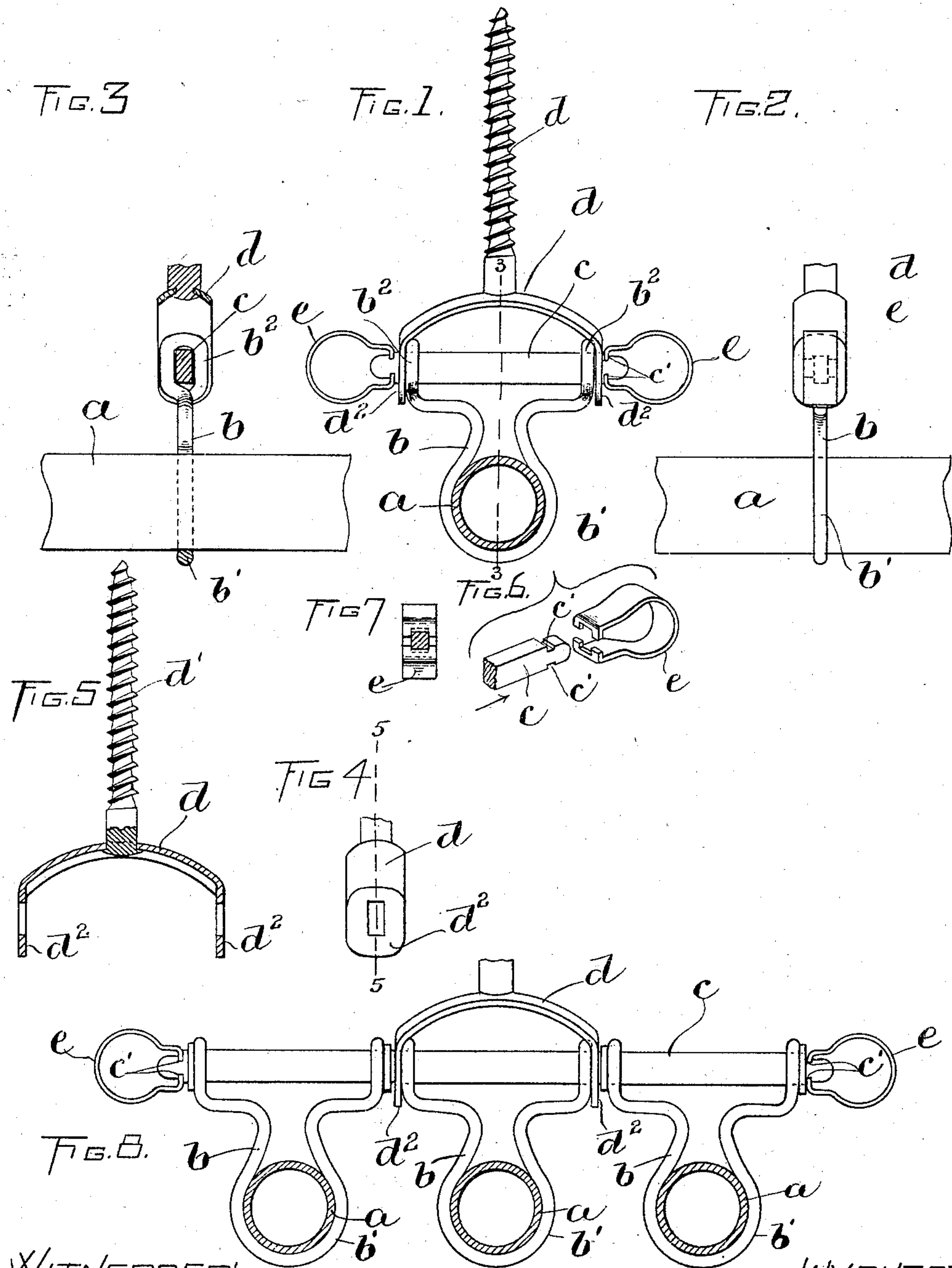


(No Model.)

V. J. EMERY.  
PIPE HANGER.

No. 591,249

Patented Oct. 5, 1897.



WITNESSES:  
A. D. Hamm  
P. W. Pezzetta

INVENTOR:  
Victor J. Emery  
by Knight Brown & Denney  
attys.



# UNITED STATES PATENT OFFICE.

VICTOR J. EMERY, OF QUINCY, MASSACHUSETTS.

## PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 591,249, dated October 5, 1897.

Application filed February 16, 1897. Serial No. 623,694. (No model.)

*To all whom it may concern:*

Be it known that I, VICTOR J. EMERY, of Quincy, in the county of Norfolk 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 a novel device for supporting pipes from a ceiling or other elevated structure; and it consists of a collar for the pipe, a hanging bracket adapted for fixture to a beam or ceiling, and a novel connection between the collar and the bracket, all of which I shall now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of my improved pipe-hanger, showing the pipe in transverse section. Fig. 2 is an end elevation of the same, showing the pipe in side elevation. Fig. 3 is a section on line 3 3 of Fig. 1. Fig. 4 is an end view of the lower portion of the bracket. Fig. 5 is a side elevation of the bracket, partially in section. Figs. 6 and 7 are detail views to be referred to hereinafter. Fig. 8 is a view showing a method of supporting several pipes from a single bracket.

The same letters of reference indicate the same parts in all the figures.

Referring to the drawings, *a* designates any conducting-pipe, such as a steam-pipe, which it may be desired to support from the ceiling of a room. For so doing I provide a collar *b*, which is preferably, for the sake of cheapness, composed of heavy wire bent to the desired form. This collar has a loop portion *b'*, adapted to pass under and form a support for the pipe, and two eyes or hooks *b<sup>2</sup>*, formed by bending the ends of the wire, as indicated in Fig. 3, and adapted to receive a bar *c*, whose function will presently be explained.

*d* represents a bracket which is adapted to be affixed in some suitable manner to the ceiling or an overhead beam and which has means for engagement with the collar *b* to support the pipe *a*. In the present instance this bracket takes the form of an inverted-U-shaped piece of metal provided with apertured ears *d<sup>2</sup>*, adapted to be engaged by the bar *c* and with a shank *d'*, consisting of an elongated wood-screw. The bar *c* is composed of metal of suitable shape to pass

through the hooks *b<sup>2</sup>* of the collar and the apertures in the bracket-ears *d<sup>2</sup>* and of such a length as to project beyond the bracket at both ends when in engagement with the bracket and collar.

*e e* represent elastic loops, buttons, or clips, formed of flat spiral metal and bent around in U fashion. The ends of the clip are bent inwardly toward each other, so as to adapt the clip for engagement with oppositely-situated transverse recesses or grooves *c'*, formed near both ends of the bar *c*, Fig. 6, the purpose of the said clips or buttons being to retain the sliding bar *c* in engagement with the slotted ears *d<sup>2</sup>* of the bracket and with the collar *b*.

Fig. 8 shows a group of three pipes supported by as many collars and by a single bar and bracket, with a pair of clips at the ends of the bar. This grouping of the bars in gangs is a method which is rendered particularly convenient by means of my improved device, as will be readily seen.

The device has many advantages, among which are ease of attachment and a certain degree of ornamentality.

My improvements are particularly intended for use in connection with brass tubing which is used in exposed situations, as on the ceilings of kitchens and other apartments, as parts of a plumbing system.

It will be readily seen that the bracket adapted for connection with a ceiling, the bar detachably connected with the bracket, and the hanger or collar supported by the bar and detachable therefrom constitute a device which is adapted to be quickly and conveniently applied and removed, the parts being capable of ready assemblage and separation. The removable heads *e e* on the bar *c* can be quickly sprung into and out of engagement with the bar and securely hold the bar in place when engaged therewith. They are not liable to work loose like screw-caps and can only be detached by the application of force sufficient to spring their ends apart.

The collar *b'* can be readily engaged with pipes of different sizes, owing to the sides between the loop portions and its ends being adapted to be sprung apart, more or less, to vary the size of the pipe-embracing loop. Hence the same hanger can be used with all



the sizes of pipe that the plumber has occasion to use.

I claim—

1. As a means for supporting a conducting-pipe or the like, the combination with a bracket comprising a screw-threaded shank portion, and an inverted-U-shaped portion provided with apertured ears, of a pipe-supporting collar having its ends apertured, and a horizontally-movable bar adapted to fit the apertures in the bracket and collar and lock said bracket and collar together.

2. A device of the character specified, comprising a bracket provided with means for attachment to a fixed support, and with ears having rectangular slots, a bar rectangular in cross-section and adapted to slide in said ears, a pipe-embracing collar having its ends bent to form hooks adapted to fit said bar, and means for locking the bar against endwise movement.

3. A device of the character specified, comprising a bracket provided with means for attachment to a fixed support, and a flexible

collar having its ends detachably connected with said bracket and having a loop portion, the sides between the loop portion and the ends being bent inward and adapted to be altered in shape to permit the loop portion to embrace different sizes of pipe.

4. A device of the character described, comprising a bracket provided with means for attachment to a fixed support and having slotted ends, a longitudinally-movable bar fitting the slots thereof and having notches or recesses near its ends, a pipe-embracing collar having its ends engaging said bar, and spring-clips engaging the recesses of the bar to prevent longitudinal movement thereof.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 8th day of February, A. D. 1897.

VICTOR J. EMERY.

Witnesses:

C. F. BROWN,  
A. D. HARRISON.