

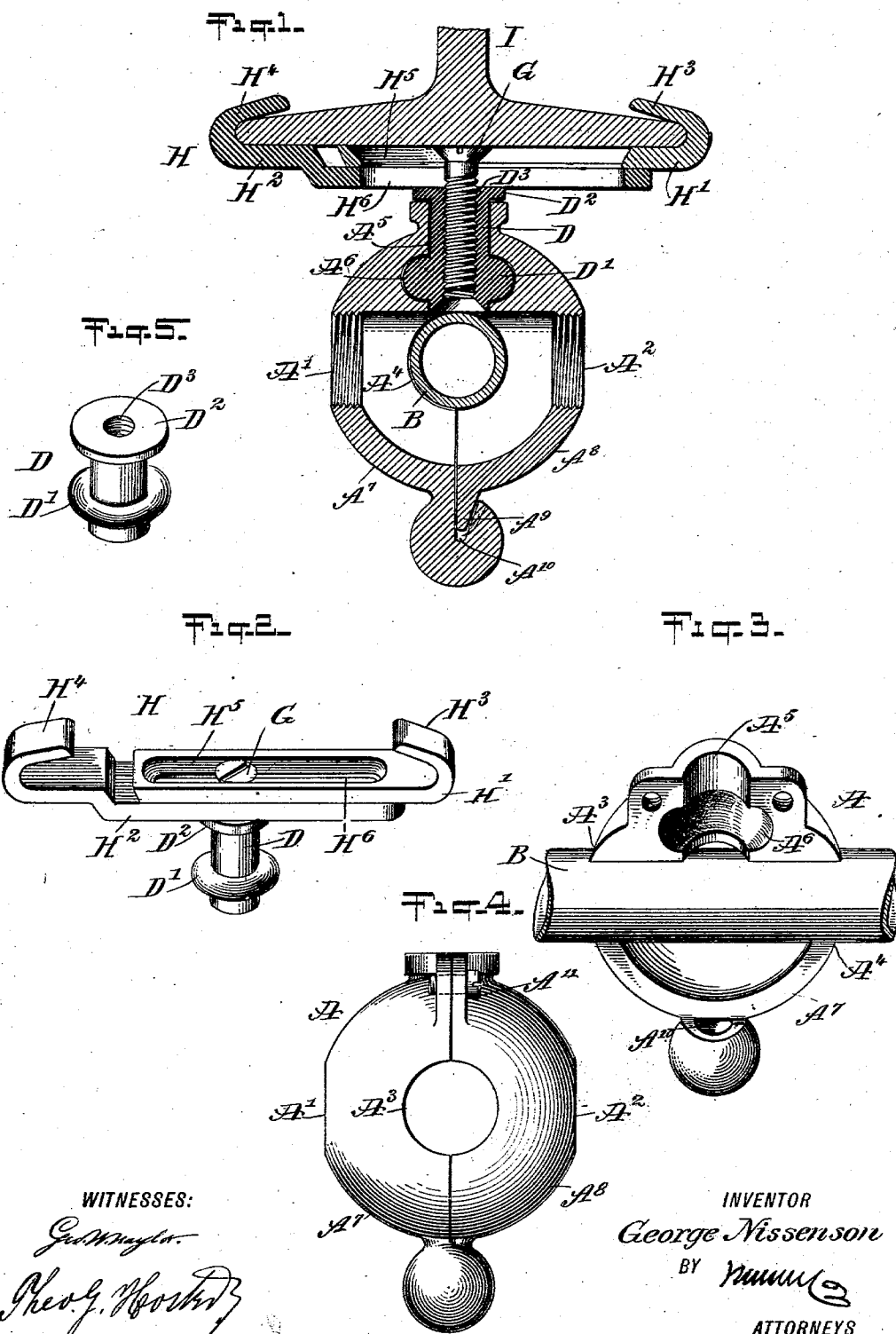
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G. NISSENSON.
HANGER.

APPLICATION FILED SEPT. 24, 1903.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE NISSENSON, OF NEW YORK, N. Y.

HANGER.

SPECIFICATION forming part of Letters Patent No. 752,996, dated February 23, 1904.

Application filed September 24, 1903. Serial No. 174,438. (No model.)

To all whom it may concern:

Be it known that I, GEORGE NISSENSON, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Hanger, of which the following is a full, clear, and exact description.

This invention relates to hangers for supporting pipes, electric wires, electric lamps, and the like from ceilings and other supports in buildings.

The object of the invention is to provide a new and improved hanger which is simple and durable in construction, very ornamental in appearance, and arranged for convenient attachment to the supporting structure, such as iron and wooden floor-beams.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a vertical section of the improvement as arranged for attachment to a metal floor-beam. Fig. 2 is a perspective view of the sectional clamp and the pivot for the casing to turn on. Fig. 3 is a perspective view of one section of the casing and a pipe extending through the same. Fig. 4 is a side elevation of the casing, and Fig. 5 is a perspective view of the pivot for the casing.

The casing A of the hanger is preferably in the form of a hollow sphere provided with openings A', A², A³, and A⁴, of which the openings A' and A² are located diametrically opposite each other and are provided with screw-threads, while the openings A³ and A⁴ stand at right angles to the openings A' and A² and are preferably plain or non-threaded for the passage of a pipe B, as indicated in Figs. 1 and 3, or for supporting the ends of pipes carrying feed-wires for electric lamps or other devices. The threaded openings A' and A² may receive sockets for the support of elec-

tric lamps or the like, it being understood that in this case the feed-wires for the electric lamps extend in the pipes B. The casing A is mounted to turn on a pivot D, preferably made cylindrical and fitting loosely into a correspondingly-shaped opening A⁵, formed in the top portion of the casing A, and the said pivot is provided with an annular collar D', fitting a correspondingly-shaped recess A⁶ in the top portion of the casing (see Figs. 1 and 3) to prevent the pivot and casing from separating, but allowing the casing to turn on the pivot to bring the openings A', A², A³ and A⁴ in proper alinement with the pipe or pipes B. In order to permit of conveniently placing the pivot in position in the casing A, it is desirable to make the casing in two parts or sections A⁷ A⁸, of which the section A⁸ is provided at its lower end with a projection A⁹, engaging a socket A¹⁰ on the lower end of the section A⁷, and the upper ends of the said sections A⁷ A⁸ are fastened together by screws A¹¹, as shown in Fig. 4. By the arrangement described the sections A⁷ A⁸ can be readily fastened together after the pivot D is in place.

The upper end of the pivot D is provided with a flange D², and the said pivot has a threaded aperture D³, in which screws a screw G, engaging a clamp H, adapted to clamp onto the base of a metal floor-beam I. The clamp H is preferably made of two parts H' and H², provided at their outer ends with hooks H³ and H⁴, fitting onto the outer edges of the base of the I-beam I, and the said parts H' and H² are formed with longitudinal slots H⁵ and H⁶, of which the slot H⁶ is adapted to receive the head of the screw G, while the shank of the screw passes through the slot H⁵.

In using the device on the metal floor-beam I the clamp parts H' and H² are hooked onto the base of the I-beam, with the screw G in engagement with the slots, as shown, and the shank of the screw depends from the clamp, and then the pivot D is screwed on the lower end of the shank of the screw until the upper face of the flange D² abuts against the under side of the lower part H² of the clamp, so that the pivot D acts as a nut to fasten the parts H' and H² together by the screw G and to sup-

port the casing A by the pivot D, screw G, and clamp H from the I-beam I.

By having the clamp H in two parts it is evident that the said parts can be adjusted to
5 fit the bases of beams I of different sizes.

In case the device is used in connection with electric-light wires and pipes containing the wires and a pipe is connected with the opening A' and branch pipes lead from the openings A³ and A⁴ and it is desired to open the
10 casing for repair of the electric wire or for other purposes then it is only necessary for the operator to remove the screws A¹¹ and disengage the section A⁸, with its projection A⁹,
15 from the socket A¹⁰ to gain access to the interior of the casing. In case the pipes are connected with the openings A² A³ A⁴ then the section A⁷ can be removed from the section A⁸ in a similar manner, as above described and
20 for the purpose mentioned. In either case the section not removed remains in position on the pivot D, and hence the latter and its supporting means or the pipes mentioned are not disturbed.

From the foregoing it will be seen that by the arrangement above set forth the casing A can be conveniently fastened in position on the floor-beam and turned to bring its openings into the desired direction for the pipes or
30 other devices to be supported by the hanger.

Although the device is shown and described as a hanger, it is evident that it may be used for other purposes—for instance, as a junction-box for electric connections.

35 Having thus described my invention, I claim

as new and desire to secure by Letters Patent—

1. A hanger comprising a casing having openings for the passage of pipes and the like, a sectional clamp for engaging a beam, a screw
40 engaging the clamp-sections, and a pivot on which the casing is mounted to turn, the pivot screwing on the said screw, to act as a nut to fasten the clamp-sections together, as set forth.

2. A hanger comprising a casing made in
45 sections and having sets of oppositely-disposed openings, a pivot held between the sections of the casing and provided with a flange outside of the casing, a sectional clamp for engaging a beam, and a screw held on the clamp-sections and on which screws the said pivot, the
50 flange of the pivot abutting against one of the clamp-sections, as set forth.

3. A hanger comprising a casing made in
55 sections, removably fastened together and having openings for the reception of pipes and the like, a pivot on which the casing is mounted to turn, the pivot engaging both sections, to allow removal of either section without disconnecting the other section, and means for attaching the said pivot to a support, as set
60 forth.

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

GEORGE NISSENSON.

Witnesses:

THEO. G. HOSTER,

EVERARD BOLTON MARSHALL.