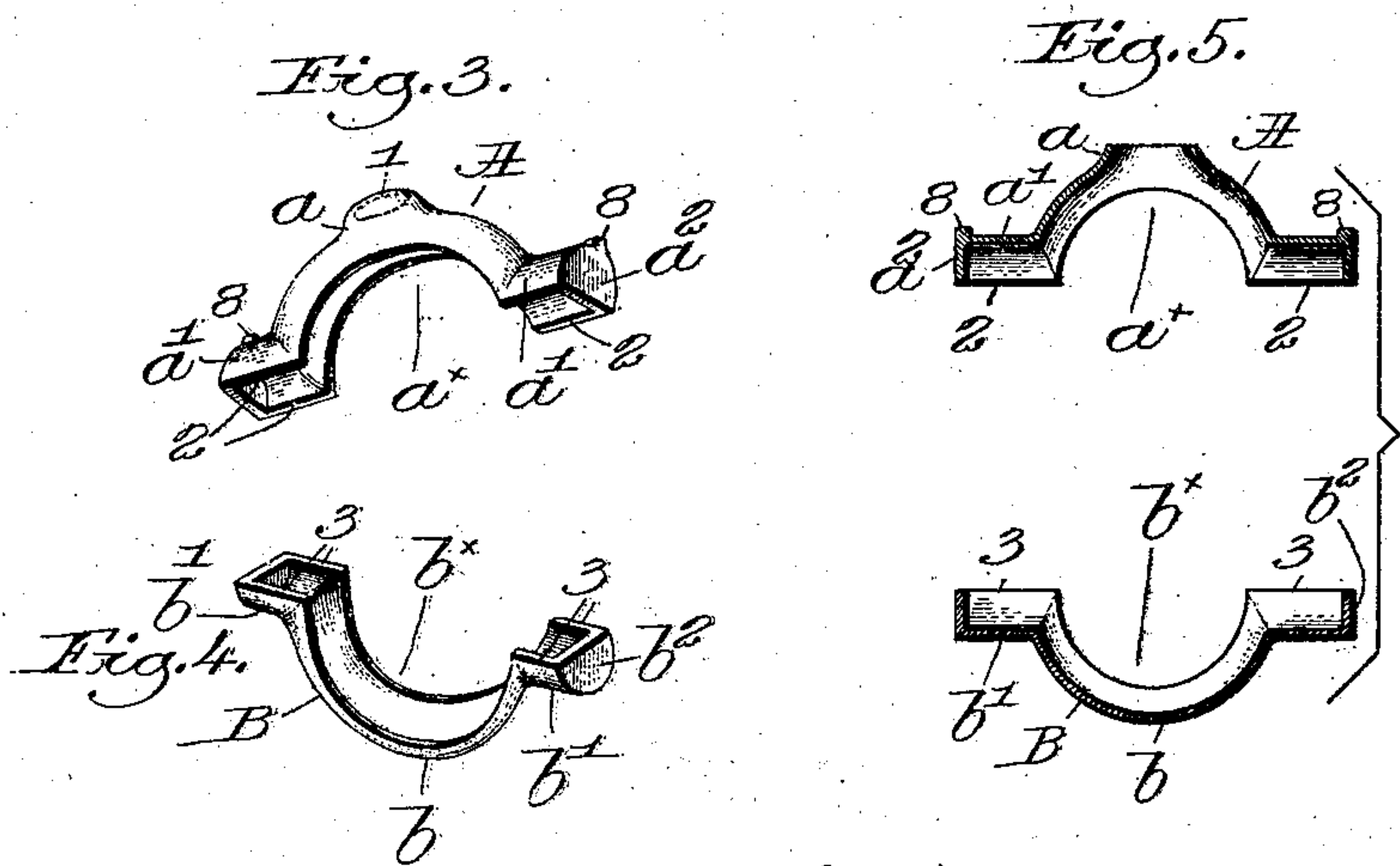
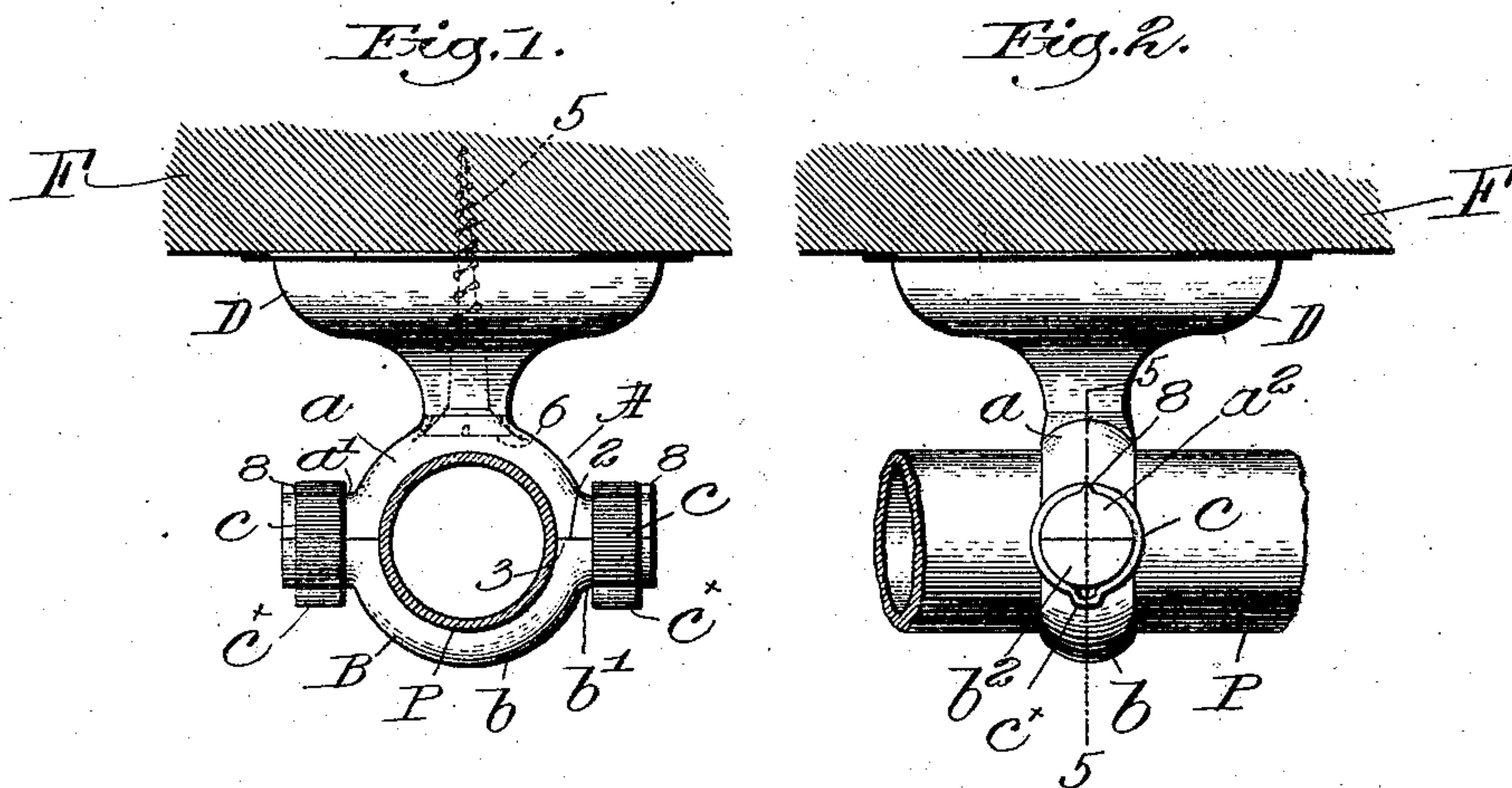


No. 785,100.

PATENTED MAR. 21, 1905.

C. W. HODGDON.
PIPE HANGER.

APPLICATION FILED JUNE 25, 1904.



Witnesses:
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PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 785,100, dated March 21, 1905.

Application filed June 25, 1904. Serial No. 214,083.

To all whom it may concern:

Be it known that I, CHARLES W. HODGDON, a citizen of the United States, residing at Somerville, county of Middlesex, and State of Massachusetts, have invented an Improvement in Pipe-Hangers, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention has for its object the production of a simple, durable, and efficient pipe-hanger to sustain water, steam, or other pipes upon the walls or ceilings of rooms and of such construction that it can be readily put up and applied to the pipe while presenting a neat effect to the eye.

The various novel features of my invention will be fully described in the subjoined specification and particularly pointed out in the following claims.

Figure 1 is a front elevation of a pipe-hanger embodying my invention shown as applied to a ceiling or other overhead structure, with a pipe in section within the hanger. Fig. 2 is a side elevation thereof, a portion of the pipe being shown. Figs. 3 and 4 are perspective views of the two parts of the hanger which embrace the pipe. Fig. 5 is a section on the line 5 5, Fig. 2, of the two parts of the hanger separated from each other and with the holding members or couplings omitted; and Fig. 6 is a perspective view of one of the couplings.

In accordance with the present embodiment of my invention the pipe-hanger comprises two similar members A B, each being made of sheet metal stamped or struck up and having a transversely-arched or semitubular shape from end to end to impart the requisite strength and rigidity.

The members A and B have central body portions a b , respectively, forming in each a concave pipe-seat a^x b^x , Figs. 3, 4, and 5, shown herein as semicircular and of such radius as to nicely fit one-half of the pipe P, Figs. 1 and 2.

At each side of the pipe-seat the member A has semicylindrical lateral extensions a' , each closed at its outer end at a'' , it being

noted that the straight edges 2 of said extensions are in one and the same plane. Similarly, the member B has lateral extensions b' , closed at their outer ends at b'' , and with straight edges 3, which abut against the edges 2 of the opposed extensions of member A when the two members are assembled in operative position, Figs. 1 and 2. The closing portions a'' b'' assist in stiffening and strengthening the extensions of the members A and B and also improve the finish thereof. One of the members, as A, has an aperture 1 in the center of the seat-forming portion to receive the shank 5 of a screw, Fig. 1, (see dotted lines,) by which said member is fastened to a supporting-surface F, which may be the wall or ceiling of a room, the head 6 of the sustaining-screw entering and being concealed by the arched part at the base of the seat a^x . This member A may be termed the "supporting" member and its coöperating member B the "hanger" member, and usually a rosette or boss D is interposed between the wall or ceiling and the member A of the pipe-hanger to give a finish thereto and also to separate it a greater distance from the supporting object. Each lateral extension being semicylindrical it will be manifest that when the two members of the hanger are in operative position the edges 2 will abut against the opposed edges 3 of the adjacent extensions, a circular opening for the pipe being formed by the seats a^x b^x . In order to clamp and lock said members together in a simple and convenient manner without requiring tools to effect such clamping, I have arranged two couplings, shown as annular bands c of considerable width and of a diameter which will just slip over a pair of abutted extensions.

To retain the couplings in place, I provide retaining-lugs on the extensions of one member, and herein I have shown the extensions a' as each having a radially-extended retaining-lug 8 on its convex surface and at the outer end of the extension.

The couplings are each provided with a clearance to slip over such lug, and in the construction shown the periphery of the an-

nular coupling is bent or offset, as at c^x , to form a groove c' from side to side of the coupling, said groove constituting the clearance to slip over and past the lug.

5 The supporting members A having been fixed in place, the pipe is seated in the seats a^x and the hanger members B are positioned as shown in Fig. 1, and by bringing the groove or clearance of the coupling opposite the lug
10 8 the coupling can be slipped over it and onto the abutting extensions, whereupon the coupling is turned half-way round, Figs. 1 and 2, and the lug 8 prevents its removal, so that the members A and B are clamped or locked to-
15 gether about the pipe.

To remove the hanger member, the couplings are turned into position to be withdrawn and are slid off the extensions, releasing the two members of the hanger.

20 The weight of the pipe-hanger is very small. It is very strong and durable owing to its arched construction, and it provides an artistic, thoroughly efficient, and readily-manipulated device for supporting piping in a
25 room or elsewhere.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pipe-hanging device, comprising two
30 similar, separable members each having a concave pipe-seat and a lateral, externally semicylindrical extension at each side of the seat, a retaining-lug on each extension of one member, annular couplings to embrace and
35 lock together each adjacent pair of extensions, each coupling having an offset in its periphery to slip over and past the retaining-lug, and sustaining means operatively connected with one of said members.

40 2. In a pipe-hanging device, two similar, separable members made of sheet metal and each having a semicircular pipe-seat and a lateral extension at each side thereof, semicylindrical in cross-section, a radial retaining-lug
45 on the convex surface of each extension of one member, the extensions of the two members cooperating with each other when in operative position, and annular couplings to embrace and lock together each cooperating pair
50 of extensions, each coupling having an offset in its periphery to slip over and past the retaining-lug.

3. In a pipe-hanging device, two similar, separable members made of sheet metal semitubular throughout their length and each hav-
55 ing a centrally-arranged pipe-seat and a lat-

eral, semicylindrical extension at each side thereof, a radial retaining-lug on the convex portion of each extension of one of said members, and annular couplings to embrace and
60 lock together each cooperating pair of extensions, each of said couplings having a clearance to slip over and beyond the retaining-lug when the coupling is applied or removed.

4. In a pipe-hanging device, two similar,
65 separable members made of sheet metal transversely arched throughout their length and each having a centrally-arranged pipe-seat and a lateral, semicylindrical extension at each side thereof, a radial retaining-lug on the con-
70 vex portion of each extension of one of said members, the extensions of the two members abutting when the same are in operative position, and annular couplings to embrace and lock together each pair of abutting exten-
75 sions, each coupling having a peripheral offset to slip over and past the retaining-lug when the coupling is applied or removed.

5. A pipe-hanging device, comprising two similar, separable members made of sheet
80 metal and semitubular throughout their length, each having a central pipe-seat and a semicylindrical, lateral extension at each side closed at its outer end, the parallel edges of the opposed extensions abutting when the
85 members are in operative position, a radial retaining-lug on each extension of one of said members, at its outer end, annular couplings to embrace and lock together the abutting pairs of extensions, each coupling having a
90 clearance portion to slip over and past the lug, and a supporting device extended through the seat-forming portion of one of said members.

6. In a pipe-hanger, two similar, separable
95 members struck up from sheet metal and semitubular throughout their length to impart strength and stiffness, each member having a central pipe-seat and a semicylindrical lateral extension at each side thereof closed at its
outer end, the adjacent straight edges of op-
100 posed extensions abutting when the members are in operative position, and detachable couplings to embrace and lock together abutting extensions.

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

CHARLES W. HODGDON.

Witnesses:

JOHN C. EDWARDS,
ELIZABETH R. MORRISON.