No. 777,515. PATENTED DEC. 13, 1904.

H. F. KEIL.

METALLIC LEG OR SUPPORT.

APPLICATION FILED MAR. 16, 1904.

NO MODEL. 3 SHEETS—SHEET 1.

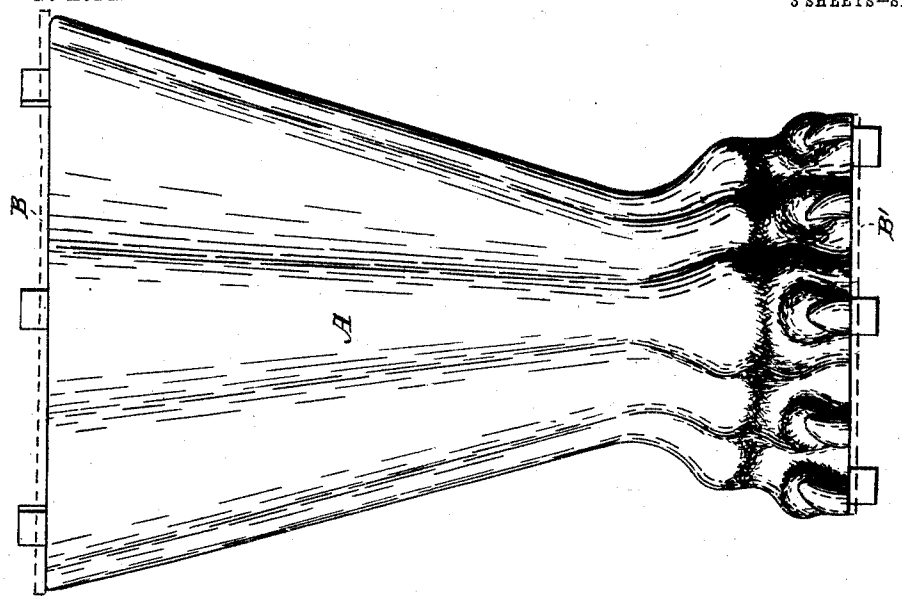

Fig. 2.

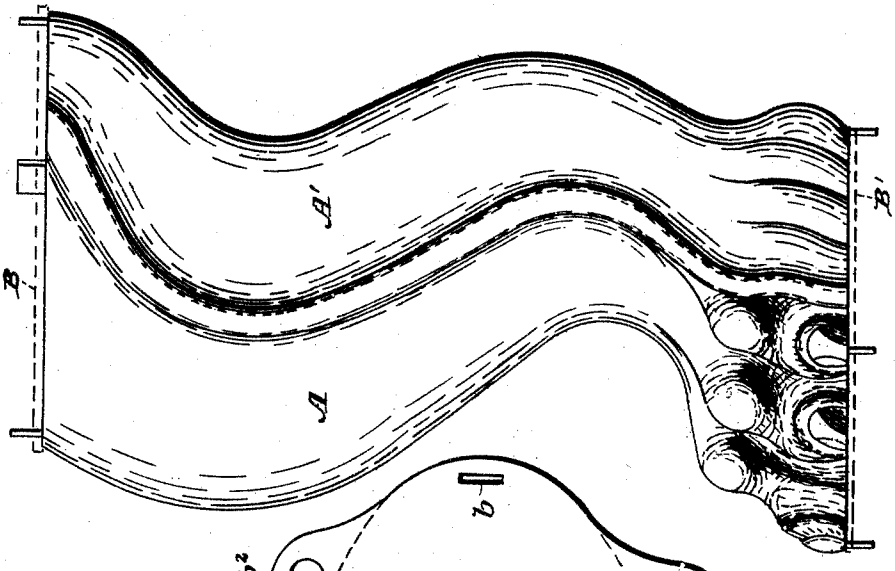

Fig. 1.

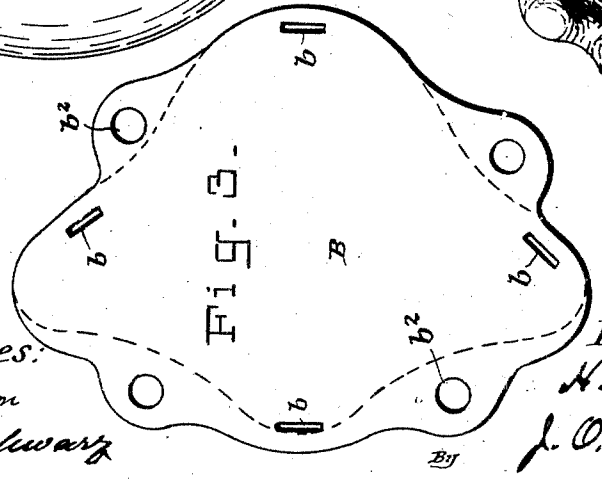

Fig. 3.

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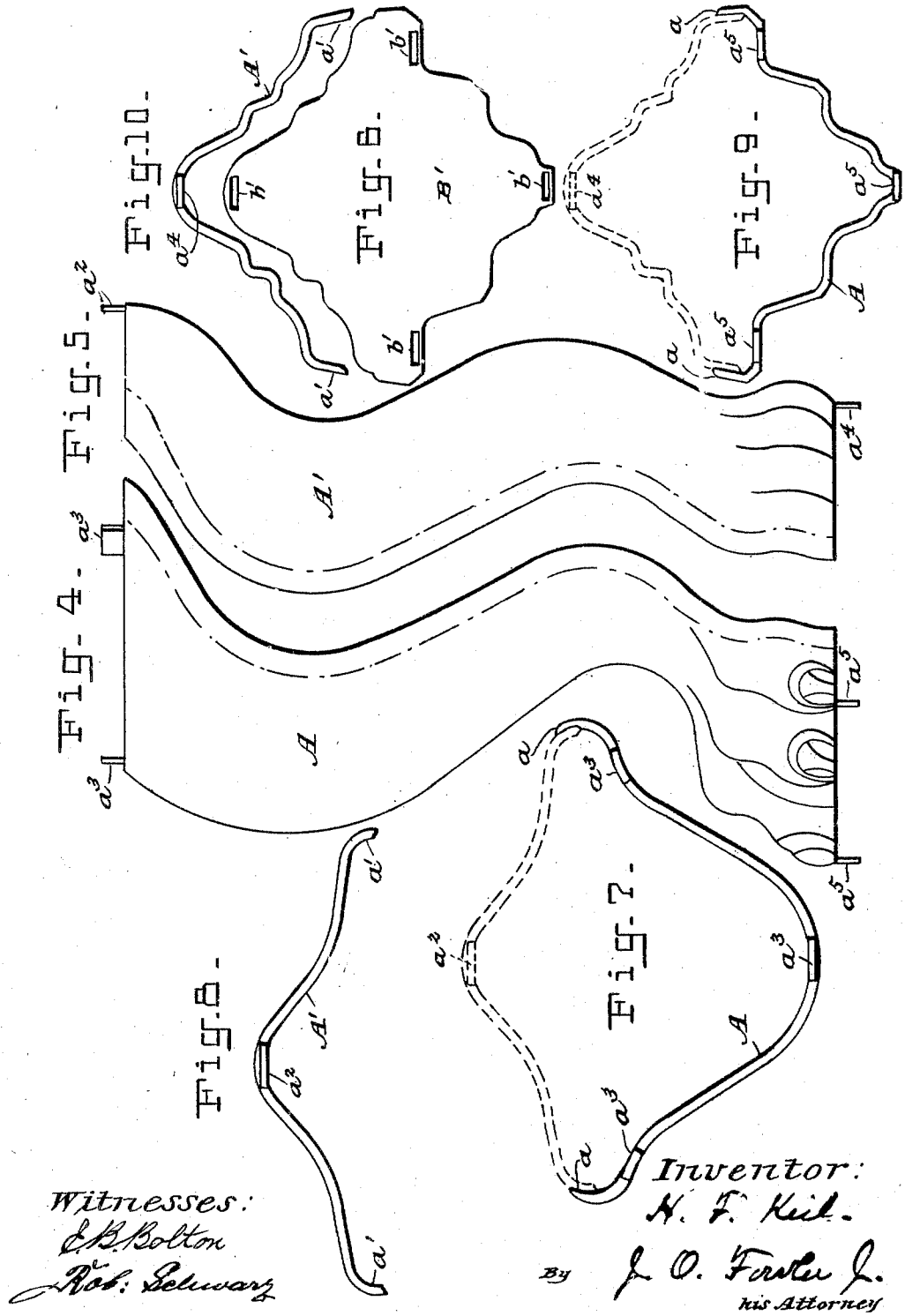
NO MODEL. 3 SHEETS—SHEET 2.



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NO MODEL. 3 SHEETS—SHEET 3.

Fig. 11.

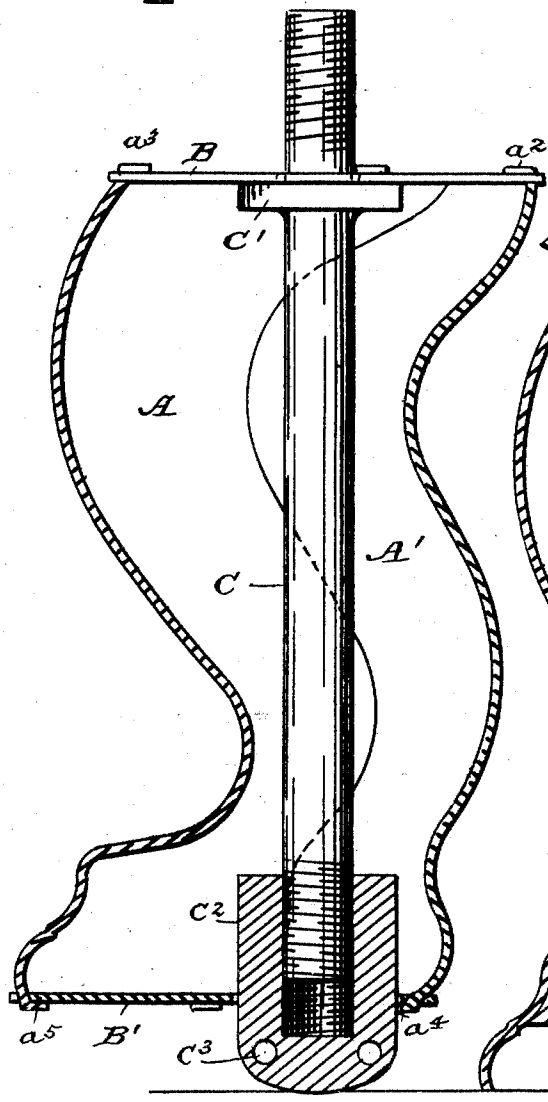
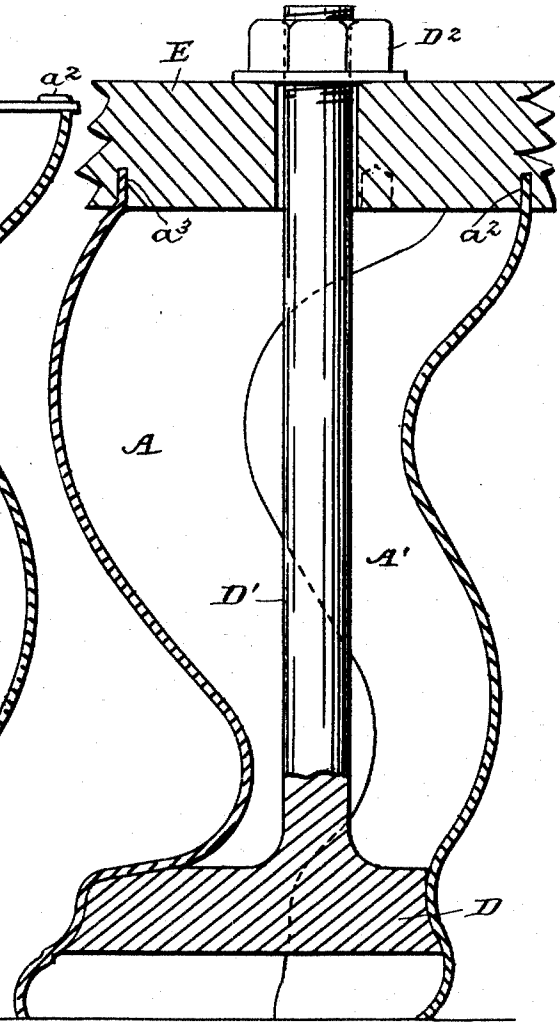


Fig. 12.



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No. 777,515. Patented December 13, 1904.

UNITED STATES PATENT OFFICE.

HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

METALLIC LEG OR SUPPORT.

SPECIFICATION forming part of Letters Patent No. 777,515, dated December 13, 1904.

Application filed March 16, 1904. Serial No. 198,427. (No model.)

To all whom it may concern:

Be it known that I, HENRY FRANCIS KEIL, a citizen of the United States of America, and a resident of Bronxville, in the county of Westchester and State of New York, have invented a certain new and useful Metallic Leg or Support, of which the following is a specification, the same being a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to articles constructed and arranged to serve as ornamental supports for show-cases, stands, bath-tubs, or other articles of household and commercial use; and it has for its object the production of a structure formed of sheet metal and stamped out and shaped up and the various parts assembled together in order to provide a light as well as strong and durable metal leg.

With this object in view the invention consists in certain novel features of construction and combination and arrangement of parts, all of which will be hereinafter described, and specifically pointed out in the drawings, which accompany and form a part of this specification, and in which—

Figure 1 represents a side elevation of a sheet-metal support or leg constructed according to my invention. Fig. 2 is a front elevation of the same. Fig. 3 is a plan view of my top plate. Fig. 4 is a view of my front section or member in side elevation. Fig. 5 is a similar view of my rear section or member. Fig. 6 is a plan view of my base-plate. Figs. 7 and 8 are views representing, respectively, the contours of the tops of my rear and front sections. Figs. 9 and 10 are views, respectively, showing the contours of the bottoms of my front and rear sections or members; and Figs. 11 and 12 are views in section of other metal legs constructed according to my invention.

Like letters of reference indicate like parts in all the views.

Referring particularly to the drawings, A denotes the front, and A′ the rear, section or member of the leg. The front member or section A is cut from a piece of any suitable sheet metal and formed up or compressed between dies in order to assume the required and preferably ornamental shape, and it is ordinarily provided with engaging means, as the top and preferably bottom projecting portions a^3 a^5 and the curved side edge a. The rear member or section A′ is made in a similar manner and is ordinarily provided with engaging means, as the top and preferably bottom projections a^2 a^4 and the curved edge a'. The side edges of the front section or member A are curved rearwardly, and the side edges of the rear section or member A′ are curved forwardly to conform with and lie within the curved side edges of the front section, or vice versa.

My top plate B is preferably made somewhat larger than the top edge of the leg and is formed with orifices b, constructed and arranged to register with the projections a^2 a^3, and also with screw-holes b^2 for purposes of securing the leg to an article of furniture or other object desired. The bottom plate B′ is made of approximately the size of the contour of the lower edge of the leg and is formed with orifices b', constructed and arranged to register with the projections a^4 a^5.

The members or sections A A′ may be assembled and held in position by any suitable means and in any manner that may be desired. I prefer, however, to fasten the two members or sections of the leg together by beading the edge a over the edge a'. The joint thus formed will be sufficiently strong to hold the members or sections together. The top plate B may now be applied to the leg, the projections a^3 a^2 being passed through the orifices b and bent over on the plate B or riveted thereto, and the leg may be secured to any article desired by means of screws passed through the screw-holes b^2. The lower plate B′ may be applied to the bottom of the leg A A′, the lower projections a^4 a^5 being passed through the orifices b' and then bent over in the same manner as are the top projections, as hereinbefore described.

The seams or joints formed by the side edges a a' need not necessarily be beaded in cases where the leg is not designed to support heavy articles, as the upper and lower parts B B′ may then serve as sufficiently substantial retainers for the support or leg A A′. In addition to the use of the two said plates B B′ a bolt C may be also used, as shown in

Fig. 11, the said bolt being threaded at both extremities and provided with an annular extension or flange C′, located beneath the upper plate B. The upper part of said bolt may be passed through the base of an article to be supported, as a show-case, and secured thereto by a nut, as shown in Fig. 11, and the lower end of said bolt may be engaged with a slug or ball C^2, which may be screwed up and down by means of an instrument inserted in the orifices C^2 in order to provide means for adjusting the height of the leg A A′. In this instance the seams or joints *a a′* may or may not be beaded.

I sometimes use an interior lower plate, as the block-casting D, (shown in Fig. 12,) from which casting extends upwardly the vertical bolt D′ through the leg A A′, the side edges of which are preferably beaded. The upper part of the bolt passes through the horizontal base, shelf, or other article to be supported, as E, and is secured thereto by a nut D^2, the top prongs or projections $a^3 a^3$ of the leg A A′ in this case serving as guides or retaining portions.

It will thus be seen that the parts of my metal leg or support may be assembled in several different manners, namely—the two sections of the leg may be securely held together by means of the top and bottom plates, in which case the sides of the same need not be beaded or otherwise joined together by the side seams or joints with or without the use of a bolt, as shown in Fig. 11, or the two sections of the leg may be rigidly fastened together by having the side seams beaded together, in which case the top plate alone may be used, or the two sections may be securely held together by means of the block-casting, ordinarily provided with a bolt, as shown in Fig. 12, the said two sections being preferably beaded or otherwise joined together at the side seams or joints and the prongs, projections, or extensions also serving as guides or retainers.

In each of the above combination of parts it will be seen that this invention consists of a sheet-metal leg formed of a front member and a rear member or section having side edges constructed and arranged to meet or engage in combination with means to hold the same together and to attach the said leg to another article.

As it is evident that many changes in the construction, form, proportion, and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, and that

What I claim as my invention is—

1. A cylindrical, hollow, sheet-metal leg consisting of a front member and a rear member or section, both having the side edges thereof constructed and arranged to meet or engage in a curved line conforming in contour with the front and rear faces of said leg to prevent vertical displacement of either section of the leg, in combination with independent top and bottom parallel and horizontal plates having means to hold the leg members together to prevent lateral displacement of the leg-sections, whereby the separate parts may be compactly packed or nested for shipment and, at will, assembled to form a hollow leg closed not only around its body but also at the top and bottom thereof, and means are provided for attaching the leg to another article.

2. A cylindrical, hollow, sheet-metal leg consisting of a front member and a rear member or section both having the side edges thereof beaded, and constructed and arranged to meet or engage in a curved line conforming in contour with the front and rear faces of said leg to prevent vertical displacement of either section of the leg, in combination with independent top and bottom parallel and horizontal plates having means to hold the leg members together to prevent lateral displacement of the leg-sections, whereby the separate plates may be compactly packed or nested for shipment, and, at will, assembled to form a hollow leg closed not only around its body but also at the top and bottom thereof, and means are provided for attaching the said leg to another article.

3. A cylindrical, hollow, sheet-metal leg consisting of a front member and a rear member or section both having the side edges thereof constructed and arranged to meet or engage in a curved line conforming in contour with the front and rear faces of said leg to prevent vertical displacement of either section of the leg, in combination with means to hold the leg members together to prevent lateral displacement of the leg-sections, whereby the separate parts may be compactly packed or nested for shipment and, at will, assembled to form a hollow leg closed not only around its body but also at the top and bottom thereof, and means are provided for attaching the leg to another article, and also with a rod passing through the top and bottom portions of the leg and provided with adjustable lengthening means located beneath the bottom, and also having a bearing consisting of a flange lying under the top of said leg.

In testimony of the foregoing specification I do hereby sign the same, in the city of New York, county and State of New York, this 7th day of March, 1904.

HENRY FRANCIS KEIL.

Witnesses:

F. A. WURZBACH,

H. B. AMMANN.