

No. 662,145.

Patented Nov. 20, 1900.

O. C. DAUGHERTY.
BATH CABINET FRAME.

(Application filed Dec. 20, 1899.)

(No Model.)

Fig. 1

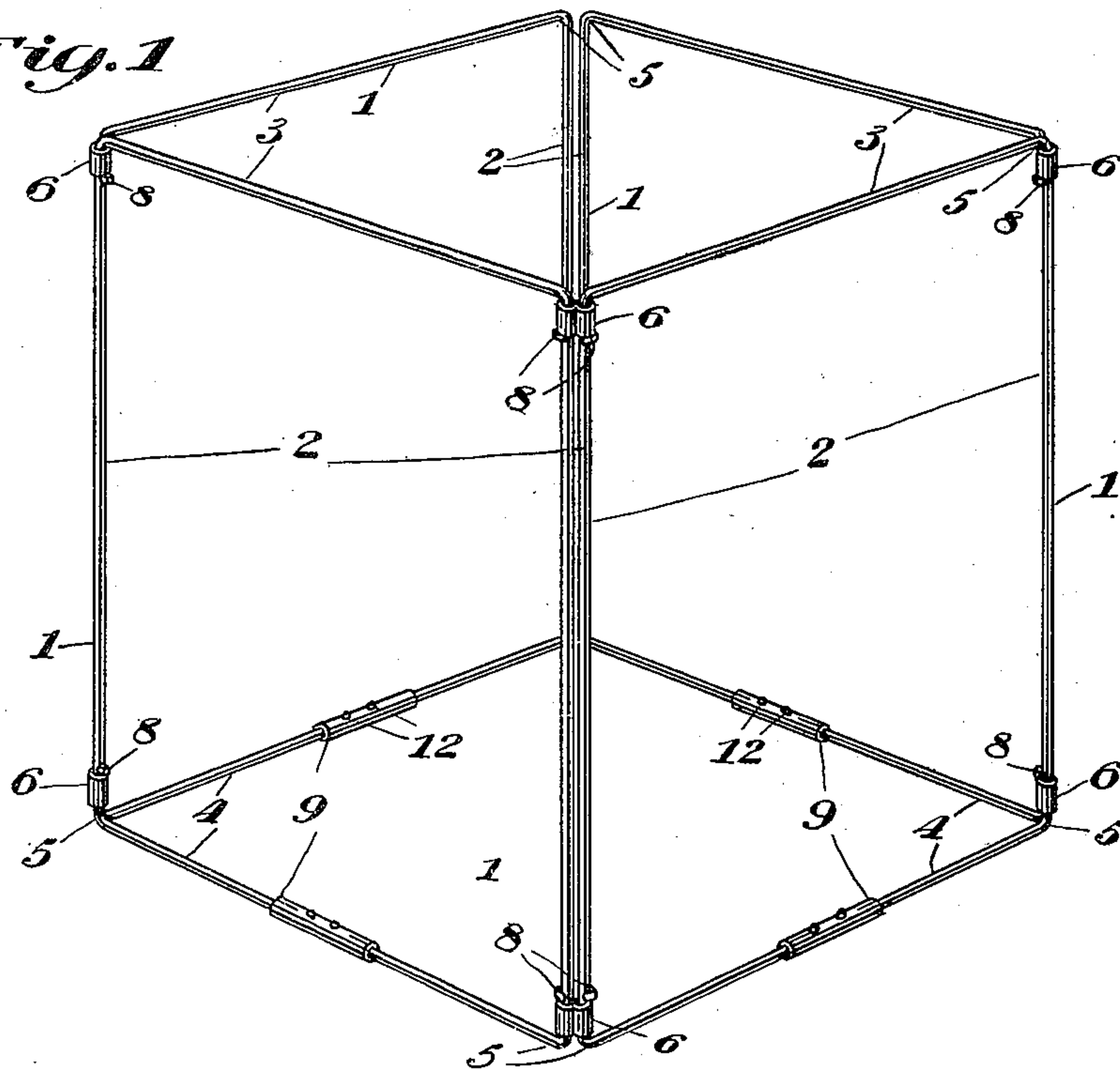


Fig. 2

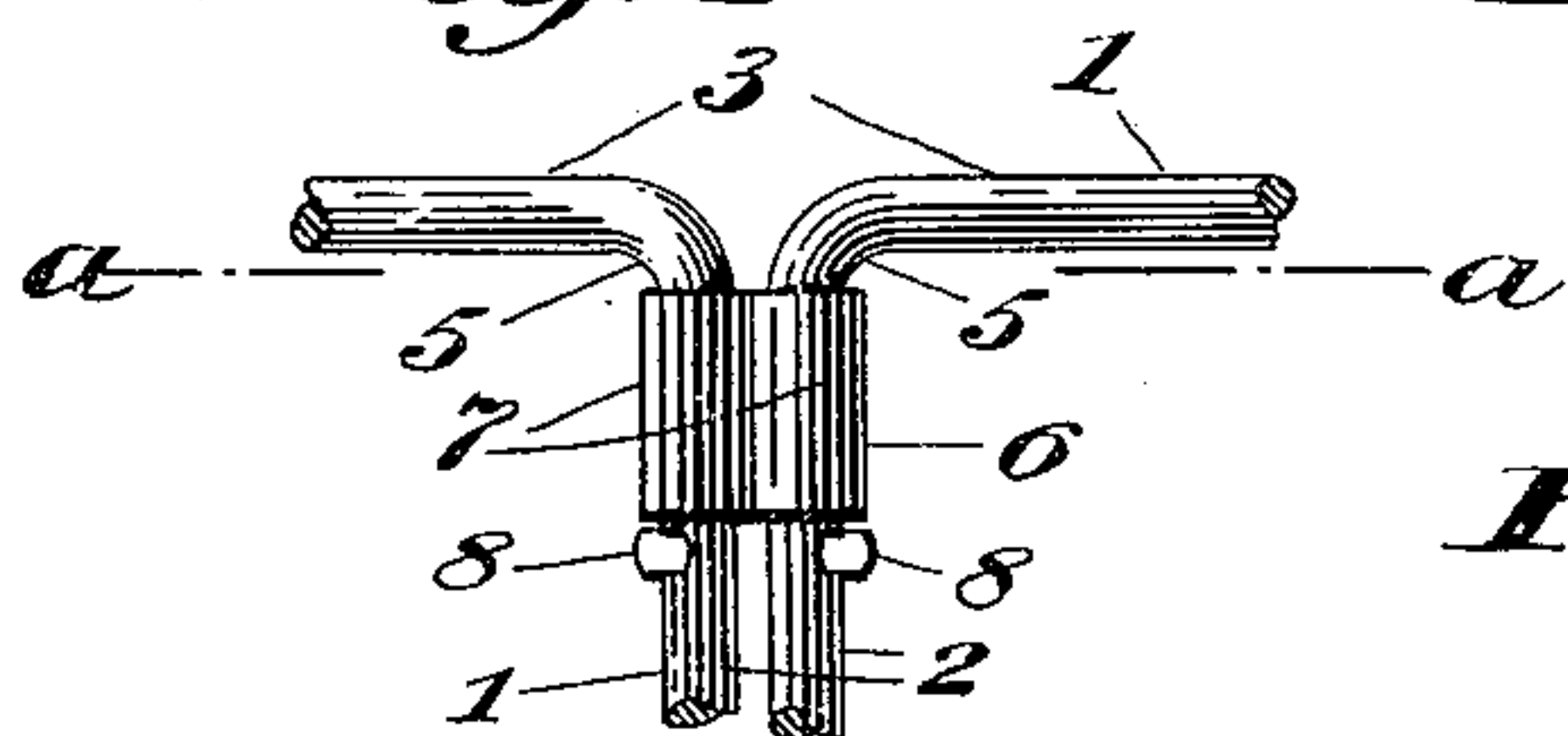


Fig. 4



Fig. 5

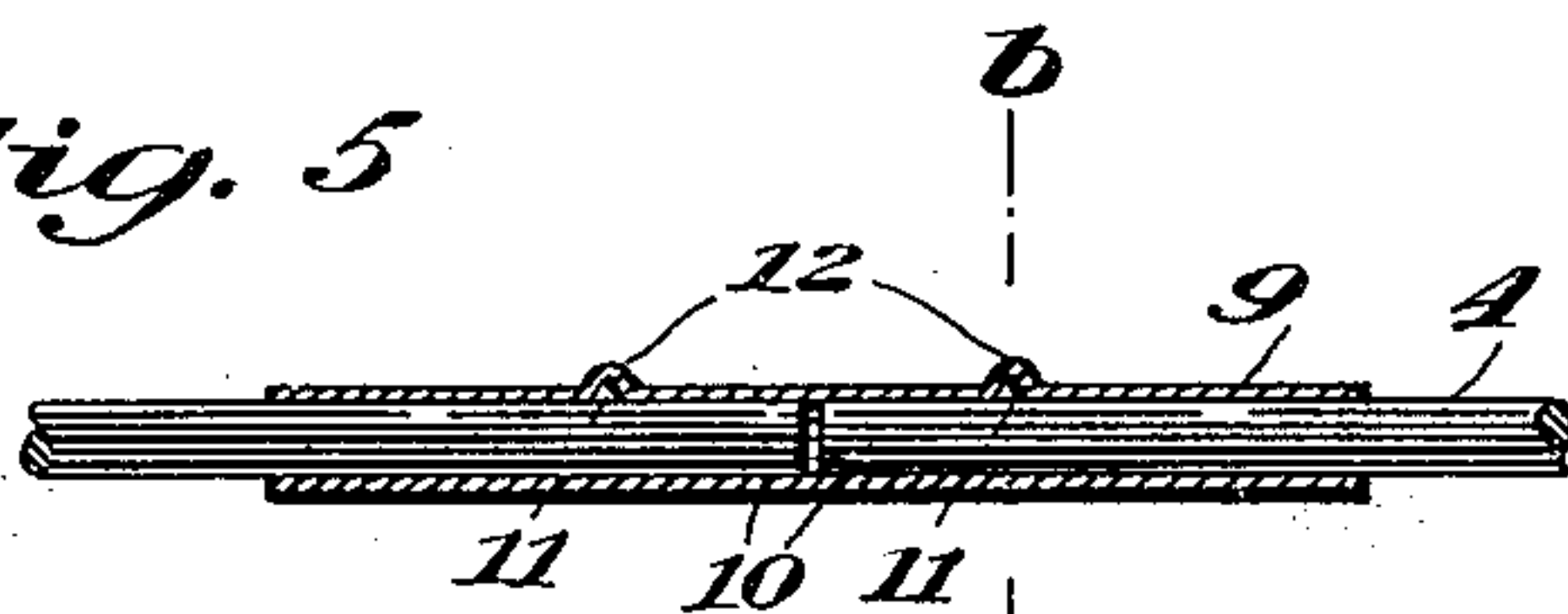


Fig. 3

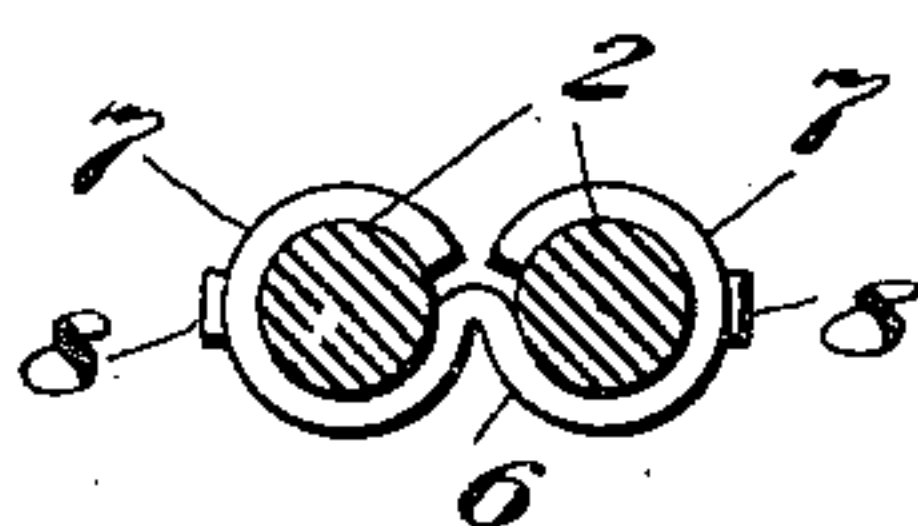
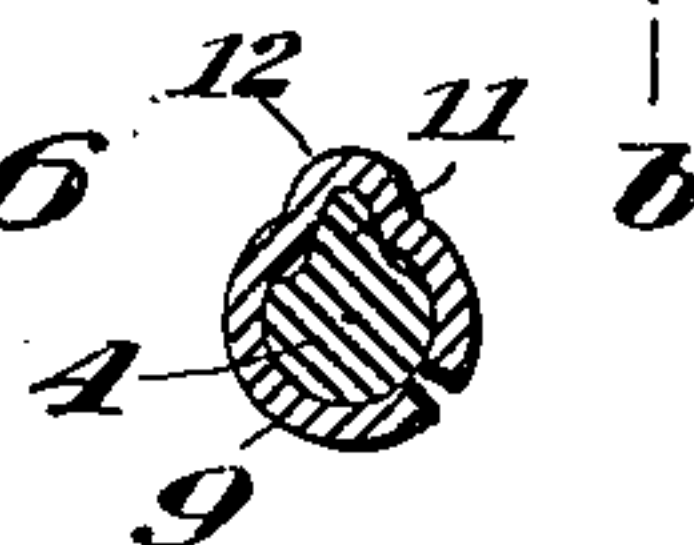


Fig. 6



Witnesses

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ORIE C. DAUGHERTY, OF CINCINNATI, OHIO, ASSIGNOR TO RALPH B. GOODRICH, OF SAME PLACE.

BATH-CABINET FRAME.

SPECIFICATION forming part of Letters Patent No. 662,145, dated November 20, 1900.

Application filed December 20, 1899. Serial No. 740,956. (No model.)

To all whom it may concern:

Be it known that I, ORIE C. DAUGHERTY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Bath-Cabinet Frames, of which the following is a specification.

My invention relates to certain improvements in frames for bath-cabinets and the like.

The object of my invention is to provide a frame of this kind which shall be of a strong and durable construction and shall be adapted to fold compactly together, so as to occupy a small space in shipping and when not required for use.

My invention consists in certain novel features of the construction, combination, and arrangement of the several parts of the improved frame, whereby certain important advantages are attained and the device is made simpler, stronger, and otherwise better adapted and more convenient for use, all as will be hereinafter fully set forth.

The novel features of the invention will be carefully defined in the claim.

In the accompanying drawings, which serve to illustrate my invention, Figure 1 is a perspective view drawn to a small scale and showing a bath-cabinet frame constructed according to my invention in opened or unfolded position. Fig. 2 is an enlarged fragmentary view showing the means for hinging the sections of the frame together. Fig. 3 is an enlarged sectional view taken in the plane indicated by line *a a* in Fig. 2 and showing the said hinging means. Fig. 4 is an enlarged fragmentary view showing the means for joining the ends of the rod or bar from which each section of the frame is formed. Fig. 5 is a sectional view taken through the coupling-sleeve at said joint. Fig. 6 is an enlarged transverse section taken through the joint in the plane indicated by line *b b* in Fig. 5.

As shown, the frame is constructed of a plurality of sections, preferably four in number, each section being formed of a metal bar or rod of circular cross-section bent into a general rectangular form, so as to produce vertical side bars or stiles 2 2, a top rail 3, and

a bottom rail 4 for each section, these parts being connected by the bends 5 5, formed in the bar or rod. The rectangular sections 1 1 are arranged with their side bars or stiles 2 2 adjacent and hinged together by means of hinge devices 6, each formed of a link or piece of sheet metal or the like having its end portions 7 7 bent into a general circular or ring-like form to embrace and turn upon one of the side bars 2 2, as clearly shown in Figs. 1, 2, and 3. Two hinge devices 6 are employed for holding each two adjacent sections 1 in hinged relation, one of said devices being arranged at each end of the two adjacent side bars 2, as clearly shown in Fig. 1. The hinge devices 6 are held against slipping in one direction along the side bars 2 2 by the bends 5 of the frame-sections, and in order to prevent them from slipping along said side bars in the opposite direction I provide upon the side bars or stiles 2 projecting lugs or pins 8 to engage the portions 7 of the hinge devices opposite to the bends 5, said lugs or pins 8 being formed integrally upon the metal side bars 2 by pressing out the metal from which said bars are formed. To couple the ends of the bars from which the frame-sections 1 are formed, I employ a joint such as is shown in Figs. 1, 4, 5, and 6, the joints being located centrally in the bottom rail 4 of each section and each comprising a sheet-metal sleeve 9, bent to embrace the abutting ends 10 of the bar of which the section 1 is formed. The ends 10 of the metal bar have produced upon them lugs or projections 11 11, formed by pressing the metal of the bar out laterally, as shown in Figs. 5 and 6, and in applying the coupling-sleeves 9 over said ends 10 said sleeve is pressed down, around, and over the projections 11, so as to securely hold the ends 10 against slipping lengthwise in the sleeve. By this construction of the frame it will be seen that the several sections are given the maximum of strength and durability, and owing to the construction and arrangement of the hinge devices 6 the sections are made capable of being folded compactly together, so as to take up the least possible space when the frame is not in use. The arrangement and construction of the hinge devices also af-

ford a secure and simple fastening and brace to hold the sections together and support them when the frame is in use.

5 The improved frame is of an extremely simple and inexpensive construction and is especially well adapted for use in bath-cabinets and similar devices on account of the compactness with which it may be folded, and it will also be apparent from the above
10 description that the device is capable of some modification without material departure from the scope and spirit of my invention, and for this reason I do not wish to be understood as limiting myself to the precise form and arrangement of the several parts herein set
15 forth.

I claim—

A frame for bath-cabinets and the like made up of sections of metal bars, each section having its ends adjacent each other and provided 20 with projections and a coupling-sleeve embracing said ends and having its inner wall pressed down upon the top and around all sides of said projections to hold the ends against movement in the sleeve and the sleeve 25 from movement thereon, substantially as shown and described.

ORIE C. DAUGHERTY.

Witnesses:

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