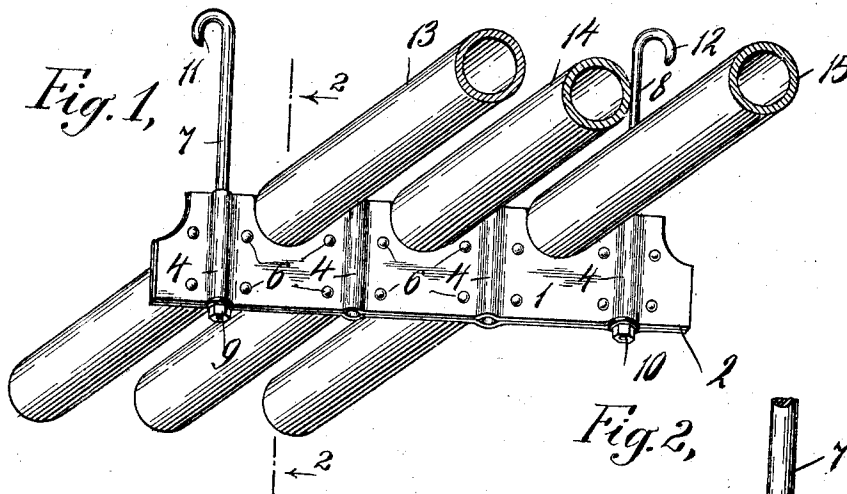


Fig. 2,

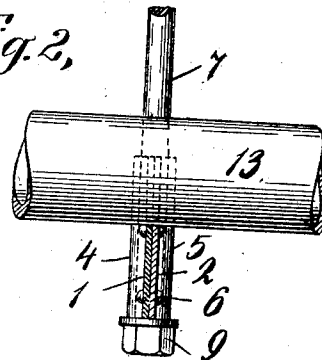


Fig. 3,

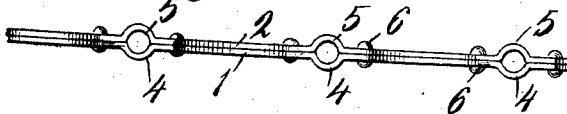


Fig. 4,

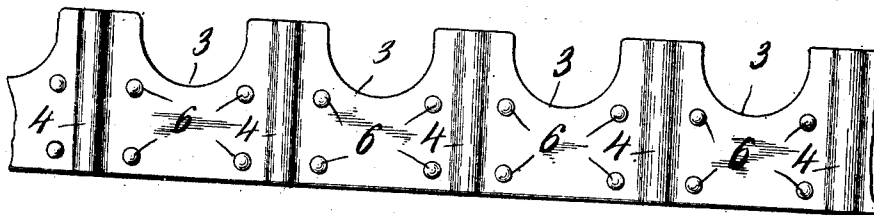
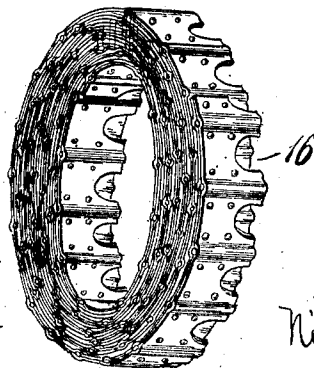


Fig. 5,



WITNESSES:

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HOWARD M. PARKS, OF FITCHBURG, MASSACHUSETTS.

PIPE-HANGER.

No. 868,694.

Specification of Letters Patent.

Patented Oct. 22, 1907.

Application filed May 11, 1907, Serial No. 373,064.

To all whom it may concern:

Be it known that I, HOWARD M. PARKS, a citizen of the United States, and a resident of the city of Fitchburg, county of Worcester, and State of Massachusetts, have invented certain new and useful Improvements in Pipe-Hangers, of which the following is a specification.

This invention relates to pipe hangers for supporting pipes or coils.

An object of the invention is to provide a cheap and efficient pipe hanger construction which may be made up in mill lengths for stock from which any suitable length may be cut off to accommodate a particular number of pipes to be suspended.

A further object of the invention is to provide a cheap and efficient hanger which may be suspended at various desired intervals throughout its length according to the number of pipes to be carried and according to the accessibility of suitable means to which suspension rods may be secured.

A preferred embodiment of the invention is illustrated in the accompanying drawings, which form part of this application, in which like numerals designate corresponding parts, and in which,—

Figure 1 is a perspective view showing a section of the pipe hanger construction provided with two suspension rods and supporting three pipes; Fig. 2 is a vertical section through line 2—2 of Fig. 1 showing a pipe in side elevation; Fig. 3 is a top plan of a section of the pipe hanger construction; Fig. 4 is a side elevation of a section of the pipe hanger construction; and Fig. 5 is a roll of the pipe hanger construction showing a mill or stock length.

Referring now more in detail to the drawings, 1 and 2 designate two continuous complementary strips of sheet metal, preferably wrought or pressed steel. Along the upper edges of the strips 1 and 2 is provided a series of curved pipe holding notches 3.

At each side of each notch there is preferably provided a semi-tubular transverse rib or corrugation 4 for the strip 1 and 5 for the strip 2. The strips 1 and 2 are preferably riveted one to the other by rivets 6 adjacent the semi-tubular ribs so that said ribs are secured in juxtaposition, as shown particularly in Fig. 3, and so that the notches 3 overlies one another and together form suitable receptacles for pipes. The opposite ribs 4, 5, together form a tubular portion or receptacle for suspension rods such as 7 and 8. The suspension rods 7 and 8, as shown in Fig. 1 project through the tubular receptacles and are provided at their lower extremities with nuts 9 and 10 to support the pipe hanger. The

upper ends of the suspension rods 7 and 8 may be provided with hooks or the like 11 and 12 for engaging eye bolts or other suitable suspending means which may be secured to a wall or ceiling beam.

The supporting rods 7 and 8, etc., which extend vertically, engage the tubular receptacles formed by the ribs 4 and 5 throughout their entire extent and serve to hold the pipe hanger in substantially a vertical plane so that the full shearing strength of the strips 1 and 2 is useful to support the weight of the pipes 13, 14, 15, etc.

In practice, it is found that pipe hangers made up in standard lengths in cast metal to accommodate given numbers of pipes are not satisfactory as each installation is likely to require a different number of pipes from a former. With the present invention, a roll 16 of the sheet steel pipe hanger construction, as shown in Fig. 5, or a long mill length not necessarily in the form of a roll, may be kept in stock and whenever a pipe hanger for a given installation is desired, the exact length providing the required number of pipe holding notches may be cut off and used.

The tubular receptacles provided at each side of the pipe receiving notches, as indicated in the figures, are also very desirable as it is frequently found that end suspension rods cannot always be used for lack of something to which to secure their upper ends. In the present construction, suspension rods may be provided either at the ends, as shown in Fig. 1 or between the pipes 13 and 14 or 14 and 15. Also when a long pipe hanger is used, it is frequently desirable to provide suspension rods both at the ends and intermediate the supported pipes, the particular localities depending upon existing circumstances.

Although a preferred embodiment of the invention has been illustrated and described, it is to be understood that modifications within the scope of the invention are contemplated.

What is claimed and what is desired to be secured by Letters Patent is:—

1. A pipe hanger construction comprising two complementary sheet metal strips, the upper edges of said strips being provided with a series of curved pipe holding notches; a semi-tubular transverse corrugation struck out from each strip on each side of a pipe holding notch; and means securing said strips one to the other with said corrugations and notches in juxtaposition, so that juxtaposed corrugations form tubular receptacles for suspension rods.

2. A pipe hanger construction, comprising two complementary sheet metal strips, the upper edges of said strips being provided with a series of curved pipe holding notches; a semi-tubular transverse corrugation struck out

from each strip between adjacent notches; and rivets adjacent said corrugations securing said strips together with the notches and corrugations in juxtaposition, so that said corrugations form tubular receptacles for suspension rods.

- 5 3. A pipe hanger comprising two complementary sheet metal strips, the upper edges of said strips being provided with a series of pipe holding notches; transverse tubular portions for said strips and alternating with said pipe holding notches; and a plurality of suspension rods extending

through said tubular portions to support said hanger and 10 to hold the same in substantially a vertical plane.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

HOWARD M. PARKS.

Witnesses:

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