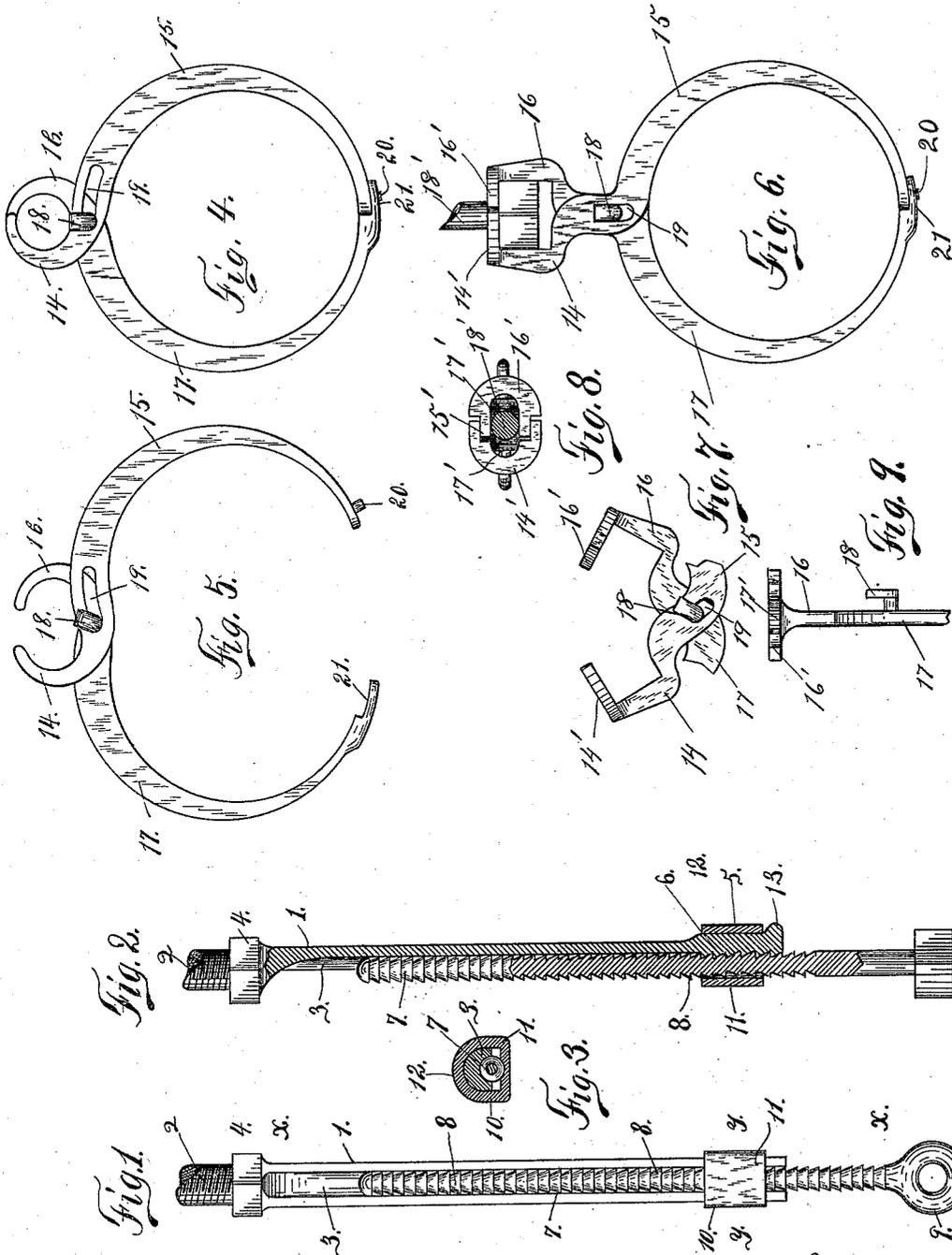


(No Model.)

R. W. CLARK.
PIPE HANGER AND ATTACHMENT.

No. 545,775.

Patented Sept. 3, 1895.



Witnesses:

J. P. Christman

H. D. Hill

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UNITED STATES PATENT OFFICE.

ROBERT W. CLARK, OF BUFFALO, NEW YORK, ASSIGNOR TO DANIEL CLARK,
OF SAME PLACE.

PIPE-HANGER AND ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 545,775, dated September 3, 1895.

Application filed March 21, 1895. Serial No. 542,625. (No model.)

To all whom it may concern:

Be it known that I, ROBERT W. CLARK, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Pipe-Hangers and Attachments; and I do hereby 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention is an improvement in adjustable hangers for steam and other pipes, its object being to simplify their construction and the adjustment of their parts in securing pipes to the ceiling.

To that end my invention consists, first, in a hanger adapted for attachment to the ceiling, consisting of a vertically-channeled bracket provided with an enlarged lower end and notches in the channel within the enlarged lower end, a notched rod adapted for adjustable engagement with the notches in the vertical channel of the bracket, and a loose collar adapted for removable engagement with the enlarged lower end of the bracket to hold the notched rod in engagement with the bracket at any desired position, and, second, in improved detachable means for securing the pipe to the adjustable rod of the hanger.

In the drawings, Figure 1 is a front elevation of my improved hanger. Fig. 2 is a central vertical section of Fig. 1. Fig. 3 is a horizontal transverse section taken through the enlarged lower end of the shank, Fig. 1. Fig. 4 is a closed view of my improved device for securing the pipe to the hanger proper. Fig. 5 is an open view of the same, and Figs. 6, 7, 8, and 9, are different views of a modified form.

Referring to the drawings, 1 is the elongated bracket, provided at its upper end with the screw-threaded shank 2 for engagement with the ceiling. This bracket is provided with the vertical channel 3, extending from the shoulder 4 down through the enlarged lower end 5 of the bracket. The channel 3, within

this enlarged lower end 5 of the bracket, is notched, as at 6. An elongated rod 7 is provided throughout its length with the annular notches 8 and has at its lower end the ring or eye 9.

10 is a collar with a flat front face 11, its rear side 12 being rounded to conform to the side walls of the enlarged lower end 5 of the bracket 1. The collar 10, when in position upon the enlarged end 5 of the bracket, rests upon the lower shoulder 13 of the bracket and in this position holds the notched rod 7 in loose but snug engagement with the notches 6 in the channel 3 of the bracket. To adjust the rod to a higher or lower position in the bracket it is only necessary to lift the collar away from the enlarged end 5, which permits the rod to be moved up or down in its channel to the desired position, and, on returning the collar 10 to its former position at the enlarged lower end of the bracket the rod 7 is locked, as before.

To secure the pipe to the hanger I employ the removable device shown in Figs. 4 and 5, which consists of two twin parts detachably pivoted to each other. One of these twin parts consists of the short curved arm 14 and the long curved arm 15, extending in reverse directions, the other twin part being formed of the short curved arm 16 and the long curved arm 17, also extending in reverse directions. A vertically-bent lug 18 upon the part 16 17 is removably engaged in the slot 19 in the part 14 15. The lower end of the arm 15 has a pin 20, radial to the pivot, which by the looseness of the pivot enters a hole in the shouldered end 21 of the arm 17 when the parts are in closed position, as shown in Fig. 4, and is held therein by the weight of the pipe. To secure the pipe to the ring upon the hanger the parts are swung apart, as shown in Fig. 5, which permits the introduction of the pipe within the arms 15 and 17 and the ring 9 within the arms 14 and 16. On bringing the parts together the ends 14 and 16 overlap within the ring 9 and the ends of the arms 15 and 17 are locked under the pipe, thus securing it to the hanger.

In Figs. 6 to 9 is shown a slightly different form of pipe-clip; but the same reference-numerals refer to parts which are similar to

those in Figs. 4 and 5. In addition thereto, however, the upper ends of the short arms 14 and 16 are provided with inwardly-bent extremities 14' and 16', having shoulders 15' at their inner meeting ends, which shoulders overlap when the arms come together. Said extremities are also slotted, as at 17', so as to embrace the shank 18' of a bolt, if desired, and hence this form of pipe-clip may be removably clamped to the headed lower end of a bolt hanging from an overhead support.

I claim—

1. A hanger for steam or other pipes consisting of a vertically channeled bracket provided with an enlarged lower end and notches in the channel within the enlarged lower end, a notched rod adapted for adjustable engagement with the notches in the vertical channel, and a loose collar adapted for removable en-

gagement with the enlarged lower end of the bracket to hold the notched rod in engagement with the bracket at any desired position.

2. A device for securing a pipe to the hanger consisting of twin parts removably pivoted to each other, each part composed of a long and short arm reversely bent the short arms adapted to overlap each other and the long arms having respectively a hole and a pin both radial to the pivot so as to interlock one with the other when the parts are closed, substantially as and for the purpose stated.

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

ROBERT W. CLARK.

Witnesses:

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