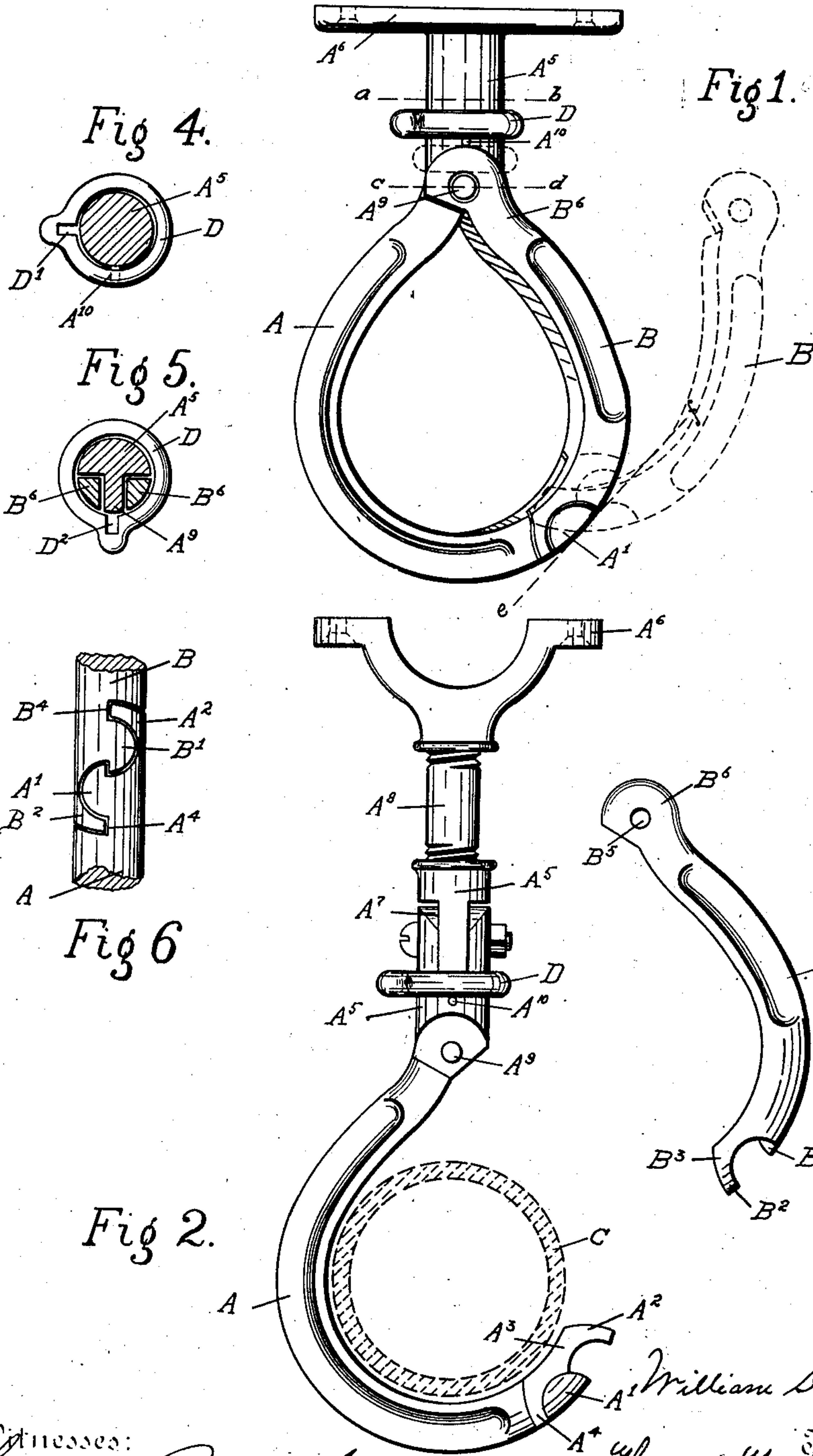


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PIPE HANGER.
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Patented Dec. 20, 1910.



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UNITED STATES PATENT OFFICE.

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PIPE-HANGER.

978,912.

Specification of Letters Patent.

Patented Dec. 20, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM H. MACK, a citizen of the United States, and a resident of Brooklyn, New York city, in the county of Kings and State of New York, have invented certain new and useful Improvements in Pipe-Hangers, of which the following is a specification.

This invention relates to improvements in pipe hangers, and of the class in which the body portion of the hanger is in the form of a ring divided into two separable sections, and it consists in the novel manner of construction in which the sections of the ring are jointed and securely united together.

The object of this invention is to provide a hanger that can be attached to a ceiling or other similar support, and admit of a pipe being suspended thereby, or removed therefrom, without necessitating the removal of the hanger from its support.

The nature and objects of my invention will otherwise be more fully explained in the following specification taken in connection with the accompanying drawings forming a part thereof, and as will also be pointed out in the claims.

In the drawings, in which similar letters refer to similar parts throughout the several views Figure 1, represents a vertical perspective view of my improved hanger in which the ring sections are shown united. Figs. 2 and 3, show the ring sections detached from each other. Fig. 4, is a section on the line, *a, b*, Fig. 1. Fig. 5, is a section on line *c, d*, Fig. 1, but with the ring fastener dropped down into the locking position. Fig. 6, is a side view of the locking parts of the ring sections looking toward the plane represented by the line, *e, f*, Fig. 1.

In the drawings, A, B, represent the sections of the ring portion of the hanger within which, the pipe, C, is placed for support. The section, A, is provided with a laterally projecting lug, A', and hook A², at its lower end, A³; and the section, B, is similarly provided with a lug, B¹, and hook, B², at its extremity, B³. The form of these lugs and hooks is such that when the sections are brought together in the same plane as indicated by the dotted lines in Fig. 1, the parts will engage and make a locked joint as shown in Figs. 1 and 6. The sections have lateral recesses, A⁴, and B⁴, and are otherwise so shaped that when united in this way,

the ring appears as though of one piece and its symmetry thus preserved. The section, A, is provided with a neck, A⁵, having a head, A⁶, and which may be integral therewith as in Fig. 1, or be made with a loose and swivel joint, A⁷, and extensible connection, A⁸, as in Fig. 2.

The neck, A⁵, of the section, A, is provided with a pin, A⁹, which engages with a corresponding hole, B⁵, in the end, B⁶, of the section, B, when the sections are united and a loose ring, D, upon the neck, A⁵, is dropped down upon the end, B⁶, of the section, B, thus securely holding the parts together. The ring, D, has an internal slot, D', which when brought into registering position with a pin, A¹⁰, in the neck, A⁵, permits the ring to drop down over the end, B⁶, of the section, B, as indicated by the dotted lines in Fig. 1, or to be elevated as shown in the figure. By turning the ring, D, around out of registering position with the pin, A¹⁰, after elevating it as shown, the ring, D, will then rest upon the pin, A¹⁰, and remain in that position.

In the form of construction herein shown and described the sections can be cast and put together without necessitating any machine work, at all, which makes the device very simple and inexpensive in production while being substantial, secure and complete for the purpose intended.

When the hanger is used as a pipe support the pipe can be suspended thereby or removed therefrom, without detaching the hanger from its support, which makes it convenient and desirable as a device of this character.

The operation of manipulating the sections can be understood from the foregoing description and needs no further explanation.

It can thus be seen, that I provide a simple and inexpensive device that can be manufactured at a minimum cost of production by being molded and cast in any suitable metal desired, and that the sections of the ring portion of the hanger will fit together without necessitating any machine work thereon and the parts can be securely united and locked together without the use of any tool by an easy and quick manipulation of the parts, and that the device is in every way operative and complete for the purpose intended.

Having thus described my invention what I claim, and desire to secure by Letters Patent, is:—

1. In a pipe hanger, the ring section, A, 5 having the laterally projecting lug, A', and the hook, A², at its free end, A³, in combination with the ring section, B, having the laterally projecting lug, B', and the hook, B², at its end, B³, and which are adapted to 10 engage with the corresponding lug, A', and the hook, A², of the section, A, so as to make a locked joint when brought together, and the section, B, having a hole, B⁵, in its other end, B⁶, which is adapted to engage with a 15 corresponding pin, A⁹, in the section, A, thereby securing the sections together, substantially as specified.

2. In a pipe hanger, the ring section, A, 20 having the laterally projecting lug, A', and the hook, A², at its free end, A³, in combination with the ring section, B, having the laterally projecting lug, B', and the hook, B², at its end, B³, and which are adapted to engage with the corresponding lug, A', and 25 the hook, A², of the section, A, so as to make a locked joint when brought together, and the section, B, having a hole, B⁵, in its other end, B⁶, which is adapted to engage with a corresponding pin, A⁹, in the section, A, 30 thereby securing the sections together, and the ring, D, adapted to pass over the end, B⁶, of the section, B, and secure it to the section, A, substantially as specified.

3. In a pipe hanger, the combination of 35 the ring section, A, having the laterally projecting lug, A', and the hook, A², and the pin, A⁹, the section, B, having the laterally

projecting lug, B', and hook, B², at one end and the hole, B⁵, at the other end, and a fastening, D, adapted to secure the section, B, 40 to the section, A, substantially as specified.

4. In a pipe hanger, the combination of the ring section, A, having the laterally projecting lug, A', and the hook, A², at its free end, A³, and being provided with a neck, 45 A⁵, and the head, A⁶, and the section, B, having the laterally projecting lug, B', and the hook, B², at one end, B³, and the other end, B⁶, adapted to engage with the section, A, and the neck, A⁵, and a fastening, D, 50 adapted to secure the section, B, to the section, A, substantially as specified.

5. In a pipe hanger, the combination of the head, A⁶, the extensible connection, A⁸, 55 the loosely jointed neck, A⁵, the ring section, A, having the pin, A⁹, and the laterally projecting lug, A', and the hook, A², at its free end, A³, the section, B, having the laterally projecting lug, B', and the hook, B², at one end, B³, and the hole, B⁵, at its other end, 60 B⁶, and a ring, D, around the neck, A⁵, and adapted to secure the end, B⁶, of the section, B, to the section, A, and the lug, B', and the hook, B², of the section, B, adapted to engage with the corresponding lug, A', and 65 hook, A², of the section, A, and thereby make a locked joint, substantially as specified.

Signed at New York, in the county of New York, and State of New York, this 22nd day of January A. D. 1910.

WILLIAM H. MACK.

Witnesses:

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ELIZABETH THOMPSON.