July 14, 1942. W. R. POWERS 2,289,995

PIPE HANGER

Filed Jan. 28, 1941

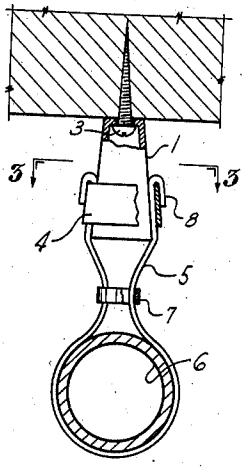


Fig. 1

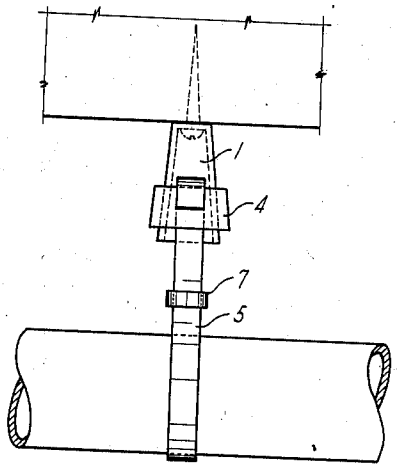


Fig. 2

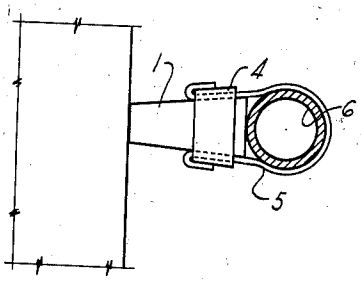


Fig. 5

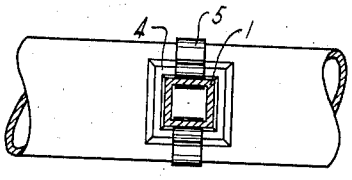


Fig. 3

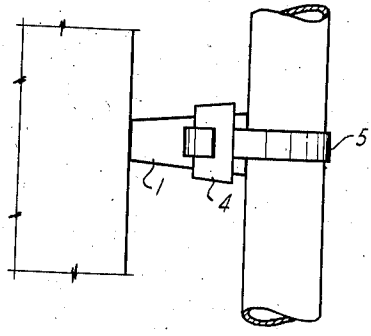


Fig. 6

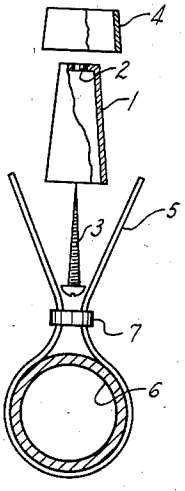


Fig. 4

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PIPE HANGER

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3 Claims. (Cl. 248—60)

This invention relates to new and useful improvements in pipe hangers, and it is among the objects thereof to provide a pipe hanger which can be readily attached to ceilings or walls by wood screws and in which the strap or hanger can be adapted to different sizes of pipes.

These and other objects of the invention will become more apparent from a consideration of the accompanying drawing constituting a part hereof in which like reference characters designate like parts and in which:

Fig. 1 is a front elevational view partially in cross section of a pipe hanger embodying the principles of this invention;

Fig. 2 a side elevational view thereof;

Fig. 3 a cross-sectional view of the hanger taken along the line 3—3, Fig. 1;

Fig. 4 an exploded view showing the various parts of which the hanger of Figs. 1 to 3 is constructed;

Fig. 5 a side elevational view of a modified form of the hanger; and

Fig. 6 a front elevational view of the hanger of Fig. 5.

With reference to Fig. 4 of the drawing, the structure therein illustrated comprises a hollow thimble 1 of sheet metal and of rectangular form with an opening 2 for receiving a wood screw 3 by which the thimble 1 is attached to the ceiling or wall. A skirt 4, complementary in shape and size to the thimble 1, is disposed around the latter prior to its attachment to the ceiling or wall, and a hanger strap 5 adapted to envelop the pipe 6 is provided with a crimping ring 7, the ends of the hanger strap 5 being adapted to interact with the outer wall and inner walls of the thimble and skirt 1 and 4, respectively.

The hanger 5 can be used in the several ways shown in Figs. 1 to 5 of the drawing to suspend the water pipe 6, the method of Fig. 1 illustrating the pipe spaced from the ceiling fixture 1 with the skirted member 4 engaging the ends of the strap with the thimble member 1.

The crimping ring 7 is pressed downwardly towards the pipe to obtain intimate engagement of the hanger with the pipe. Any load on the hanger draws the skirted member 4 in more intimate engagement with the hanger strap 5 to assure that the structure is locked against displacement.

In the form shown in Figs. 5 and 6, the same bracket member 1 is attached to the sidewall of a dwelling and the crimping ring 7 is omitted. The water pipe 6 is drawn up flush in abutment with the bottom of the bracket 1 and the skirted member 4 coacts with the turned-over ends 5 of the hanger strap, the same way as in the structure of Fig. 1.

Fig. 6 shows the side view of the mount of Fig. 5, and Fig. 3 is a top plan view of Fig. 1 taken along the line 3—3 of Fig. 1.

Fig. 4 more clearly illustrates the different structural elements of which the hanger is composed and the manner of their assembly in use.

A hanger of the type disclosed and described is of simple inexpensive construction and can be employed as a streamline mounting for water pipes in cellars, either from the ceiling or sidewalls.

By employing cromium-plated parts, the suspension is given a decorative appearance which is desirable, particularly where the piping extends through the recreation room of a dwelling.

The invention is particularly useful because of the ease with which the hanger can be applied.

Although one embodiment of the invention has been herein illustrated and described, it will be evident to those skilled in the art that various modifications may be made in the details of construction without departing from the principles herein set forth.

I claim:

1. A hanger for a water pipe and the like comprising a conical-shaped mounting bracket adapted for attachment to a wall or ceiling, a complementary-shaped clamping member coacting with the outer wall of the mounting bracket, a hanger strap for engaging and enveloping the water pipe having its ends extending between the walls of the mounting bracket and clamping member, said strap having its ends folded over said clamping member to interlock the pipe and hanger.

2. A hanger for water pipes and the like comprising a conical-shaped mounting bracket, a complementary-shaped clamping ring disposed externally of the bracket, means for attaching the small end of the bracket to a wall or ceiling, a hanger strap adapted to envelop the pipe, having its free ends extending between the exterior walls of the mounting bracket and the inner walls of the clamping member, the ends of said strap being bent in over-lapping relation with the wall of the clamping member.

3. A mounting for water pipes and the like comprising a conical-shaped mounting bracket having a screw opening at the small end for attachment by a wood screw with a wall or ceiling, a complementary shaped clamping member disposed around and adapted to engage the said mounting bracket, a hanger strap for engaging the pipe to be suspended, having its free ends disposed between the mounting bracket and the clamping member, said strap being adjustable relative to the mounting bracket to suspend the pipe in any desired spaced relation to the ceiling or wall, and the ends of said strap being bent upon the sides of said clamping member to interlock the pipe and hanger.

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