

(No Model.)

J. G. DAVIS.

PORTABLE VAPOR AND HOT AIR BATH APPARATUS.

No. 377,886.

Patented Feb. 14, 1888.

Fig. 1.

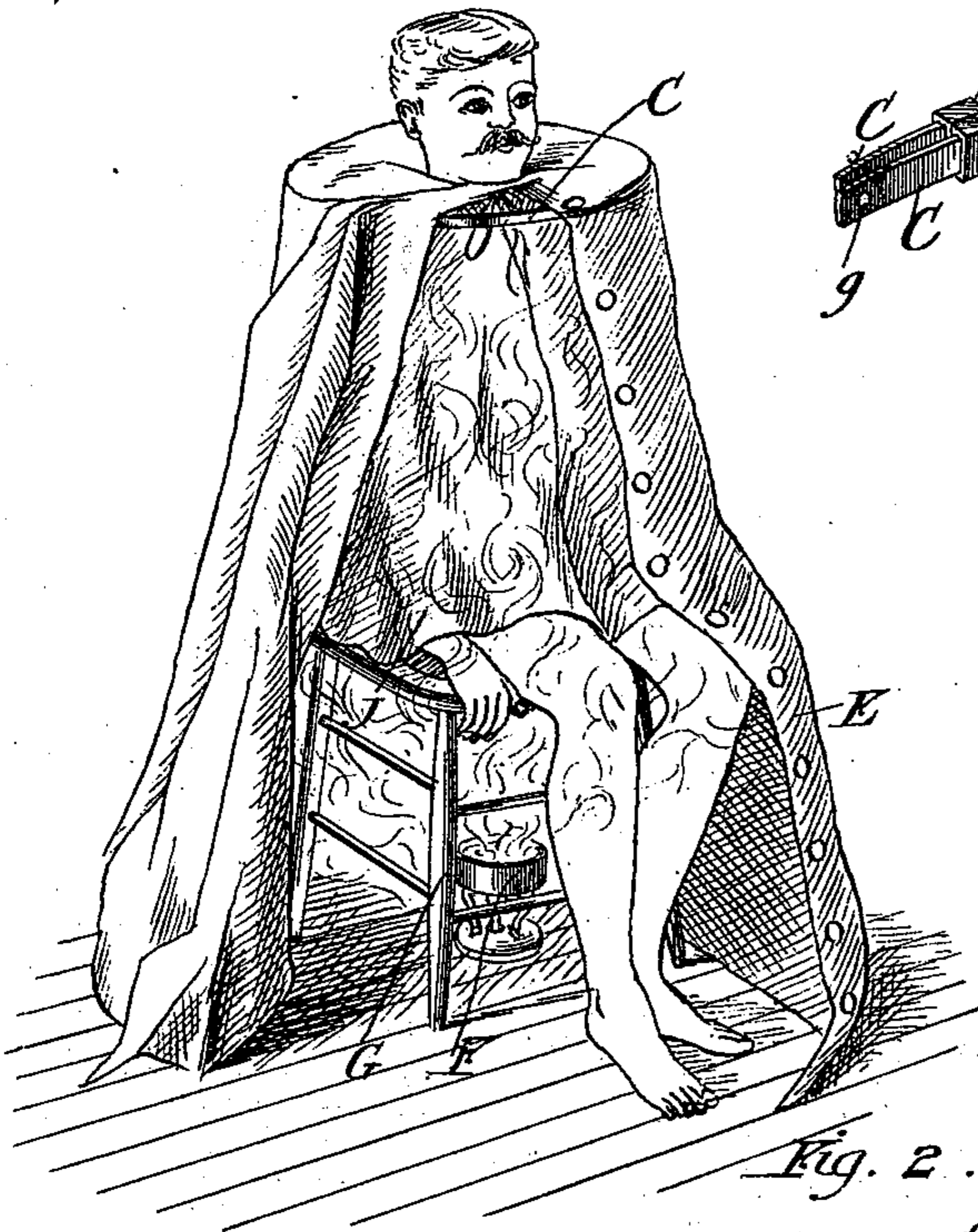


Fig. 4.

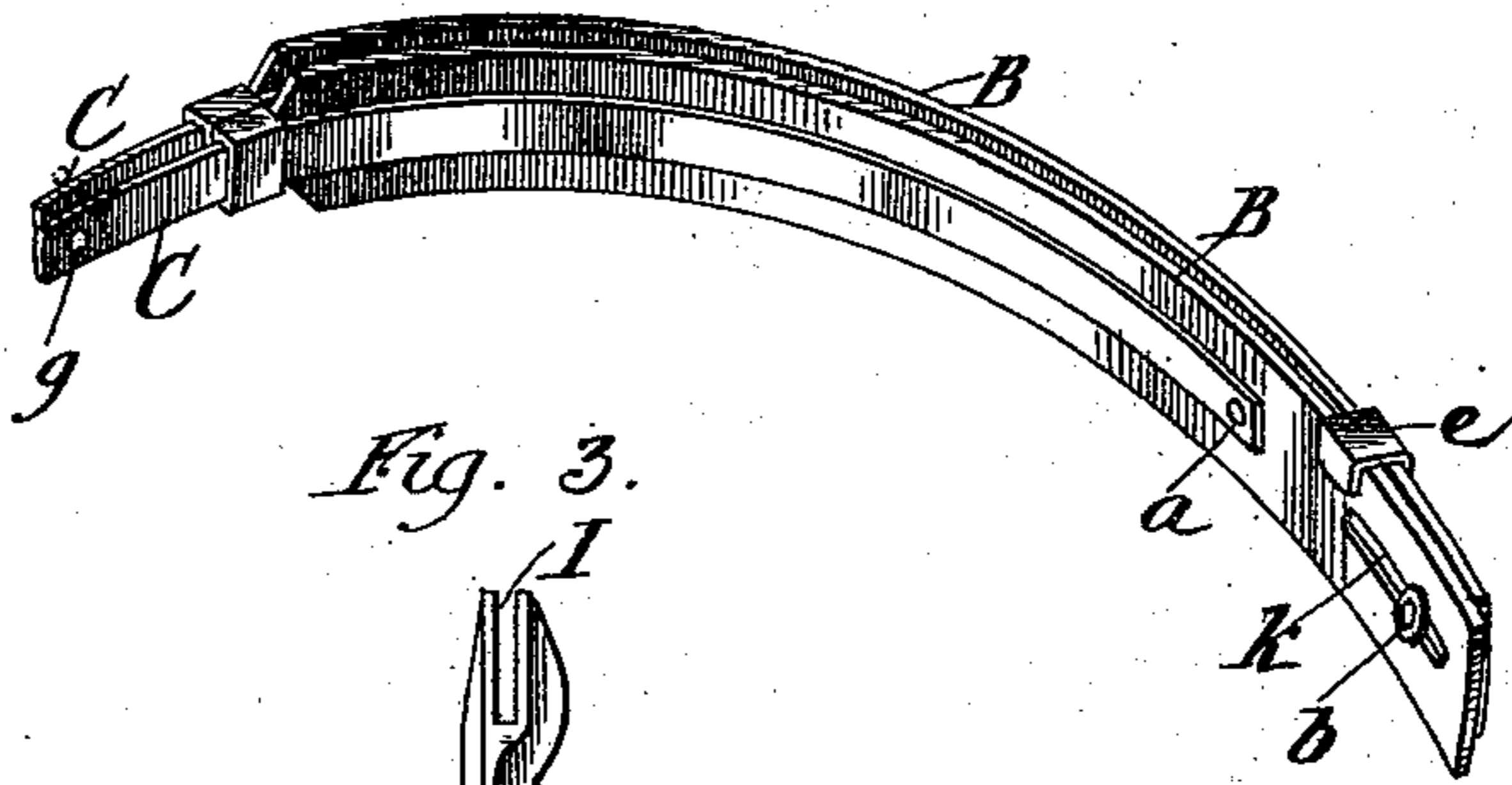


Fig. 3.

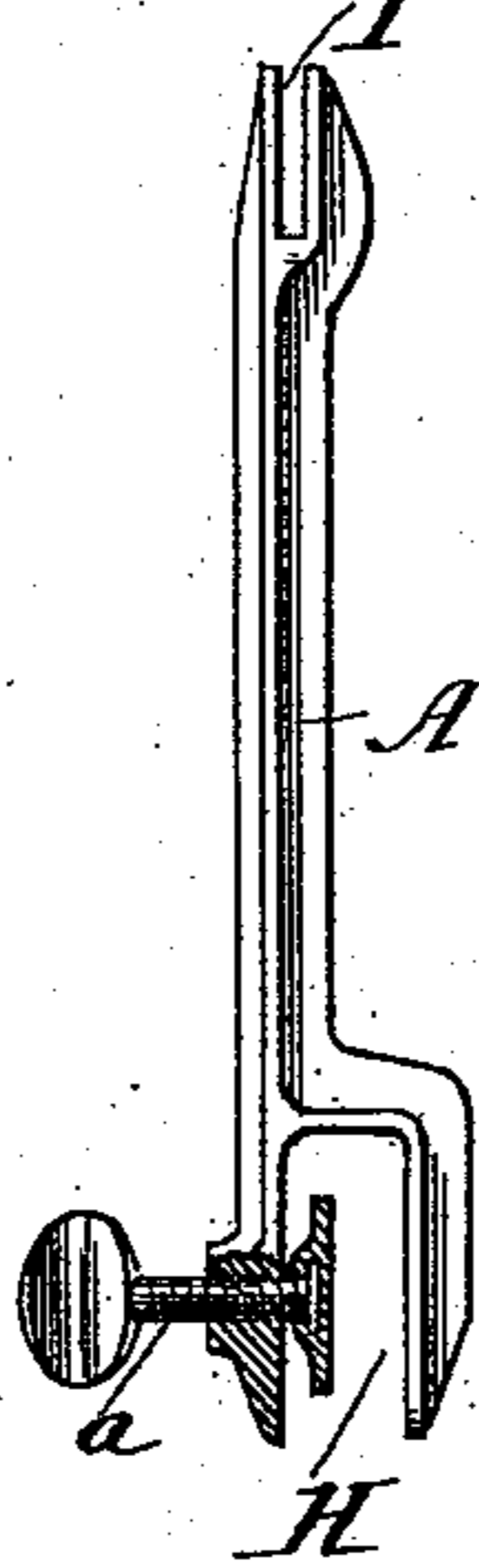
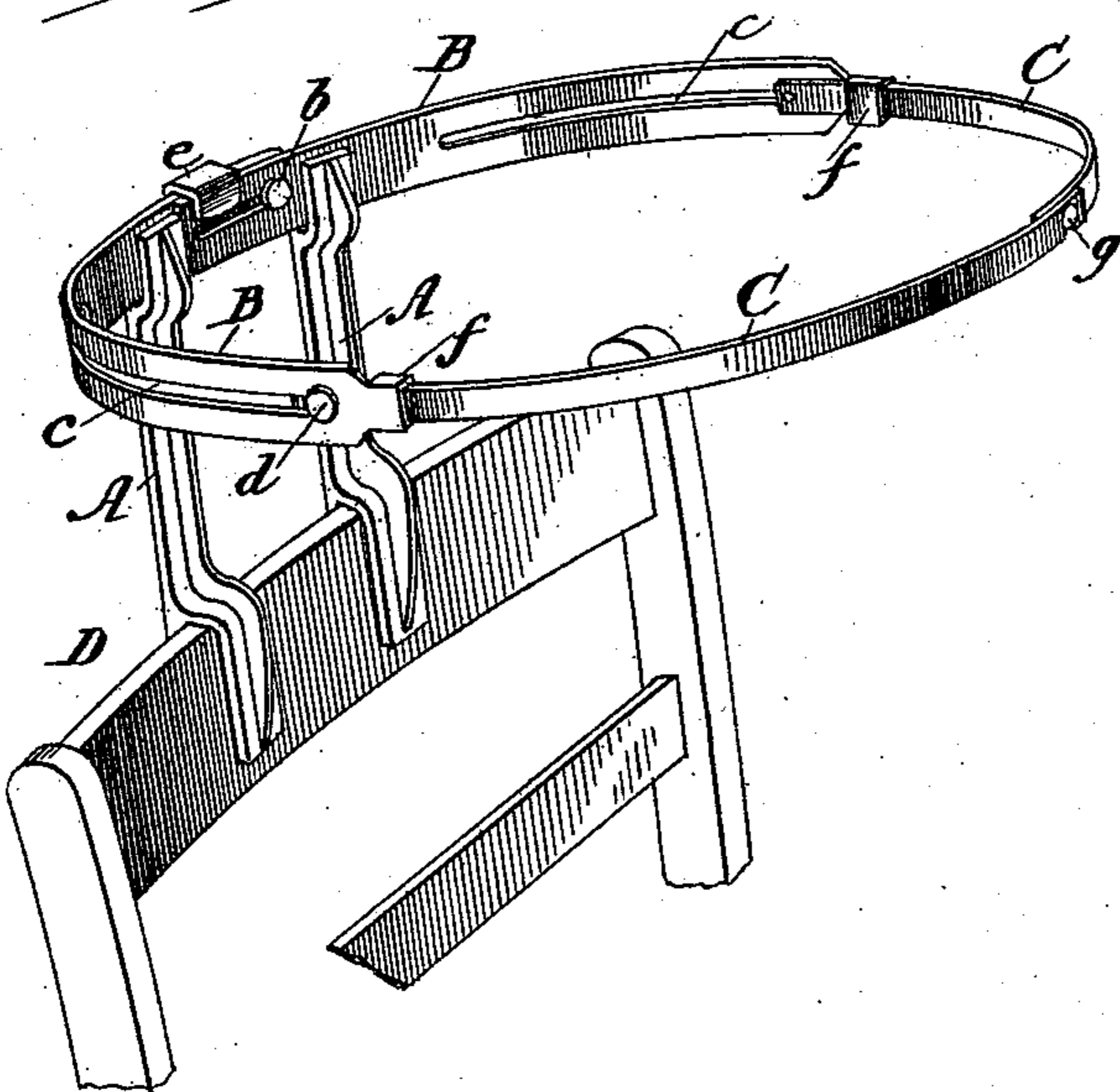


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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## PORTABLE VAPOR AND HOT-AIR BATH APPARATUS.

SPECIFICATION forming part of Letters Patent No. 377,886, dated February 14, 1888.

Application filed March 17, 1885. Serial No. 159,204. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPHINE G. DAVIS, a citizen of the United States, residing in the city of New York, in the county and State of New York, have invented a new and Portable Vapor and Hot-Air Bath Apparatus to be Attached to an Ordinary Chair, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

My invention consists, essentially, of a light and portable device for sustaining and keeping from the shoulders a canvas or rubber covering under which the bath is administered when used in connection with such covering, and a suitable lamp or stove for generating steam or hot air. This device consists of two vertical supports, preferably of brass or galvanized iron, having suitable slots in their lower ends to pass over the rail of the chair, to which they are fastened by thumb-screws, and also having slots in their upper ends to receive horizontal rails, which rails consist of two pieces of metal fastened together and folding upon a rivet when not in use, and two extension-pieces running in grooves in said rails, the whole made to extend in the form of a circle over the chair and just above the shoulders of the patient.

In the drawings, Figure 1 is a view of my bath apparatus attached to the chair with the patient therein, and illustrates the method of administering the bath. Fig. 2 is a view of the device for supporting the canvas or rubber covering attached to the back of the chair ready for use, and Figs. 3 and 4 are views of the separate parts of said device.

Referring now to said drawings, A A are vertical supports, preferably made of brass or galvanized iron, each having a slot, H, to receive the rail D of the chair, and provided with the thumb-screw *a*, by means of which it is secured to the chair, and having also the slot I, to receive the horizontal rails B B.

The horizontal rails B B consist of two pieces of metal, preferably brass or galvanized iron, each made to form about one-quarter of the circle. These rails are connected together by means of a rivet, *b*, upon which they are made to fold when not in use, which rivet is

secured to the outer rail and passes through the slotted hole *h* in the inner rail.

*e* is a clip, also secured to the outer rail and made to receive the end of the inner rail and hold it in position when supporting the canvas.

C C are extension-pieces running in the grooves *c c*, and passing through apertures in the ends *f f* of the rails B B, said extension-pieces being united by the button *g* when ready for use.

E is a canvas or rubber covering, which is made water-proof, and is open at the front throughout and fastened by buttons or loops, and reaching from the neck to the floor. In connection with this canvas I use an inner cape, J, coming in contact with the patient and protecting him from contact with the metal supports.

The method of using my bath apparatus is as follows: The vertical supports are adjusted on the chair and the horizontal rails are placed in the slots in said supports, in manner illustrated in Fig. 2. A lamp or stove is then placed beneath the chair for generating steam or hot air. If steam, I place over the lamp a vessel containing water. The patient being seated in the chair, the covering E is placed around him in manner indicated in Fig. 1, and then buttoned up. The canvas being water-proof, the steam or heat is held in contact with the body. When free perspiration is induced, the upper portion of the covering can be opened and the patient bathed off with a sponge without exposure and with great ease, and in case of too great heat, sudden exhaustion, or accident the patient can rise or be taken out of the chair without delay by simply lifting the rails out of the open slots I. In this manner the patient is not confined to the chair, but can get up at any time without removing the covering E, and without delay, and can return to the chair again, when desired, without adjustment of any of the parts of the device more than to place the rails in the upper slots of the supports A A.

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

1. The curved rails B B, pivoted together

and formed with the sleeves *f*, and each slot-  
ted at *c*, and one provided with the clip *e*, in  
combination with the curved bars C C, each  
held to the rails B by a sleeve, *f*, and a pin, *d*,  
5 working in the slot *c*, substantially as de-  
scribed.

2. The curved rails B B, pivoted together  
and each formed with a sleeve, *f*, and one pro-  
vided with a clip, *e*, and the curved rails C C,

attached to the rails B by the sleeves *f* and pins *d*,  
*d*, working in slots *c*, in combination with the  
supports A A, formed with vertical slots at  
each end, substantially as described.

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Witnesses:

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