

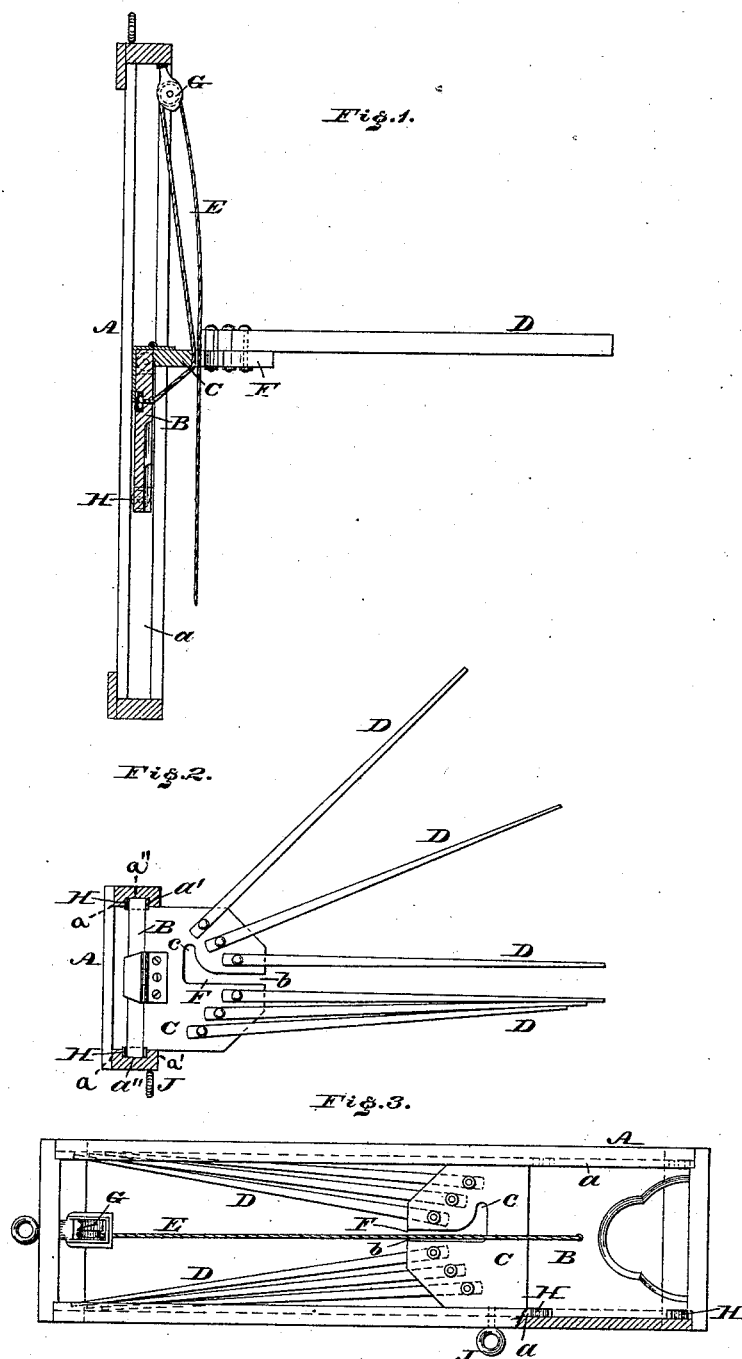
(No Model.)

J. J. BISEL.

CLOTHES AND TOWEL DRIER.

No. 303,695.

Patented Aug. 19, 1884.



WITNESSES:

A. T. Grant,  
W. F. Kircher

INVENTOR:

INVENTOR:  
Joseph F. Bisel,  
BY John A. Biershain.  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

JOSEPH J. BISEL, OF PHILADELPHIA, PENNSYLVANIA.

## CLOTHES AND TOWEL DRIER.

SPECIFICATION forming part of Letters Patent No. 303,695, dated August 19, 1884.

Application filed November 16, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH J. BISEL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Clothes and Towel Driers or Racks, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a partial side elevation and partial vertical section of a clothes and towel drier embodying my invention. Fig. 2 is a top or plan view thereof partly in horizontal section. Fig. 3 is a view showing the rack folded.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a clothes and towel drier or rack possessing novel features, as will be hereinafter fully set forth.

Referring to the drawings, A represents an upright frame of the rack, the same having flanged side pieces, *a a'*, forming ways *a''*, within which is fitted the slide B, to whose upper end is pivoted a shelf, C, which, when the drier or rack is in service, occupies a horizontal position and abuts against the slide B, so as to be properly braced thereagainst, said shelf being fitted between the flanges *a'*, whereby it may be folded against the slide and thus folded within the frame A.

To the shelf C is pivoted a series of arms, D, the pivots thereof being vertical, so as to permit the arms to be spread, as in Fig. 2, in which position a number of clothes, towels, &c., may be readily hung on said arms.

Connected with the slide B is a cord, E, for readily raising said slide and controlling it as it descends, and in the shelf C is a slot, F, of angular form, or somewhat L shape, one limb, *b*, of said slot being open at the outer end of the shelf, so as to receive said cord E, the other limb, *c*, being also adapted to receive said cord when moved laterally from the inner end of the limb *b*. The inner limb, *c*, of said slot guides and retains the cord E, and the outer limb, *b*, of said slot allows the withdrawal of said cord.

To the upper end of the frame A is attached a pulley, G, which is of a locking order, so

that when the cord E is passed around one part of the spiral groove of said pulley it locks with the frame of the pulley, and thus holds the slide in the position to which it is raised. It will be seen that when the cord is in the limb *b* of the slot F the slide may be readily raised to the top of the frame A, thus accordingly elevating the arms D with the clothes, &c. The cord is then moved into the limb *c* and "let go" slightly, whereby the cord is run on the locking part of the pulley G and clamped against the frame A, the slide, with the clothes, &c., on the arms, remaining in its elevated position. In order to lower the clothes the cord is moved into the limb *c* of the slot and manipulated, whereby it runs on the free part of the pulley and the slide is permitted to lower, as is evident.

On the sides of the slide are mounted pulleys or rollers H, which run on the frame A and serve to ease the motions of the slide, it being evident that outward strain is imparted to said slide, owing to the weight of clothes, &c., superimposed on the arms. When the slide is at the bottom of the frame, the shelf and arms may be swung from their right-angular position and folded into the frame parallel therewith. A screw, J, passed through the side of the frame, is tightened against the shelf, thus preventing movement of the same in any direction and unfolding of the parts, and the arms may be spread, so that their outer ends are fitted between the flanges of the frame A and prevented from being broken or caught, the drier or rack now being in condition for packing, transportation, stowage, &c.

The cord E forms an angle in passing from slot *c* to the point of attachment to slide B. When the free end of said cord is drawn upon, the part of the cord in contact with the shelf necessarily assists in supporting the weight thereof and lessens the strain on the hinge of said shelf.

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

1. A frame provided with vertical guideways, in combination with a self-locking pulley arranged at the top of said frame, a slide which moves up and down in said guideway,

a shelf hinged to said slide and provided with an angular slot, *b c*, clothes-supporting arm attached to said shelf, and a cord, *E*, which passes over said pulley and down through said slot to said slide, where it is attached, substantially as set forth.

2. A slide, *B*, provided with anti-friction rollers, and an arm-supporting shelf, *C*, hinged to said slide, in combination with a frame, *A*,

provided with vertical guideways, a self-locking pulley, *G*, at the top of said frame, and a cord, *E*, which passes over said pulley and is attached to said slide, substantially as set forth.

J. J. BISEL.

Witnesses:

JOHN A. WIEDERSHEIM,  
A. P. GRANT.