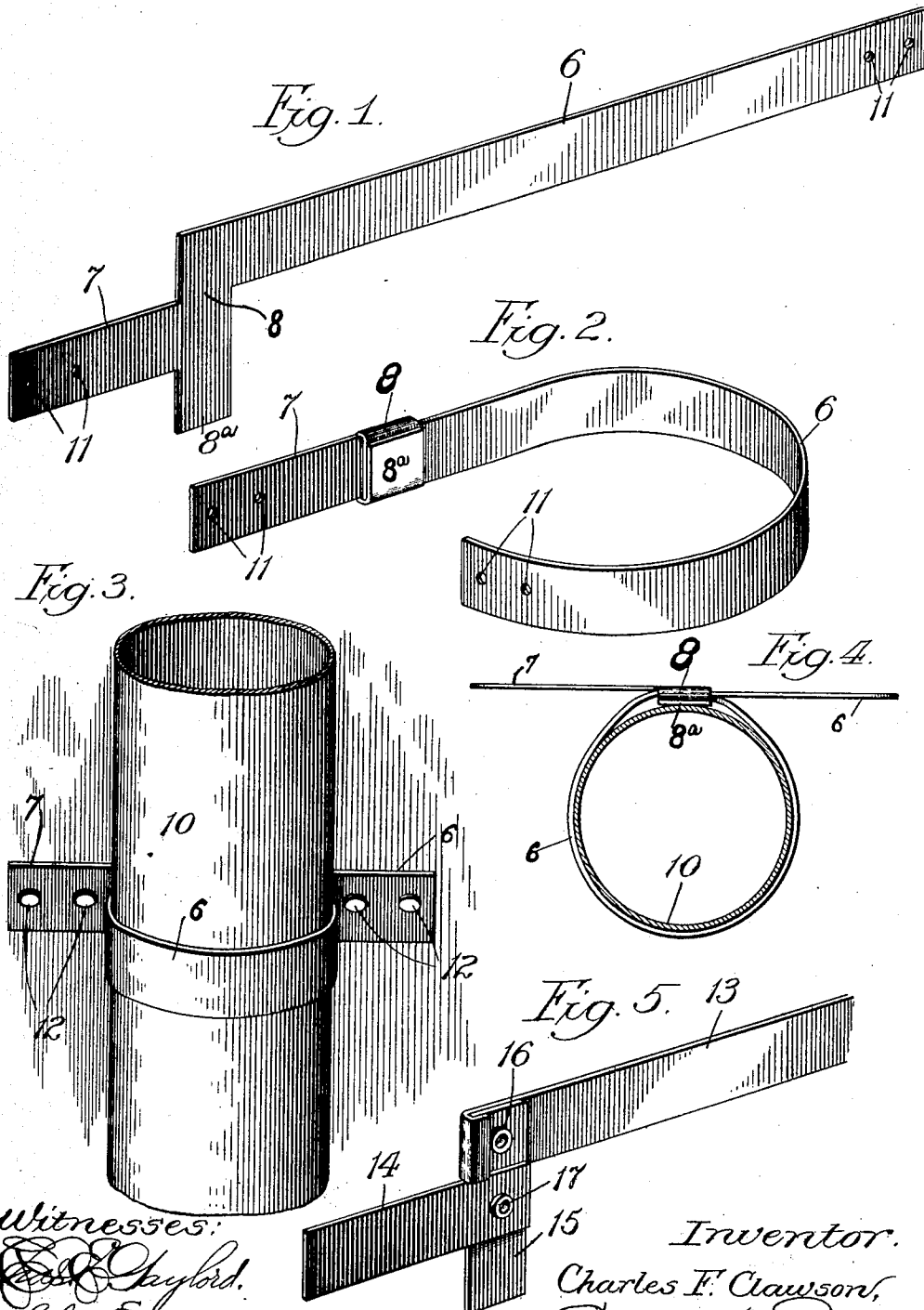


916,673.

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UNITED STATES PATENT OFFICE.

CHARLES F. CLAWSON, OF MOUNT PLEASANT, IOWA.

PIPE-SUPPORT.

No. 916,673.

Specification of Letters Patent.

Patented March 30, 1909.

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To all whom it may concern:

Be it known that I, CHARLES F. CLAWSON, a citizen of the United States, residing at Mount Pleasant, in the county of Henry and State of Iowa, have invented certain new and useful Improvements in Pipe-Supports, of which the following is a specification.

This invention relates to pipe-supports or hangers, more particularly such as are employed to secure the down-spouts of guttering to the walls of buildings; although the device of the invention is capable of other applications, and may be employed as a support or hanger for pipes and tubes generally, whether vertical, horizontal, or inclined.

The object of the invention is to provide a simple, cheap, neat and efficient device of the character specified which shall be adjustable as it is applied to fit varying sizes of pipes or tubes, and to this end the invention consists of a pipe-support having the novel structural characteristics hereinafter particularly described and pointed out in the claims.

My invention will be readily understood when considered in connection with the accompanying drawings showing approved mechanical embodiments thereof, wherein—

Figure 1 is a perspective view of an integral or one-piece sheet-metal blank from which my improved pipe-support may be made; Fig. 2 is a similar view showing the blank of Fig. 1 partly bent into the form of the complete article; Fig. 3 is a perspective elevation showing the device applied to a down-spout or other vertical pipe; Fig. 4 is a cross-sectional view through the pipe just above the pipe-support, and showing the latter in plan view in its operative form; and Fig. 5 is a fragmentary perspective view, similar to Fig. 1, of a modified blank made from a plurality of sheet-metal strips secured together to make a blank of the form shown in Fig. 1.

In carrying out my invention, where the same is made from a single integral blank, I cut from a piece of sheet-metal, such as tin, sheet-iron, sheet-copper, or any other suitable material, a blank of the form shown in Fig. 1, having a comparatively long straight member 6, a comparatively short straight member 7 off-set edgewise relative to the member 6 and an intermediate portion 8

joining the adjacent ends of the members 6 and 7, this intermediate portion preferably, and as shown, having an extension 8^a. The members 6 and 7 constitute attachment strips; and in transforming the blank into the finished article I fold the intermediate portion 8 upon itself in a direction transverse to said strips on a line substantially co-incident with one edge of the latter to form between the folded halves thereof a way for the longer strip 6, which latter is then bent around, as shown in Fig. 2, and its free end passed and drawn through said way to form a loop to embrace and hold the pipe 10, as shown in Figs. 3 and 4, the extension 8^a being also folded up over one side of the folded intermediate portion 8 and operating as a keeper preventing spreading of the folded portion 8. The keeper extension 8^a, while preferably employed, is not indispensable where sheet metal of considerable thickness and stiffness is used. The free end portions of the strips 6 and 7 are apertured, as shown at 11, to receive nails 12 for securing the device to a wall. It will thus be seen that the device provides a pipe embracing and holding loop which is contractible and extensible to fit pipes of varying diameters and in which the oppositely extending attachment strips are in substantial alinement with each other.

Fig. 5 illustrates a modification of the blank, made up of strips 13, 14 and 15 riveted together as by the eyelets 16 and 17 so as to present the same general form of blank as disclosed in Fig. 1. The manner of making the device from this blank is identical with that already described; and it has one advantage over the integral or one-piece construction in that it can be made largely from waste strips and clippings at a very slight cost. Obviously, any two of the parts might be made integral, and the third secured thereto, if desired.

I claim:—

1. A contractible and extensible pipe support comprising a pair of flat oppositely extending attachment strips one of which is bent to form a pipe-embracing loop, and an intermediate portion connecting the inner adjacent ends of said strips, said intermediate portion being folded upon itself in a direction transverse to said strips on a line substantially coincident with one edge of the latter, thereby

forming between its folded parts a way for the free end portion of said bent strip.

2. The herein described pipe support comprising oppositely extending attachment-
5 strips, one of which is adapted to embrace a pipe, and an intermediate portion, said intermediate portion being folded upon itself

forming a way for said pipe-embracing strip and provided with a folded extension operating as a keeper.

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