

(No Model.)

W. D. ROBINSON.

CLOTHES BAR.

No. 330,926.

Patented Nov. 24, 1885.

Fig. 1.

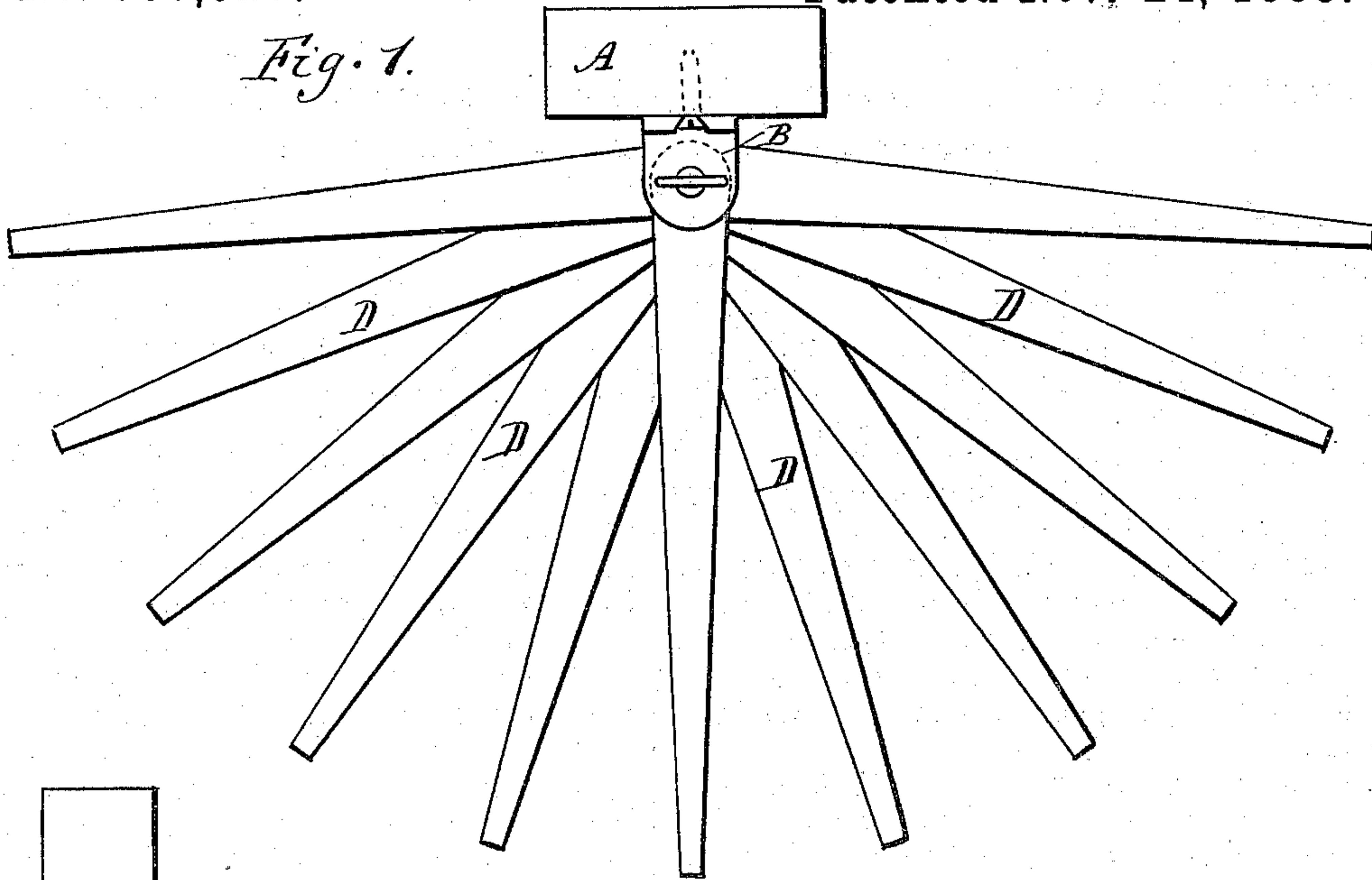


Fig. 2.

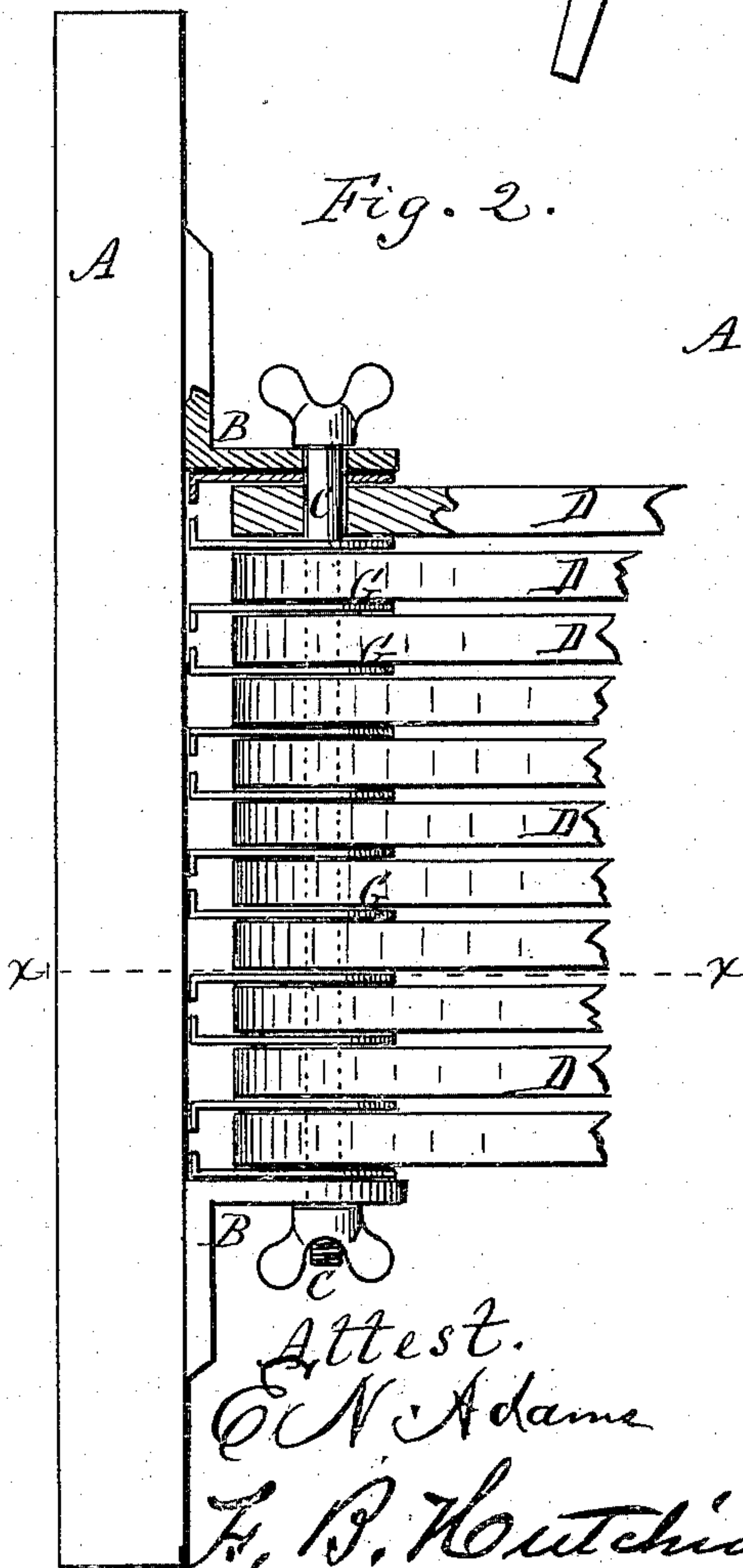


Fig. 3.

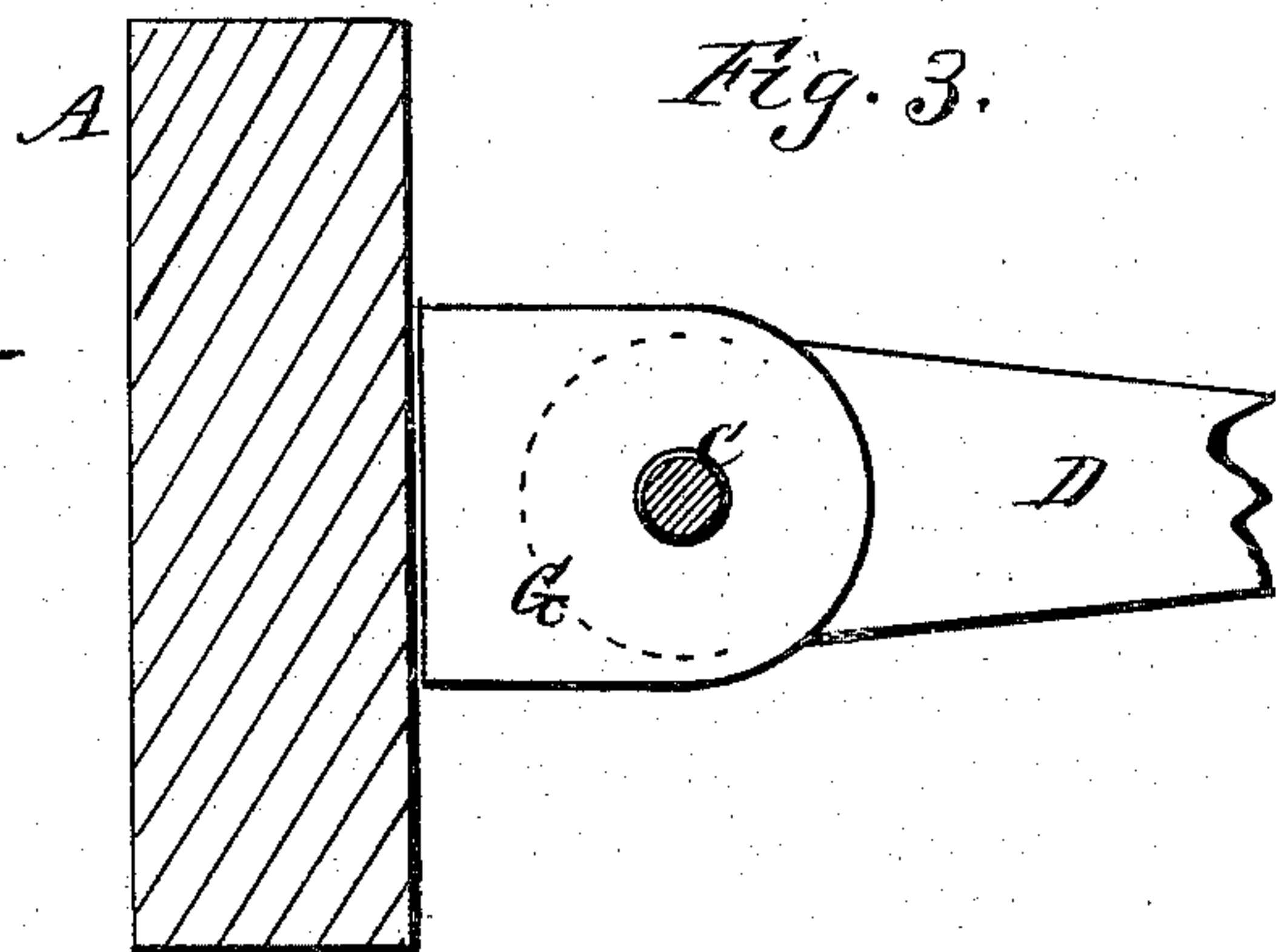
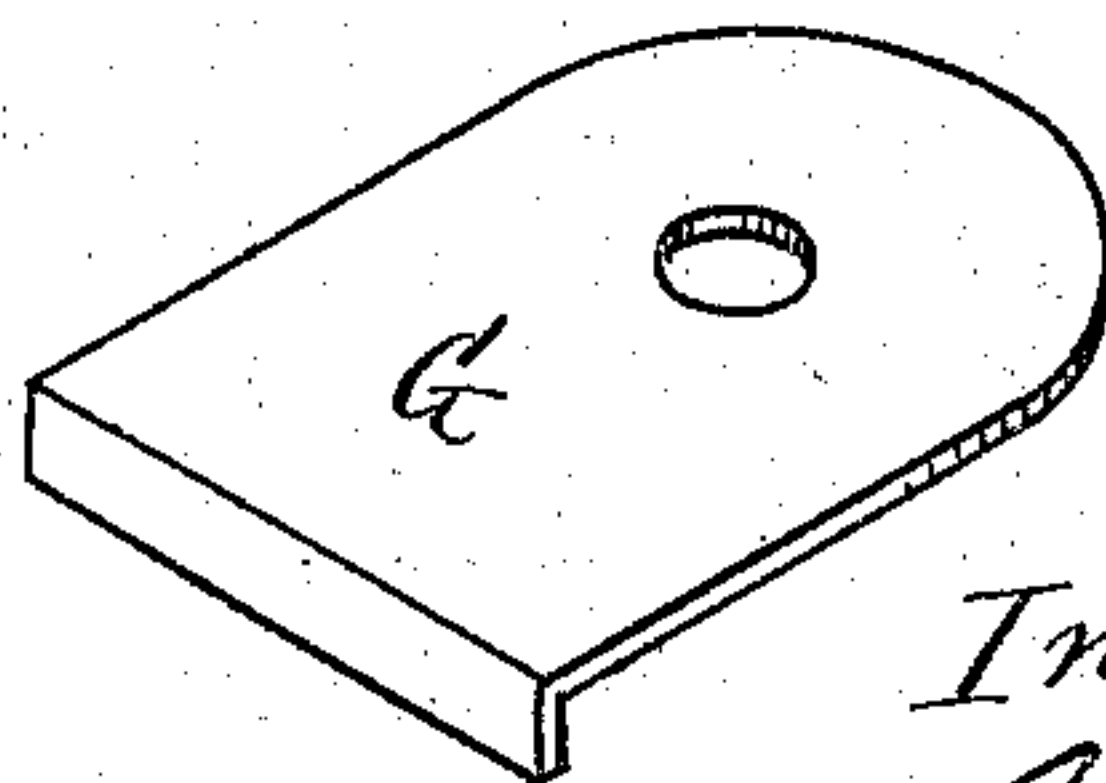


Fig. 4.



Attest.

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# UNITED STATES PATENT OFFICE.

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## CLOTHES-BAR.

SPECIFICATION forming part of Letters Patent No. 330,926, dated November 24, 1885.

Application filed January 5, 1885. Serial No. 152,004. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. ROBINSON, of Kanona, in the county of Steuben and State of New York, have invented a certain new and useful Improvement in Clothes-Bars; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of the clothes-bar with the arms extended. Fig. 2 is a side elevation of the same on an enlarged scale. Fig. 3 is a cross-sectional view in line *xx* of Fig. 2. Fig. 4 is a perspective view of one of the washers.

My improvement relates to that class of clothes-bars in which arms are used radiating from a common center, and capable of being turned to any position within a half-circle. In ordinary devices of this kind now in use difficulty occurs from the friction of one bar on another, by which, when one bar is set, it is liable to be thrown out of position when the next is moved, especially if the bars are loaded, so that it is difficult to arrange all the bars at regular and uniform distances apart and keep them so at all times. The interposition of loose washers between the bars does not fully remedy the difficulty, as the friction still occurs, and one bar will throw the next out of place; hence it is necessary to make the washers fixed, while the arms can move freely over or under them. The only difficulty has been to so arrange the washers that they can remain fixed, since they are all strung loosely on a bolt.

My invention consists of washers having a square base, in combination with a board to which the clothes-bar is attached, the square base extending back and resting against the board, and being thereby prevented from turning, so that while the washers form a separation of the bars, as usual, and can be put on and taken off with the same facility as ordinary washers, they are fixed when in place, and the bars can be moved in either direction without disturbing the other bars.

In the drawings, A shows the back board or block to which the clothes-bar is attached. B B are the two right-angled lugs or bearings to which the bars are attached. These lugs are slotted in their upper half, and are secured by screws to the back board.

C is a bolt that passes down vertically

through the lugs, and D D D are the ordinary bars or arms that rest and turn on the bolt and radiate therefrom. The bolt is provided with a thumb-head at one end and a thumb-nut at the other, by which it may be tightened at any time.

My improvement is as follows: G G are washers, which are inserted between the heads of the arms, and separating the same, so that they do not come in contact at any point in their length. The washers have holes through them, through which passes the bolt C, and they are extended back such a length as to reach the back board, A, and are squared at this end to rest firmly against the board, and by this means they are prevented from turning as the arms turn. The rear square edge may be turned down in flange form, as shown, to obtain greater strength and get a broader bearing against the back board. These washers may be made of sheet metal, cast metal, of any other suitable material. The advantage of this arrangement is that while the washers can be strung on the bolt the same as any ordinary washers, and serve as a separation to the arms, they are still stationary in position and cannot turn, owing to the square extension which is carried back and rests against the back board. Therefore each arm can turn without giving motion to the next, and the arms can all be loaded and arranged in position without difficulty. The great object is to so construct the washers that they can be applied and removed with facility and without changing the construction of the clothes-bars, at the same time serving the purpose above named.

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

In a clothes-drier, the combination, with the bars D D and bolt C, of the washers G G, resting between and separating the bars, said washers extending back and made square at the rear ends, and resting against the back board, as shown and described, and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

WM. D. ROBINSON.

Witnesses:

R. F. OSGOOD,  
P. A. COSTICH.