

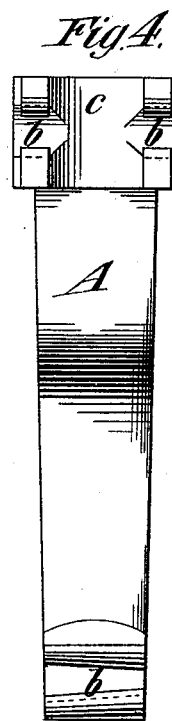
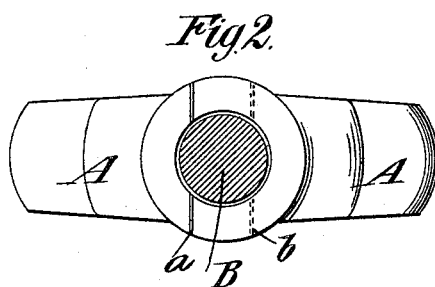
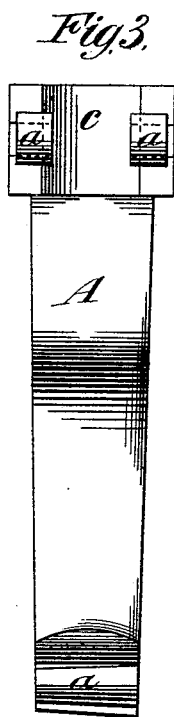
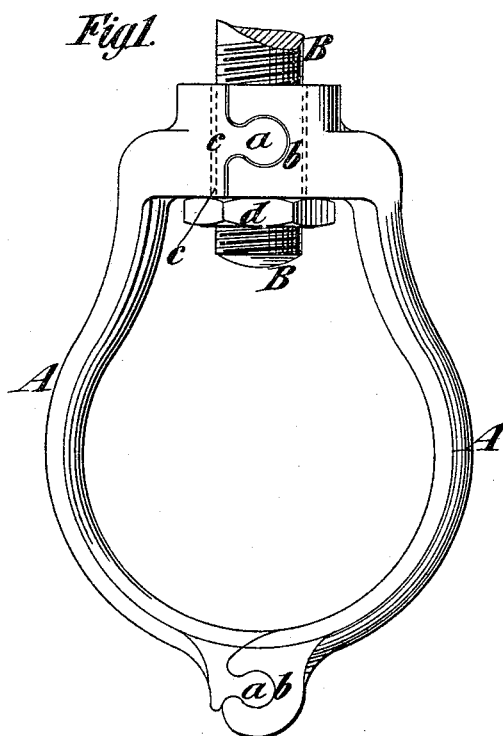
(No Model.)

J. T. KELLY.

PIPE HANGER.

No. 344,483.

Patented June 29, 1886.



Witnesses.
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O. Sunagren

Inventor
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UNITED STATES PATENT OFFICE.

JOHN T. KELLY, OF BROOKLYN, ASSIGNOR TO KELLY & JONES COMPANY,
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PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 344,483, dated June 29, 1886.

Application filed November 17, 1885. Serial No. 183,969. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. KELLY, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Pipe-Hangers, of which the following is a specification.

My invention relates to hangers which are employed for suspending steam, gas, or water pipes; and which consists, essentially, of a stirrup or bail-like portion which surrounds the pipe and a bolt or screw to secure the stirrup at its upper end, and adapted to be inserted in the floor-beams, ceiling, or other support. The principal object of my invention is to provide a hanger which is very simple and inexpensive in construction, and which may be readily applied to lines of pipe already up and connected.

The invention consists, essentially, in the combination of a vertically-divided stirrup composed of separable sections, one of which is provided at its upper and lower portions with dovetailed tongues which extend transversely to the length of the stirrup and the other of which is provided with correspondingly-dovetailed grooves or recesses, which also extend transversely to the length of the stirrup and parallel with said tongues, and a screw, bolt, or other suspension device by which the stirrup is supported. This construction of the two sections of the stirrup enables them to be connected or disconnected by a sliding movement of one relatively to the other in a direction transverse to the length of the stirrup and parallel with a line of pipe which the stirrup is to support.

The invention also consists in the construction of the stirrup above described with a vertical eye at its upper portion, through which the sustaining rod or bolt is inserted, and through which the line of division of the stirrup passes, so that when the stirrup is suspended from the bolt or rod any lateral movement of its sections relatively to each other will be prevented by the bolt or rod, as hereinafter more fully described.

In the accompanying drawings, Figure 1 is an elevation of a hanger embodying my invention. Fig. 2 is a plan thereof including a horizontal section of the sustaining bolt or rod to which the stirrup is attached; and Figs. 3 and

4 are respectively face views of the two sections of the stirrup.

Similar letters of reference designate corresponding parts in all the figures.

The stirrup, which may be made of malleable or cast iron, is divided vertically at its upper and lower portions, and is composed of two sections, A A, which are substantially duplicates of each other, except that one section is provided with laterally-extending dovetailed tongues *a a* at its upper and lower portions, while the other section is provided with similar dovetailed and laterally-extending grooves, *b b*, at its upper and lower portions. The tongues and grooves or recesses *a b* both extend transversely to the length of the stirrup, and are parallel one with another. The construction of these two sections A A, with the tongues *a* and the grooves *b*, will be best understood from Figs. 1, 3, and 4, and it will be readily seen that the two sections when placed together may be slipped laterally one upon another, the dovetailed tongues *a* engaging readily with the dovetailed grooves *b*, and that when thus combined or joined the sections cannot be separated by pulling them apart in the plane of the stirrup. The stirrup is hung or suspended from a bolt or screw, B, which, as here represented, passes freely through a vertical eye, *c*, in the upper part of the stirrup, and has applied to its lower end a nut, *d*, by adjusting which the stirrup may be raised or lowered relatively to the screw B. This screw may be inserted in the floor-beam or other support from which the line of pipe is suspended.

It will be observed, from Figs. 2, 3, and 4, that the vertical eye *c*, which receives the bolt B, is in the line of division of the stirrup, and the tongue and groove *a b* at the upper part of the stirrup are intercepted by this eye *c*; hence it will be seen that the bolt when inserted in the eye *c* prevents any lateral movement of the two stirrup-sections A A, one relatively to the other, and locks the two sections together, and that these two stirrup-sections A A can only be engaged with or disengaged from each other before the bolt B is inserted through the eye *c*. The stirrup-sections can, however, be readily applied to a line of piping which is already up and in

place, and after being engaged one with the other the stirrup can be lifted up so as to pass the eye *c* over the projecting end of the bolt or screw B, and the nut *d* being then applied 5 the line of piping will be sustained fully by the stirrup and the bolt or screw B. This stirrup-support may be readily applied to lines of pipe which have been long before laid or connected, and to which it is desired to apply 10 new supports; or the stirrup-support may be readily applied to newly erected or laid lines of pipe for which too few supports have been provided.

What I claim as my invention, and desire to 15 secure by Letters Patent, is—

1. The combination, with a vertically-divided stirrup composed of entirely separable sections, one of which is provided at its upper and lower portions with dovetailed tongues *a*, 20 which extend transversely to the length of the stirrup, and the other of which is provided

with correspondingly - dovetailed grooves or recesses, *b*, which also extend transversely to the length of the stirrup and parallel with said tongues, and a screw, bolt, or other suspension 25 device by which the stirrup is supported, substantially as herein described.

2. The combination, with a stirrup provided at the upper end with a vertical eye and divided vertically through said eye, the two sections of the stirrup being provided, respectively, at their upper and lower portions with dovetailed laterally - extending tongues and grooves, and a bolt or screw, B, passing through the divided eye in the stirrup and having a 35 nut applied to it below said eye, substantially as herein described.

JNO. T. KELLY.

Witnesses:

C. HALL,

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