



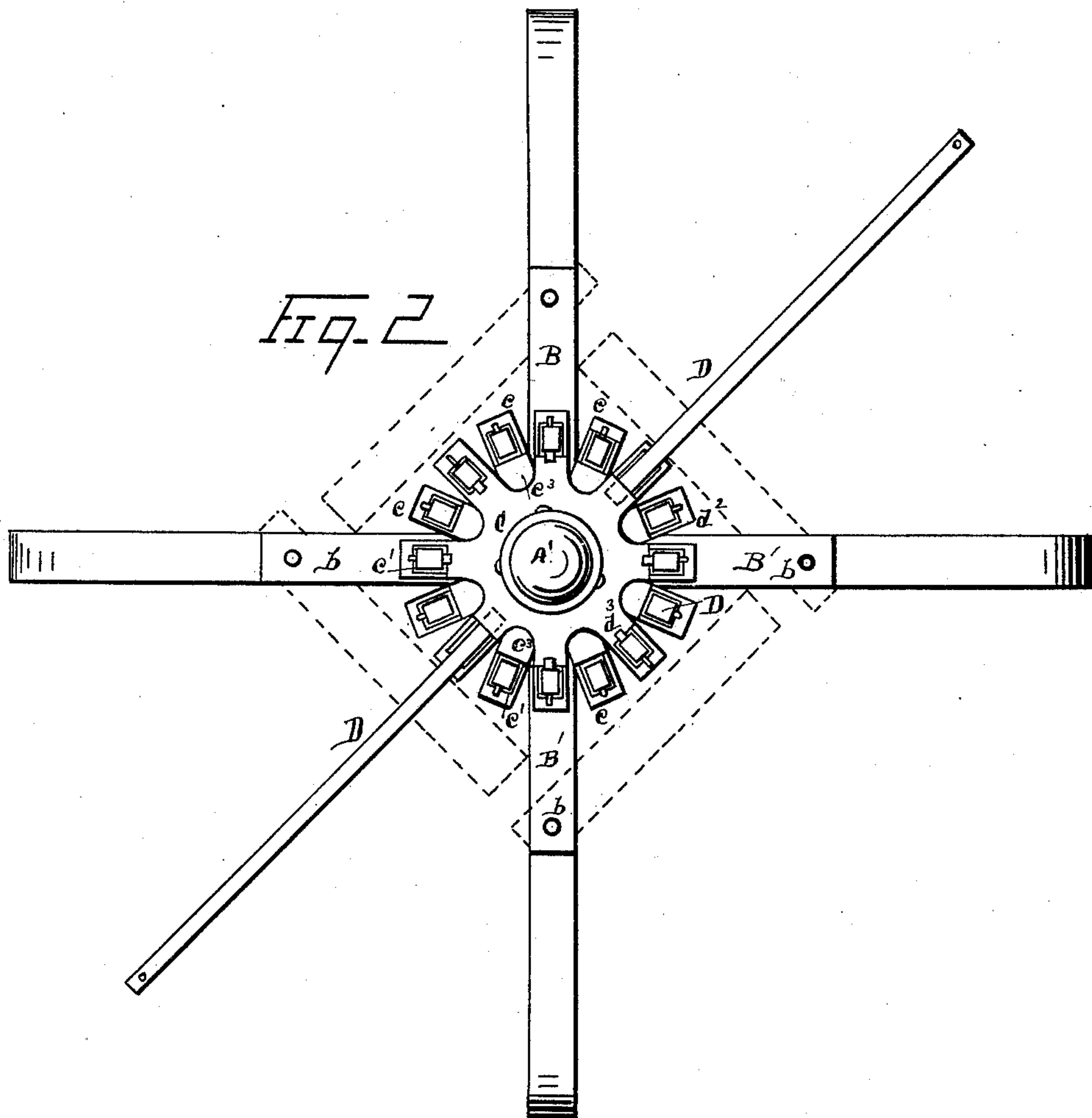
(No Model.)

2 Sheets—Sheet 2.

J. E. ARMSON.  
REVOLVING CLOTHES BAR.

No. 409,442.

Patented Aug. 20, 1889.



Witnesses:  
John Schuman.  
Charles F. Salow.

Inventor:  
John Edward Armson  
by Newell S. Wright  
Att'y



# UNITED STATES PATENT OFFICE.

JOHN EDWARD ARMSON, OF NORTHVILLE, MICHIGAN.

## REVOLVING CLOTHES-BAR.

SPECIFICATION forming part of Letters Patent No. 409,442, dated August 20, 1889.

Application filed March 28, 1889. Serial No. 305,140. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN EDWARD ARMSON, a citizen of the United States, residing at Northville, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Revolving Clothes-Bars; and I declare the following to be 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, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in revolving clothes-bars, having for its object the production of such an article which shall be simple and economical, capable of being very compactly closed together when not in use, and at the same time furnish a very large amount of extensibility.

I carry out my invention as more fully hereinafter described, and pointed out in the claims, and as more explicitly illustrated in the drawings submitted herewith, and in which—

Figure 1 is a vertical section. Fig. 2 is a plan view.

In the drawings, A A' represent a vertical standard made in two parts separated intermediate the upper and lower surfaces of the bottom casting or collar, as shown at a.

B is the supporting-base, which may be constructed in any ordinary manner; but I prefer to construct it with radiating legs B', jointed, as shown at b, in order that their outer extremities, when the device is not in use, may be folded, as indicated in dotted lines, so as to occupy but little space. When the bars are extended for use, the extremities of said legs are straightened out, as shown in full lines, to effectually support the bars in a firm manner.

Engaged upon the supporting-standard are shown collars C C' C<sup>2</sup>, three being illustrated thereupon in the drawings. My invention, however, contemplates any suitable number. These collars may be formed of metallic castings, hollow at the center to receive the vertical standard. Each collar is constructed with a series of ears c on its periphery, the said ears being made with suitable apertures, as at c',

to receive an arm D, and to allow the said arm to be drawn out into an extended position or to be folded alongside the standard A A', as shown. These arms may be made of timber, and are preferably straight.

To hold the arms in position in engagement with the collar, the collar may be provided toward the outer end of each ear with a shoulder or lug c<sup>2</sup>, the upper end of the ear adjacent to the standard being also formed with a shoulder c<sup>3</sup>, bridging the aperture, the shoulder consisting thus of the upper rim of the collar adjacent to the vertical standard. The inner end of the arm when extended has a bearing against the said rim or shoulder, the arm also resting on the lug or outer extremity of the ear beneath it. In this manner the arm when extended is strongly supported so as to uphold the weight of the clothes applied thereupon.

To facilitate the movement of the arms, their inner lower corners may be suitably cut away, as at d, to allow the free play of the arm in the operation of folding and extending the same.

To prevent any liability of pulling the arm out of the ear in extending the same, it is provided toward its inner end with a stud or pin d', to strike against the lug c<sup>2</sup>, so, also, to hold the arms in a vertical position when folded up. Each arm is provided with a stud or pin d<sup>2</sup> toward its outer end, which, striking on the top of the outer end or lug of the ear, supports the arm, as shown.

The collars C C' may be secured to the vertical standard in any desired manner. The lower collar C<sup>2</sup> is preferably made with a longer inner sleeve c<sup>4</sup>, to receive the vertical standards A A', the whole construction of said lower collar being also thicker vertically, as shown. Within the inner sleeve c<sup>4</sup> the adjacent ends of the separable parts of the standard meet. To the upper portion of said standard the collar is fixedly engaged, as by screws c<sup>5</sup>, or otherwise. With the lower portion of said standard, however, the collar has a rotatable engagement in any suitable manner. To this end, for instance, the lower portion of the standard is provided with an annular groove at a', the adjacent portion of the sleeve being also provided with a corre-



sponding annular groove, as at  $a^2$ . Into these adjacent grooves  $a'$   $a^2$  I run Babbitt metal to hold the collar upon the standard and yet allowing the base of the collar to rotate about the standard. This construction, it will be seen, forms at this point a revolving joint. I do not limit myself, however, to a jointed standard effected in this particular manner only, nor to a standard made rotatable at this particular point alone of the union of the lower collar therewith. The intermediate collar  $C'$  is set so that the ears are in a vertical plane between the ears of the collars above and below it, as this arrangement provides for greater compactness and a larger number of arms. The outer extremities of the upper set of arms I prefer to provide with pins  $d^3$  on their upper ends, which I find assist in retaining heavy clothes upon the arms. These pins, however, may be dispensed with if desired.

What I claim as my invention is—

1. In clothes-bars, the combination, with a standard made in parts  $A$   $A'$ , of a collar  $C^2$ , having a fixed engagement with one of said parts and a rotatable engagement with the other, substantially as set forth.

2. The combination, with a standard made in parts  $A$   $A'$ , having a revolving jointed en-

gagement the one with the other, of a series of collars located thereupon provided with a series of ears, and movable arms engaged with said ears, the construction being such that said arms may be folded vertically and extended horizontally, substantially as set forth.

3. In combination, a standard consisting of two sections  $A$   $A'$ , and a collar having a fixed engagement with one of said sections and embracing the other section, the said sections being locked against vertical displacement, substantially as set forth.

4. In combination, a standard consisting of two sections  $A$  and  $A'$ , one of said sections being provided with a circumferential groove, a collar fixed to the opposite section and embracing the section provided with the groove and having an interior groove registering with the said section, and a ring fitted in said grooves for locking the sections of the standard against vertical displacement, substantially as set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

JOHN EDWARD ARMSON.

Witnesses:

W. E. AMBLER,  
FRANK S. HARMON.