

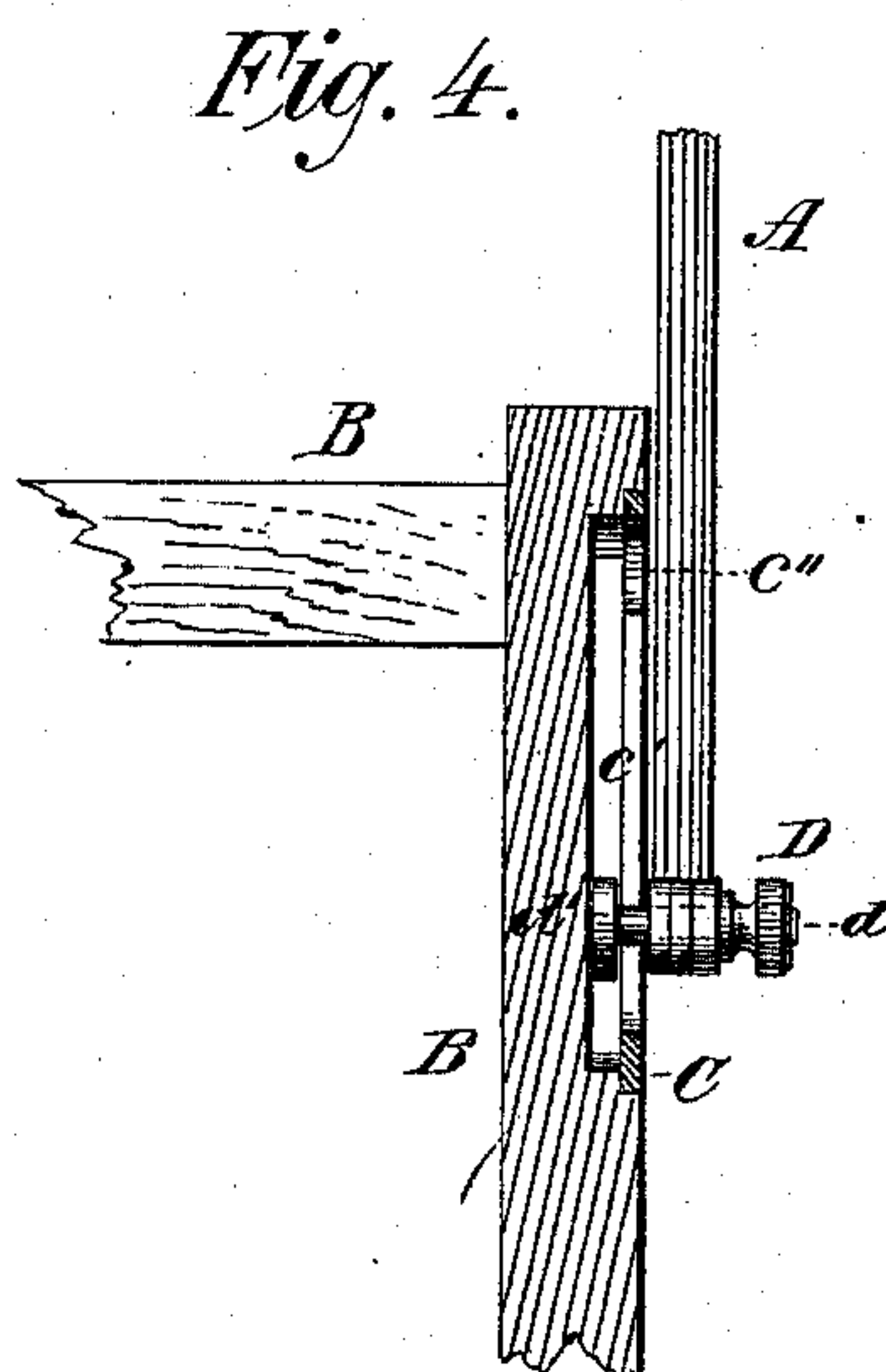
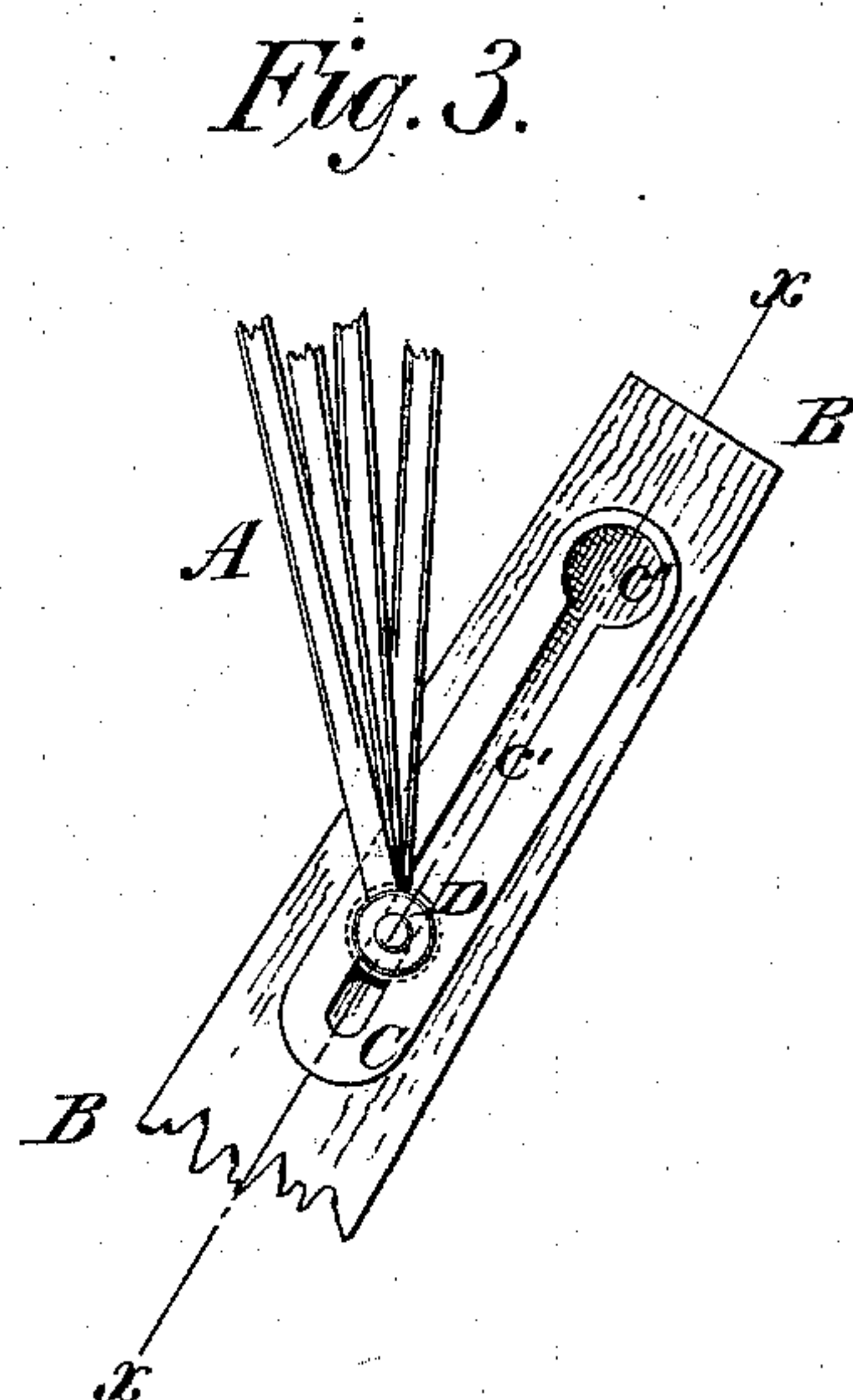
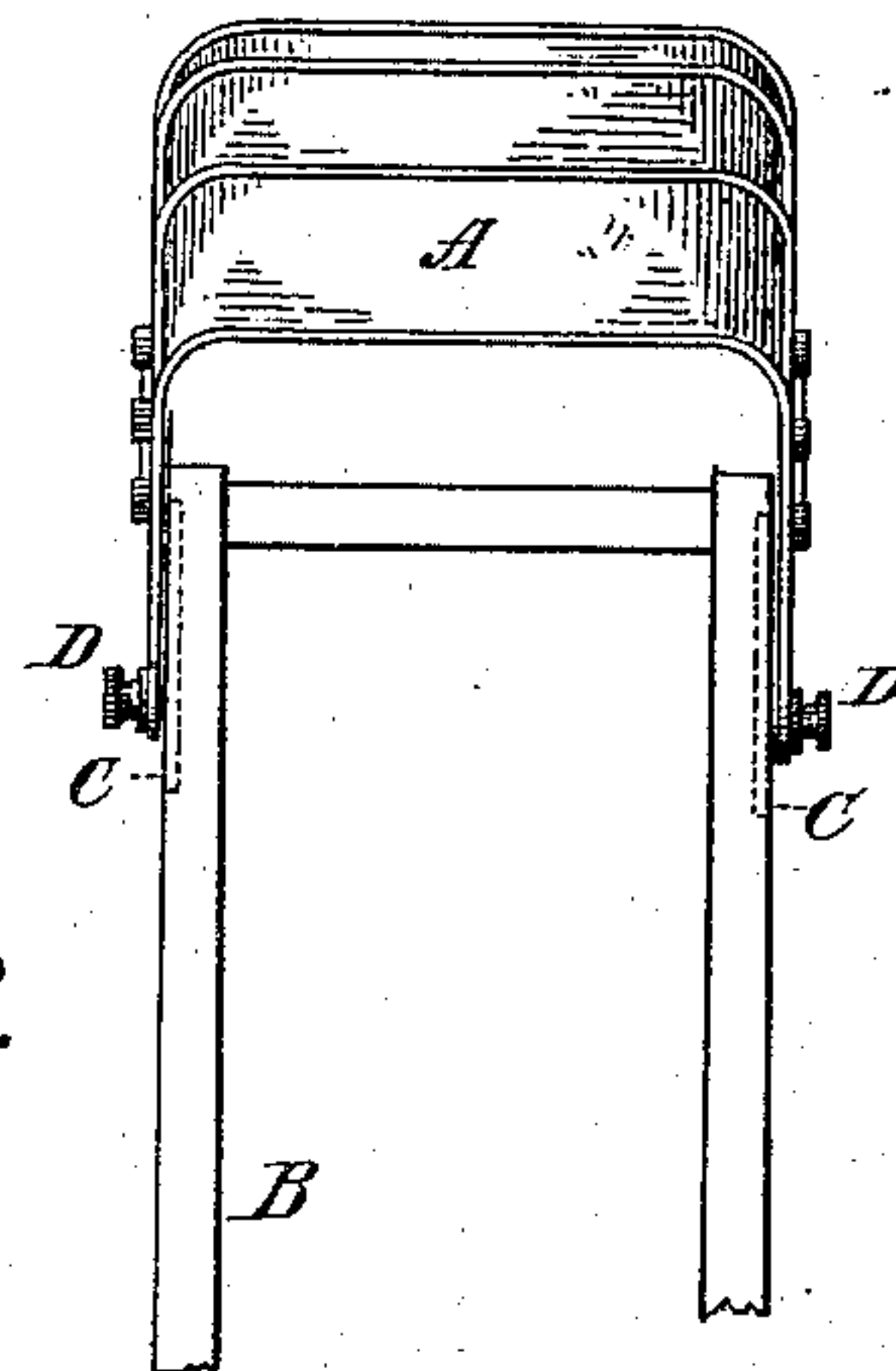
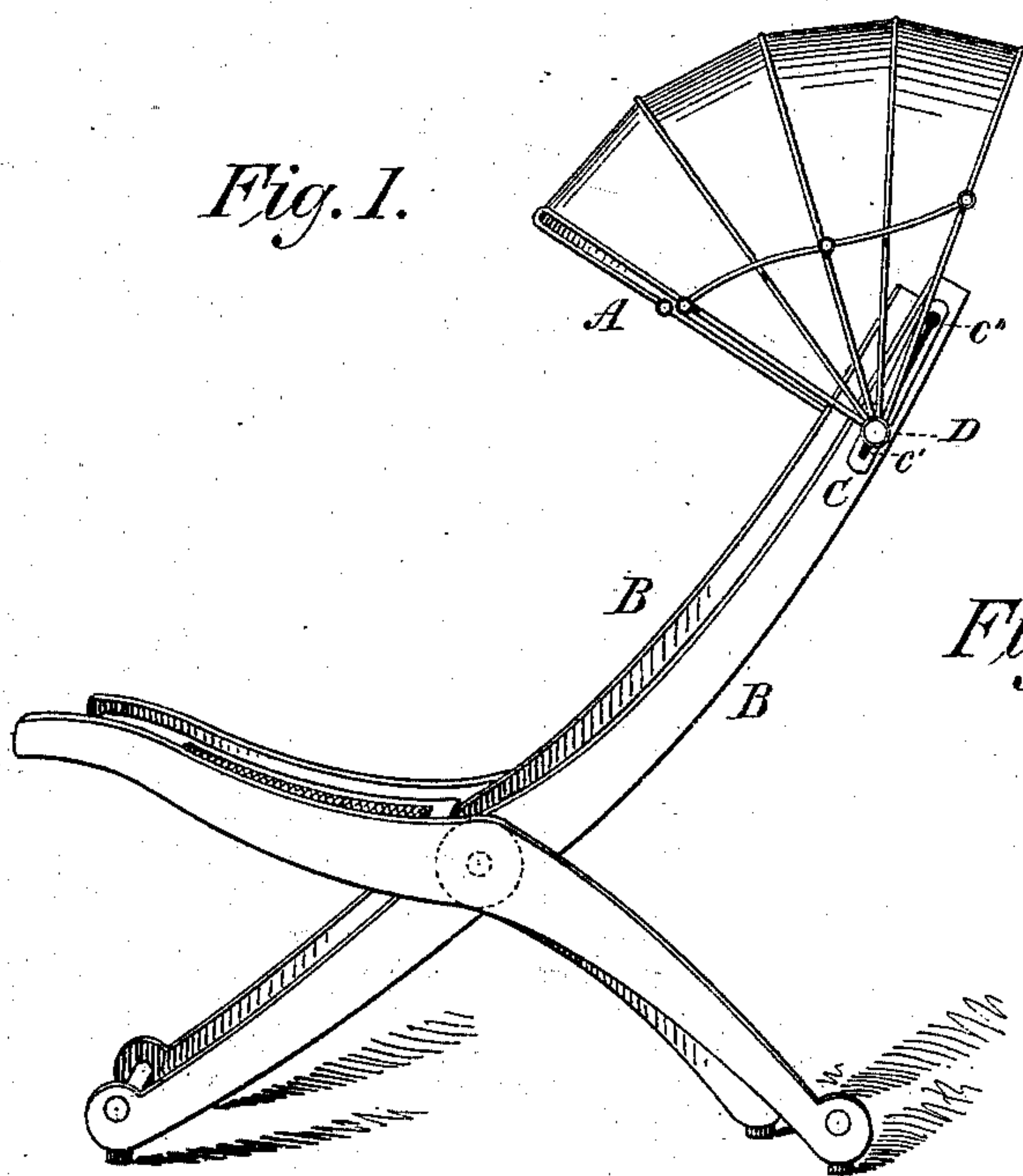
(No Model.)

F. G. JOHNSON & J. H. HAYWARD.

CANOPY FOR FOLDING STEAMER CHAIR.

No. 270,224.

Patented Jan. 9, 1883.



WITNESSES:  
*Gustave Dietrich*  
*A. O. Halsted*

INVENTORS.  
*Frank G. Johnson*  
*John H. Hayward*



# UNITED STATES PATENT OFFICE.

FRANK G. JOHNSON, OF BROOKLYN, AND JOHN H. HAYWARD, OF NORTH-FIELD, NEW YORK.

## CANOPY FOR FOLDING STEAMER-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 270,224, dated January 9, 1883.

Application filed October 13, 1881. (No model.)

*To all whom it may concern:*

Be it known that we, FRANK G. JOHNSON and JOHN H. HAYWARD, citizens of the United States, residing respectively in the city of Brooklyn, in the county of Kings and State of New York, and at Northfield, in the county of Richmond and State of New York, have invented new and useful Improvements in Canopies for Folding Steamer-Chairs, of which the following is a specification.

The object of our invention is to increase the comfort of travelers upon ocean, river, and other steamers, which we accomplish by providing for folding steamer-chairs a detachable, adjustable, and folding hood, so arranged as to shield the head, neck, and shoulders of the occupants of such chairs from sun, rain, and wind. The style of hood we employ is the calash, in order that it may be folded back out of the way when not required and to economize space when it is packed away.

The peculiarity of our invention relates to the manner of attaching the hood to and removing it from the chair, and the manner of rendering it (the hood) adjustable, so as to protect the occupant of the chair from the sun whatsoever may be the slant of its rays or the inclination of the back of the chair, and to suit it (the hood) to persons of different height, and to enable the occupant to be more or less shielded from observation while reading, musing, &c.

The following is a full, clear, and exact description of the construction and operation of our improvement, reference being had to the accompanying drawings, in which—

Figure 1 represents a side view of the hood as seen on the chair; Fig. 2, a front view; Fig. 3, a partial side view enlarged, and Fig. 4 a partial front view enlarged, through the line *x x* in Fig. 3.

Like letters refer to like parts.

A is an ordinary calash-hood, and B B are the side arms of the back of the chair.

C is a metallic plate, sunken into and fastened on the side of the arm B. Through the center of the plate C is cut a longitudinal slot, *c'*, the upper end of which has a circular enlargement, *c''*, Fig. 3, to admit the head *d'* of the clamp-bolt *d*, Fig. 4.

Underneath the slotted plate C the arm is cut away to make room for the head *d'* of the bolt *d*, Fig. 4. The shoulder of the head of this clamp-bolt holds against and slides upon

the inner face of the plate C. The clamp-bolt *d* passes through the ends of the bows of the hood and plate C, and by means of the binding-nut D, Fig. 4, the ends of the bows of the hood and plate C are sufficiently bound together to keep the hood in any desired position.

By easing the binding-nuts D D, the hood can be closed and thrown over the back of the chair, out of the way, when not required.

When the hood is spread, as seen in Fig. 1, it is evident that it can be moved on the bolt *d'*, as the center of motion, so as to come forward until it strikes the back of the chair in front, or backward until it strikes the back of the chair in the rear, thus being adjustable to shield the head of the occupant in all the different positions in which it may be placed by varying the inclination of the back B, and to afford protection from the sun from whatever direction its rays may come, be it from the horizon or zenith.

To adjust the hood vertically to suit persons of different heights it is only necessary to start back the binding-nuts D D and raise or lower the hood to any desired position, and then again tighten up the nuts.

To remove the hood from the chair it is only necessary to turn back the binding-nuts D D and raise it until the heads *d'* *d'* of the bolts *d d* can pass out of the enlarged openings *c''* of the slots *c' c'*.

Having thus described our invention, we do not claim broadly the method employed for attaching the hood to the chair, or the described means of rendering it adjustable horizontally or vertically, as we are aware that canopies and hoods of various kinds have been somewhat similarly applied to baby-carriages and other wagons; but

What we do claim as new, and desire to secure by Letters Patent, is—

In a folding chair consisting of an X-frame, as shown in Fig. 1 of the drawings, a calash top or hood, A, in combination with the attaching, detaching, and adjusting devices, consisting of the slotted plate C, having the enlarged opening *c''*, and the sliding clamp-bolts *d d'*, and binding-nuts D D, all arranged substantially in the manner and for the purposes set forth.

FRANK G. JOHNSON.

Witnesses: JNO. H. HAYWARD.

N. O. HALSTED,

JNO. J. MALMAR.