

No. 695,535.

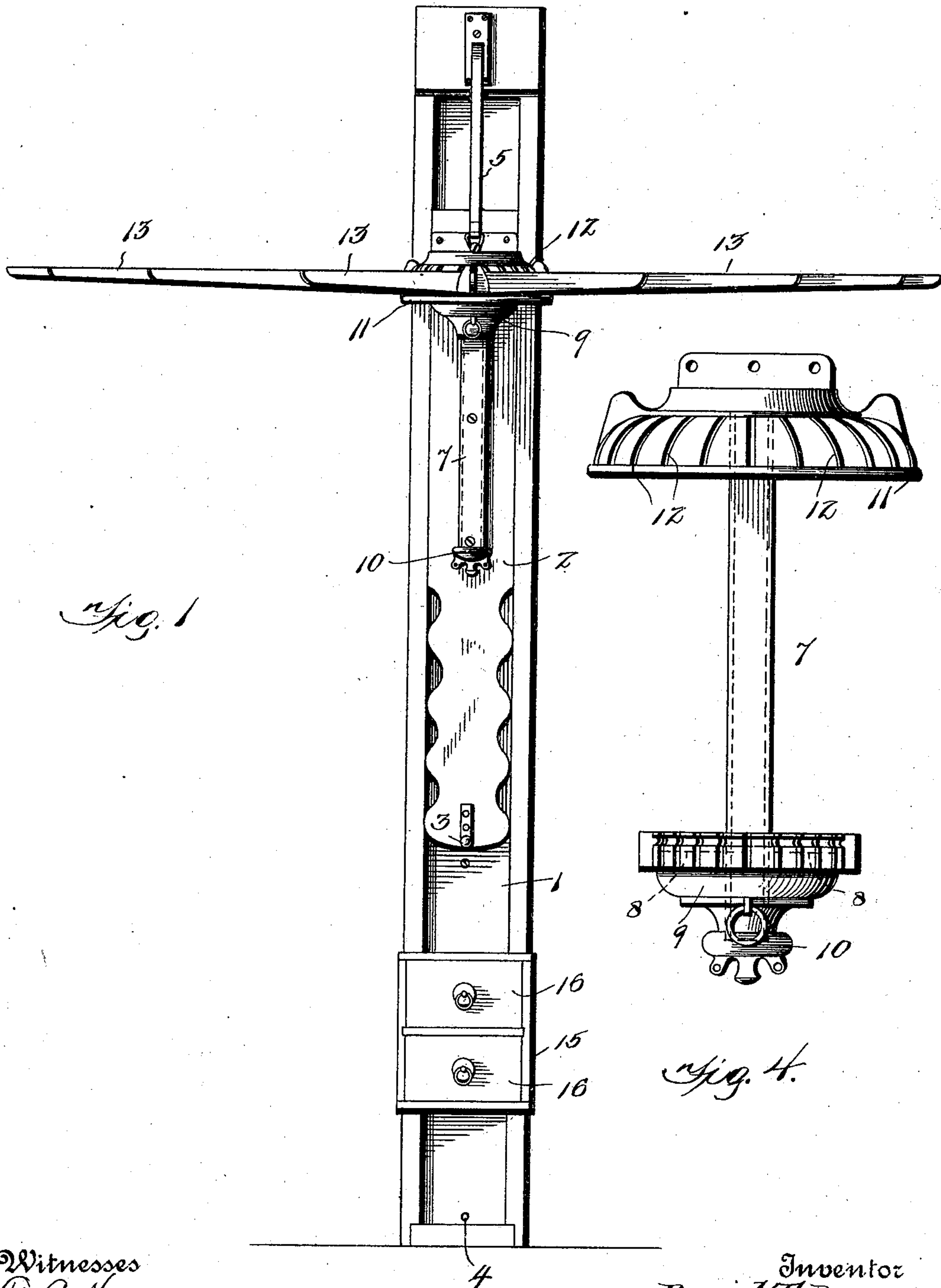
Patented Mar. 18, 1902.

D. T. BROWN.
CLOTHES DRIER.

(Application filed Dec. 5, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
J. L. Moerlan
J. H. Hulson

Inventor
Daniel T. Brown,
A. B. Williams & Co.
Attorneys

No. 695,535.

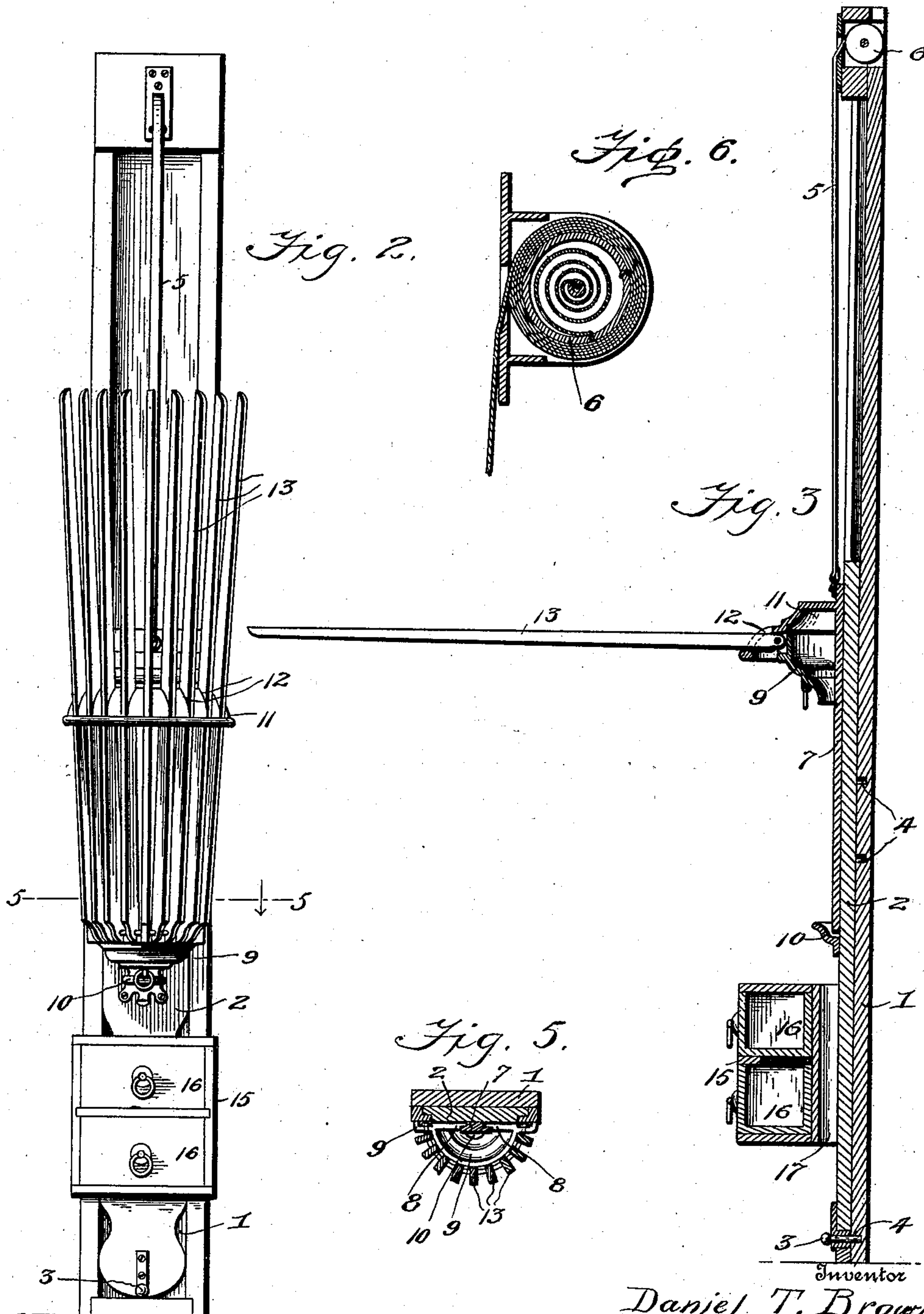
Patented Mar. 18, 1902.

D. T. BROWN.
CLOTHES DRIER.

(Application filed Dec. 5, 1901.)

(No Model.)

2 Sheets—Sheet 2.



Witnesses

J. H. ...
J. H. ...

By

A. B. ...

Attorneys

UNITED STATES PATENT OFFICE.

DANIEL T. BROWN, OF PAWTUCKET, RHODE ISLAND.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 695,535, dated March 18, 1902.

Application filed December 5, 1901. Serial No. 84,762. (No model.)

To all whom it may concern:

Be it known that I, DANIEL T. BROWN, a citizen of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Clothes-Driers; and I do 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.

The invention relates to improvements in adjustable clothes-driers; and the object is to improve the construction and increase the practical efficiency of driers of this class.

To this end the invention consists in certain novel features of construction and combination and arrangement of parts, as will be hereinafter more fully described, defined in the appended claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation showing the base and arms adjusted and extended for use. Fig. 2 is a similar view showing the base and arms folded. Fig. 3 is a vertical longitudinal section of the device, showing the arms as preliminarily adjusted to receive the clothes. Fig. 4 is a detail view of the slide, slotted brace, and guide; and Fig. 5 is a horizontal section on the line 5 5 of Fig. 2. Fig. 6 is a detail view showing the spring-barrel.

Like reference characters designate corresponding parts throughout the several views.

In the drawings the numeral 1 represents a grooved back or frame adapted to be suitably secured to a wall or other support and having slidably mounted therein a base 2, provided at its lower end with a bolt 3 to engage sockets 4 in the back to hold the base locked in adjusted position. The upper end of the base has attached thereto a metallic tape 5, which is adapted to wind upon a spring-barrel 6, journaled in the upper end of the back 1. This tape and barrel form a spring-balance for the base and connections to enable the operator to easily raise the same when the clothes are applied thereto for drying. The spring-barrel is of sufficient strength to draw the base and rack upwardly when unweighted and to approximately counterbalance the same when weighted.

The base has fixed thereto a metallic guide-

strip 7, provided upon opposite sides with guide-grooves to receive tongues 8 on a semi-hemispherical slide 9, and having at its lower end a stop 10 to limit the downward movement of the slide and at its upper end a semi-hemispherical brace 11. This brace is formed with a series of slots 12 for passage of a corresponding number of rack-arms 13, pivoted at their inner ends to the slide 9, which has a ring or finger-piece for convenience in sliding it downward.

A box or cabinet 15, having one or more drawers 16, may be secured to the back adjacent to the lower end of the latter, if its use is desired, and is set out from the back, so as to form between them an opening 17 to permit of the passage of the bolt 3.

The operation is as follows: When the rack is not in use, the movable parts are down and folded in the position shown in Fig. 2. When it is desired to use the rack, the slide 9 is pushed upward to the position shown in Fig. 3 to elevate the arms 13 until said arms are adjusted to the limit of their upward movement and drop to the horizontal position shown in Figs. 1 and 3, in which position they rest upon and are supported by the bottom walls of the slots, which serve as fulcrums on which said arms swing to and from the horizontal. During this adjustment of the slide and arms the base 2 remains in its lowered position and is locked by the bolt 3. After the arms have been adjusted to the horizontal position shown in Fig. 3, as described, the clothes are hung thereon, and then the bolt 3 is retracted and the base 2 is pushed up partially or to the limit to elevate the arms and clothes suspended therefrom to the desired height. As stated, the spring-barrel is of sufficient strength to draw the base upwardly when unweighted and to approximately counterbalance the same when weighted. Hence it will be understood that but a slight expenditure of power is required to slide the base upward even when the arms are heavily loaded with clothes or articles to be aired or dried. When it is desired to remove the clothes, the base 2, with the slide and rack-arms, is drawn downward to the limit of the downward movement and locked, the clothes are removed from the arms, and if it is not de-

sired to use the rack for some time the slide is pulled down to fold the arms, and the parts will then have assumed the normal out-of-use position shown in Fig. 2, so as to stand close 5 to the back or frame 1 and occupy a minimum amount of space. The resistance of the spring-barrel to the downward movement of the base 2 in this adjustment of the parts adapts said parts to descend easily and gradually with ab- 10 solute freedom from violence or jarring, rendering the device safe and sure and capable of being readily manipulated by a delicate woman or child.

From the foregoing description, taken in 15 connection with the accompanying drawings, it is thought that the construction, mode of operation, and advantages of the invention will be readily understood without requiring an extended explanation.

20 Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the prin-

ciple or sacrificing any of the advantages of the invention.

I claim—

25 In an adjustable rack, the combination of a back, a base adjustably mounted therein, a guide-strip secured to the base and having at its lower end a stop and at its upper end a semihemispherical slotted brace, a slide en- 30 gaging the guide, arms pivoted to the slide and extending through the slots in the brace, means for counterbalancing the weight of the base and parts applied thereto, and means for locking said base in adjusted position, sub- 35 stantially in the manner specified.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DANIEL T. BROWN.

Witnesses:

HARRY L. WALDRON,
CHAS. H. LAWTON.