

No. 617,641.

Patented Jan. 10, 1899.

N. CHRISTIANSON.
COMBINED CANE AND FOLDING CHAIR.

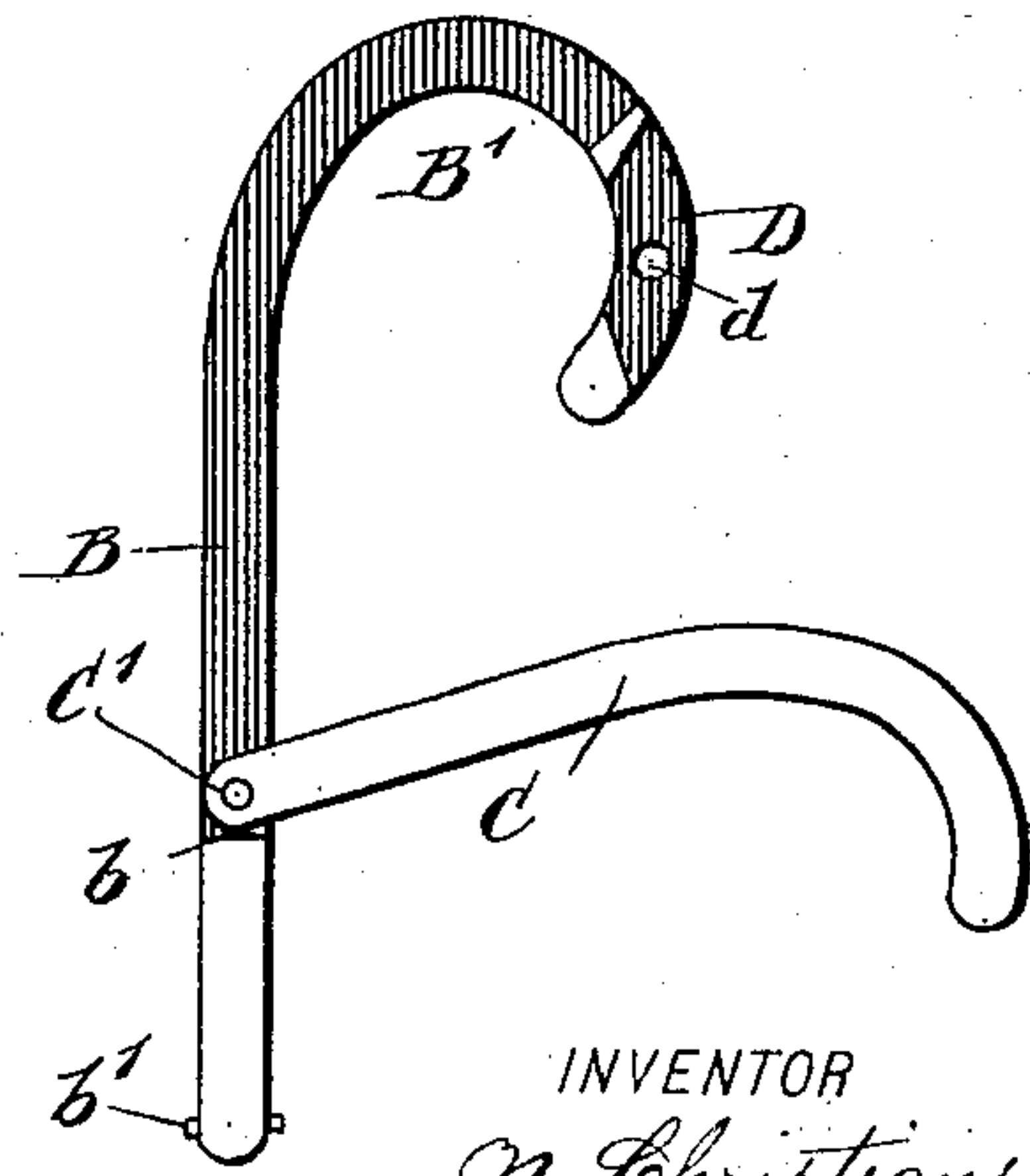
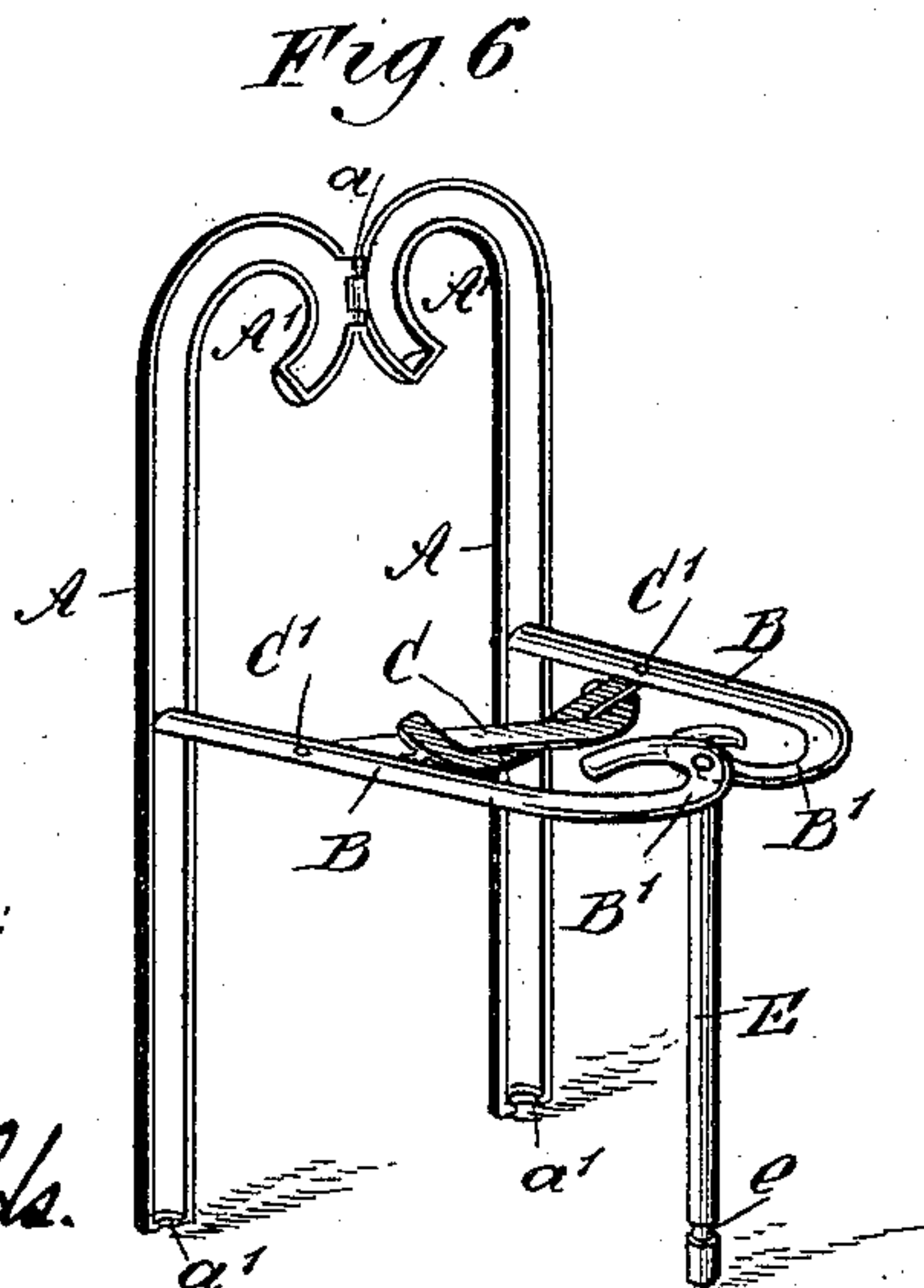
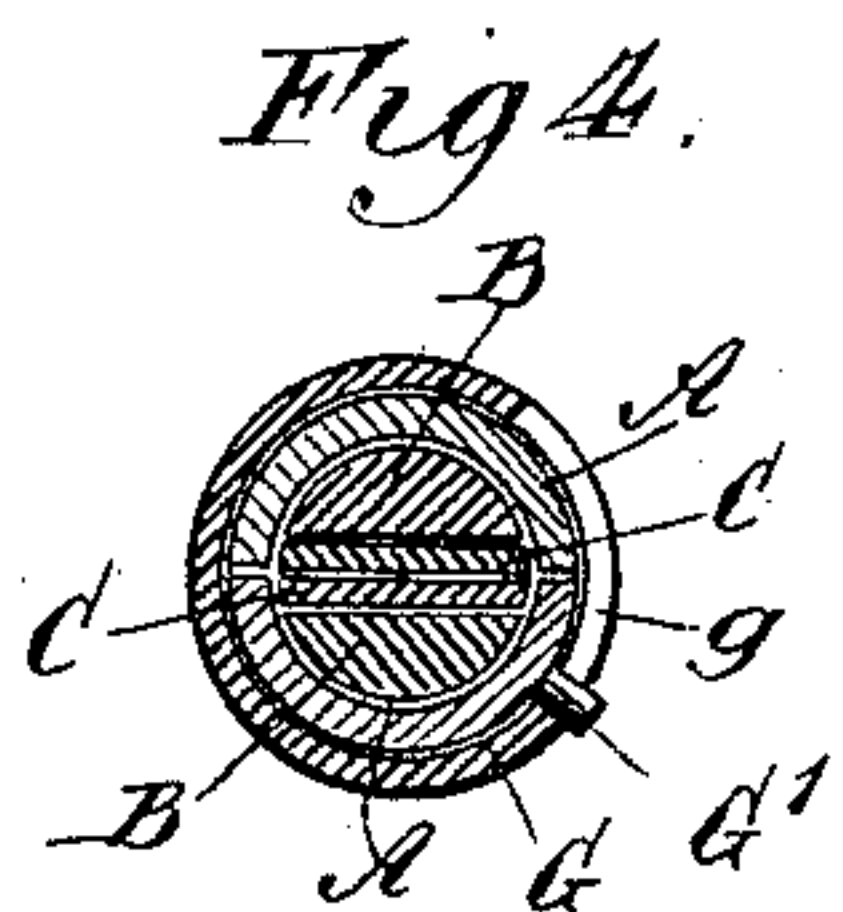
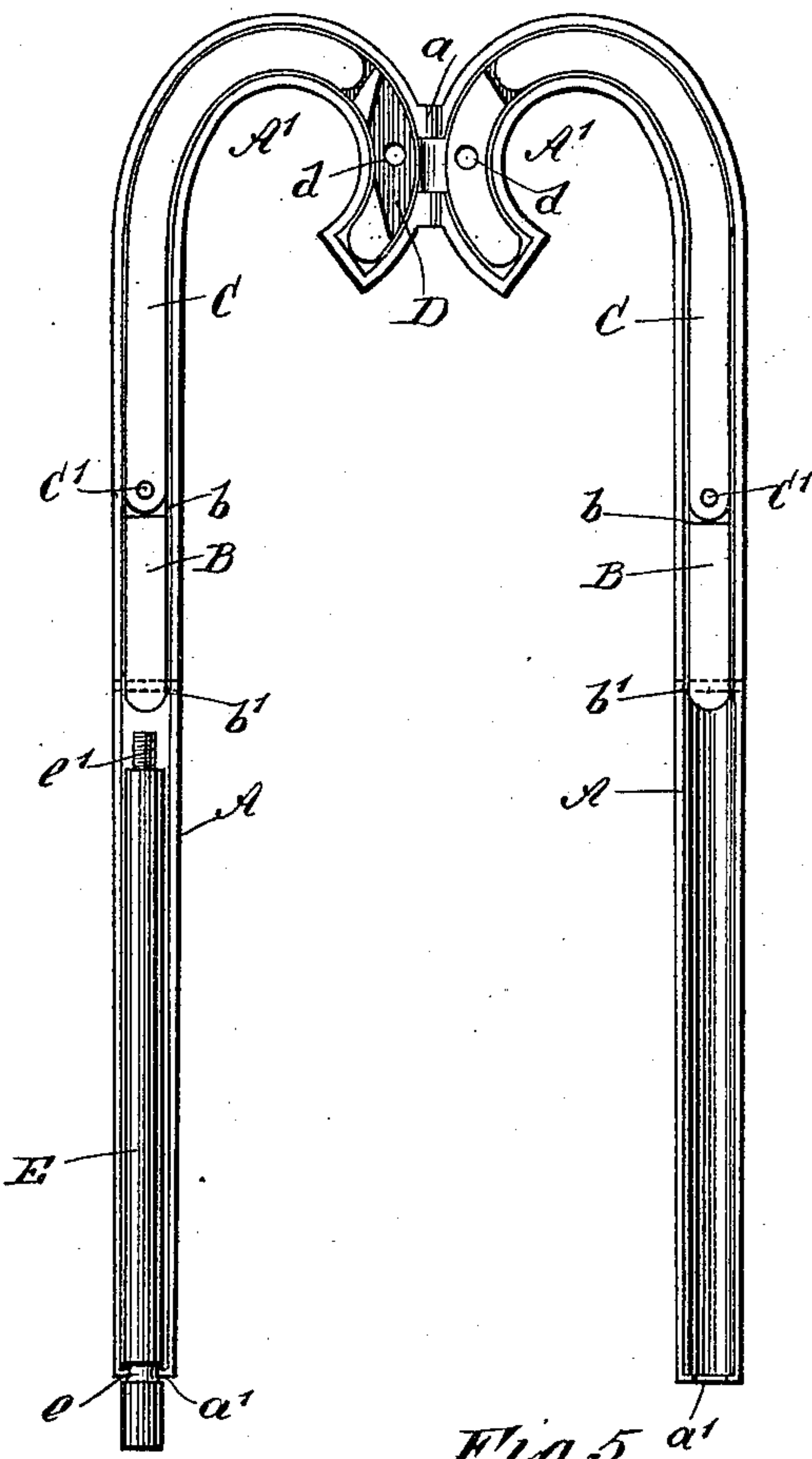
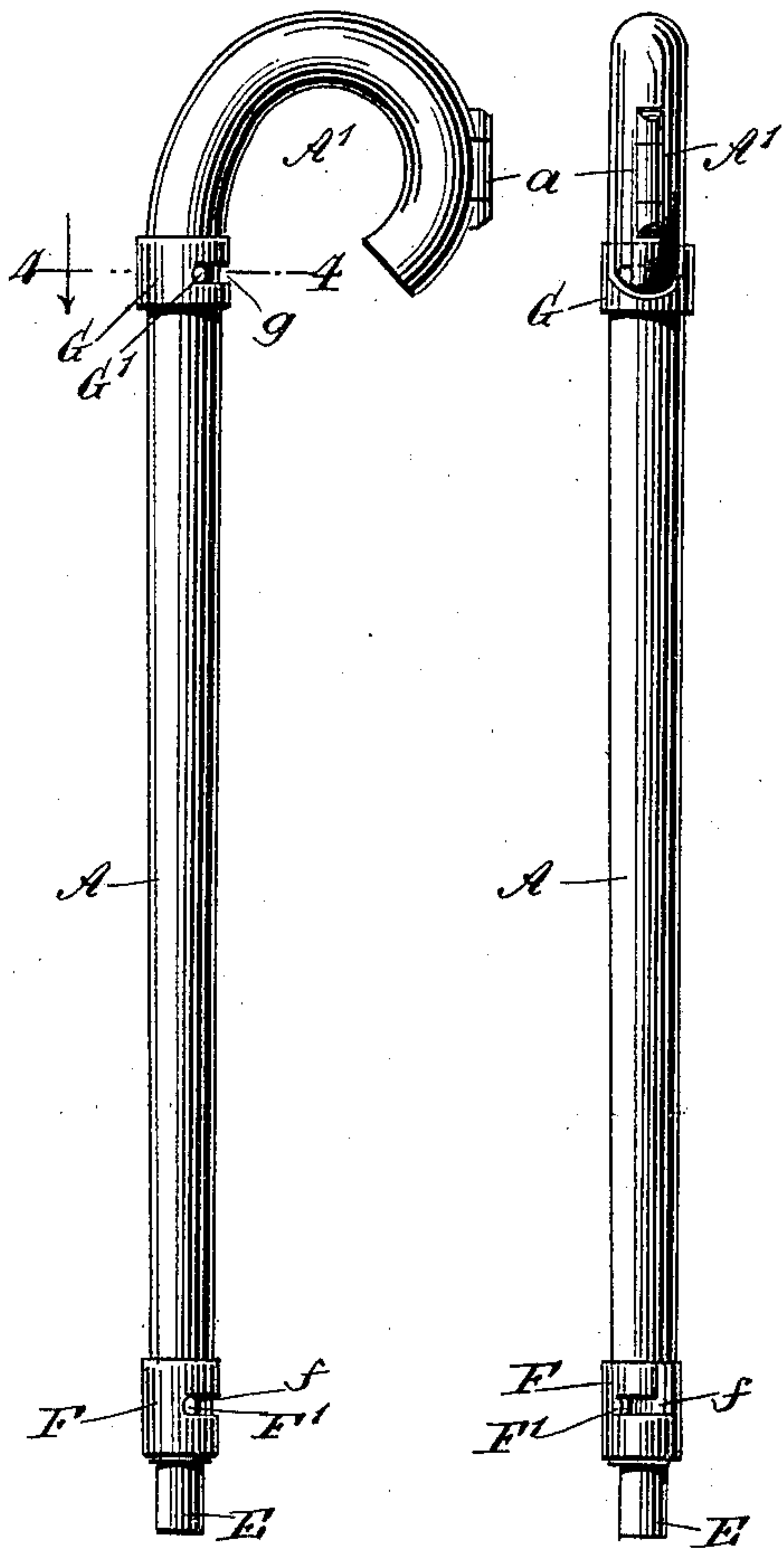
(Application filed Apr. 20, 1898.)

(No Model.)

Fig 1.

Fig 2.

Fig 3.



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COMBINED CANE AND FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 617,641, dated January 10, 1899.

Application filed April 20, 1898. Serial No. 678,208. (No model.)

To all whom it may concern:

Be it known that I, NIELS CHRISTIANSON, of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Combined Cane and Folding Chair, of which the following is a full, clear, and exact description.

My invention relates to a device so constructed that in one form it may be used as a cane and in another form it may be used as a chair.

My invention consists of the novel features of construction which will be hereinafter described, and pointed out in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figures 1 and 2 are respectively a side view and an edge view of my device in its closed position or when adapted to be used as a cane. Fig. 3 is a front view of the device partially open. Fig. 4 is a cross-section upon the line 4-4 of Fig. 1. Fig. 5 is a detail view showing one of the seat-bars, and Fig. 6 is a perspective view showing the device when opened out for use as a chair.

In constructing my device the main part thereof, which serves as the casing for the cane and the back of the chair, is formed of two semitubes A, which are curved at one end so as to form a cane-handle, as shown at A'. These two semitubes are hinged at the outer side of the crook A' by a hinge a, which is parallel with the body of the tubes. Both of these halves are of the same shape and size, so that when folded into one position they will form a round cane, and may be opened out to the position shown in Fig. 3. Within the upper or crooked end of each of these tubes is placed a seat-bar B, which is of a half-round shape, adapted to fit within the tube. Each of these bars is curved at its upper end to fit within the curve A' of the tube and extends to the end thereof. At its lower end each bar B is provided with a pivot b', pivoting it upon the tube.

Upon the flattened sides of the bars B a shoulder b is formed, and from this point to the end of the crook the bar is reduced in thickness, so as to accommodate a bar or plate

C, which is pivoted to the seat-bar B by a pivot C', passing through the two. This bar or plate C does not extend entirely to the end of the crook A'. The two seat-bars B will drop down to a horizontal position, as shown in Fig. 6, when the tubes A are opened out.

At the points in the curves B' of the seat-bars which come in contact they are provided with recesses D, adapted to receive the corresponding portion of the other bar. This in effect forms a halved joint, so that one bar may lie upon the other with the upper surfaces at a common level. Centrally located within this portion of the bars B are holes d, adapted to receive the supporting-post E. This post E, when the device is folded into a cane, lies within the lower part of the cane. Near its lower end the post E is provided with a peripheral groove e, which is engaged by flanges a' at the lower ends of the tubes A. At its upper end the post E has a threaded section e', adapted to pass through the hole d in one of the bars B and to screw into the hole d in the other bar, said hole being threaded to receive said threaded section e'.

The position of the chair when opened is shown in Fig. 6. The curves B' at the ends of the seat-bars B slightly overlap, and the post E is passed through the hole in one bar and screwed into the hole in the other. The plates C, when the chair is opened, have their curved or hooked ends interlocked, as shown in Fig. 6. The device may then be used as a chair and will be found quite strong. When folded up, the parts are held in position by means of two collars F and G. These collars are provided with bayonet-slots f and g, respectively. One of the tubes A is provided with two projecting pins F' and G', adapted to engage the slots in the collars F and G. The upper collar G is made large enough so that it will slip over the pin F', but will bind the two parts tightly when it reaches its proper location. When the cane is to be used as a chair, the collars F and G are removed.

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

1. A combined cane and folding chair, comprising two half-tubes curved at one end to form a crook or cane-handle and pivoted at

the outer part of said hook, a seat-bar curved to lie in the crook of each half-tube and extending down to about the middle of the tubes, the lower ends of said bars being pivoted to the tubes so as to swing outward, a post adapted to lie in the hollow of the tubes below said pivots, and means for securing said post to the outer ends of said seat-bars, substantially as described.

2. A combined cane and folding chair, comprising two half-tubes curved at one end to form a crook or cane-handle, and pivoted at the outer part of said crook, a seat-bar curved to lie in the crook of each half-tube and extending down to about the middle of the tubes, the lower ends of said bars being pivoted to the tubes so as to swing outward, and having a hole in the outer portion of their crooks, the hole in one bar being threaded, and a post adapted to lie in the hollow of the tubes below the bar-pivots, and having a threaded end adapted to pass through the hole in one bar, and screw into the hole in the other bar, substantially as described.

3. A combined cane and folding chair, comprising two half-tubes curved at one end to form a crook or cane-handle and pivoted at the outer part of said crook, a seat-bar curved to lie in the crook of each half-tube and extending down to about the middle of the length of the tubes, the lower ends of said bars being pivoted to the tubes so as to swing outward, the outer side portions of the crooks in said bars being halved or recessed to lie one upon the other, and having a hole through each bar within such overlapping portion, one of said holes being threaded, and a post adapted to lie in the hollow of the tubes below the seat-bar pivots, and having a threaded end adapted to pass through the hole in one bar and screw into the hole in the other bar, substantially as described.

4. A combined cane and folding chair, comprising two half-tubes curved at one end to form a crook or cane-handle, and pivoted at the outer part of said crook, seat-bars curved to lie in the crooks of each half-tube, and extending down to about the middle of the length of the tubes, said bars being pivoted at their lower ends to the tubes so as to swing outward, a post adapted to lie in the hollow of the tubes below said pivots, means for securing the post to the outer ends of said seat-bars, and collars adapted to surround the body of the cane when closed, substantially as described.

5. A combined cane and folding chair, com-

prising two half-tubes curved at one end to form a handle and pivoted at the upper part of said curve, a seat-bar curved to lie in the crook of each half-tube, and extending down to about the middle of the length of the tubes, the lower ends of said bars being pivoted to the tubes so as to swing outward and downward, a post adapted to lie in the hollow of the tubes below said pivots and having a peripheral groove near its lower end, the tubes also having an inwardly-projecting flange at their lower ends adapted to engage the groove in said post, and means for securing one end of said post to the outer ends of the seat-bars, substantially as described.

6. A combined cane and folding chair, comprising two half-tubes curved at one end to form a handle and pivoted at the outer part of said curve, a seat-bar curved to lie in the crook of each half-tube, and extending down to about the middle of the length of the tubes, the lower ends of said bars being pivoted to the tubes so as to swing outward and downward, a post adapted to lie in the hollow of the tubes below said pivots and having a peripheral groove near its lower end, the tubes also having an inwardly-projecting flange at their lower ends adapted to engage the groove in said post, means for securing one end of said post to the outer ends of the seat-bars, collars adapted to slip over the tubes when closed, said collars having bayonet-slots therein, and pins projecting from said tubes, one at their lower end and one near the crook, the upper one of said collars being adapted to slide over the lower pin, substantially as described.

7. A combined cane and folding chair, comprising two half-tubes curved at one end to form a handle, and pivoted to each other at the outer part of said curve, a seat-bar curved to lie in the crook of each half-tube, and extending down to about the middle of the length of the tubes, the lower ends of said bars being pivoted to the tube so as to swing outward and downward, thin plates or bars adapted to lie against the flat side of the seat-bars and extending partially about the curve, said plates having a pivot passing through their lower ends, a post adapted to lie in the hollow of the tubes below the seat-bars, and means for securing said post to the outer ends of the seat-bars, substantially as described.

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Witnesses:

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