

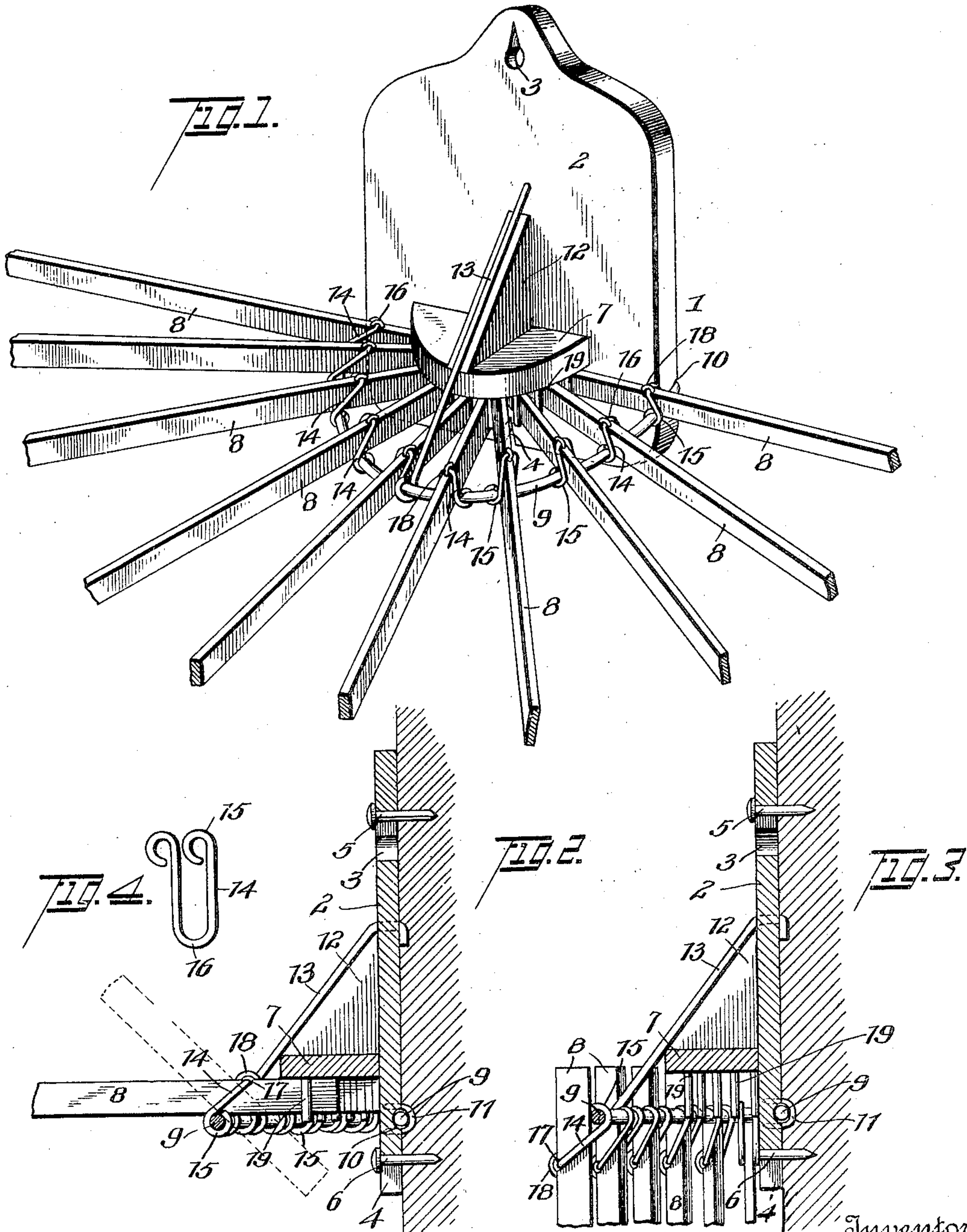
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J. A. BLACK & G. M. BREWER.

CLOTHES DRIER.

APPLICATION FILED MAR. 27, 1905.



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UNITED STATES PATENT OFFICE.

JOHNSON A. BLACK AND GIPP M. BREWER, OF SYLVIA, KANSAS.

CLOTHES-DRIER.

No. 822,341.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed March 27, 1905. Serial No. 252,415.

To all whom it may concern:

Be it known that we, JOHNSON A. BLACK and GIPP M. BREWER, citizens of the United States, residing at Sylvia, in the county of Reno and State of Kansas, have invented a new and useful Clothes-Drier, of which the following is a specification.

The invention relates to improvements in clothes-driers.

The object of the present invention is to improve the construction of clothes-driers and to provide a simple, inexpensive, and efficient one adapted to be quickly arranged for use and capable of compactly folding when not in use.

A further object of the invention is to provide a construction adapted to support the clothes-receiving arm firmly in a horizontal position and capable of effectually preventing the same from accidentally dropping when clothes are arranged on them.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a clothes-drier constructed in accordance with this invention, the clothes-receiving arms being arranged horizontally. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a similar view, the clothes-receiving arms being folded. Fig. 4 is a detail view of one of the links for connecting the arms with the curved pintle-rod.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a bracket having a back 2, adapted to be placed against a wall or other supporting-surface and provided near its upper portion with a slot 3, and having a notch 4 at its lower edge. The upper slot, which is substantially the shape of a key-hole, is adapted to receive a nail 5 or similar fastening device, and it is composed of a lower enlarged portion and an upper tapered portion adapted to grip the nail or other fas-

tening device. The lower notch 4 is also tapered or V-shaped and is adapted to engage a nail 6 or the like.

The bracket is provided at its front with a horizontally-projecting substantially segmental plate or member 7, which forms a stop or abutment for the inner ends of a plurality of clothes-receiving drier-arms 8. The drier-arms 8 are hingedly connected with a curved pintle-rod 9, located in a plane below the projecting plate or member and arranged in advance of the same and connected with the back of the bracket at opposite sides thereof. The pintle, which consists of a curved rod, has its ends arranged in notches 10 of the side edges of the back and bent inward on the rear face of the same and secured to the said back by means of staples 11 or other suitable fastening device. The horizontally-projecting plate or member 7 is secured at its rear edge to the back of the bracket, and its upper face is fastened to a brace 12, consisting of a substantially triangular block, as clearly illustrated in Fig. 1 of the drawings. The curved pintle-rod is supported by an inclined bracing-rod 13, arranged at an inclination and fitting against the inclined edge of the triangular brace 12. The lower end of the rod 13 is provided with an eye to receive the pintle-rod, and the upper end of the bracing-rod is secured to the back of the bracket.

The drier-arms are connected at an intermediate point with the pintle-rod 9 by substantially U-shaped links 14, and when in a horizontal position the said arms are supported by the pintle-rod. The links straddle the drier-arms and are provided at the terminals of their sides with eyes 15, which are arranged on the pintle-rod, whereby the links are hingedly mounted and are adapted to swing on the said rod 9. The transverse portions 16 of the links are arranged in notches 17 of the upper or outer edges of the drier-arms and are secured to the same by staples 18, which straddle the links and span the notches. The links, which are of a length in excess of the width of the drier-arms, are arranged at an inclination and extend inwardly and upwardly when the arms are in a horizontal position and in engagement with the horizontally-projecting plate or member 7, whereby in order to disengage the arms the latter must be swung upward. When the arm is swung upward, as indicated in dot-

ted lines in Fig. 2 of the drawings, it is adapted to be drawn outward and then may be swung downward to the position shown in Fig. 3. A straight outward pull on the arms
5 when the same are in engagement with the bracket will not disengage them, and there is no liability of the drier-arms being accidentally drawn outward and disengaged from the bracket when they are in use.

10 The horizontally-projecting plate or member 7 of the bracket is provided with a plurality of depending pins or projections 19, arranged in a curved series and forming spaces for the reception of the inner ends of the
15 drier-arms, whereby the said inner ends are properly spaced and are held against lateral movement.

It will be seen that the clothes-drier is exceedingly simple and inexpensive in construction, that it possesses great strength
20 and durability, and that it is adapted to be quickly arranged for use and may be compactly folded when not in use. Also it will be clear that it is impossible to disengage the
25 drier-arms from the bracket by a straight outward pull, that in order to swing them downward to their folded position they must first be swung upward and then drawn outward, and that when the drier-arms are sub-
30 jected to the weight of the clothes or other fabrics being dried there will be no liability of them accidentally dropping and permitting the clothes to fall to the floor or ground.

Having thus fully described our invention,
35 what we claim as new, and desire to secure by Letters Patent, is—

1. A device of the class described, comprising a bracket provided with a horizontal pintle, a foldable arm supported between its
40 ends by the pintle and having its inner end engaged with the bracket, and a link hinged to the pintle and to the arm and inclined upwardly and rearwardly when the said arm is

in a horizontal position, whereby the arm is locked against direct outward movement. 45

2. A device of the class described, comprising a support having a projecting portion, a horizontal pintle located in advance of the projecting portion, a swinging link
50 mounted on the pintle, and an arm pivotally connected at an intermediate point with the link and arranged to rest upon the pintle and having its inner end engaged with the projecting portion of the support and held against upward movement by the same. 55

3. A device of the class described, comprising a bracket provided with a pintle, a foldable arm supported between its ends by the pintle and having its inner end engaged with the bracket, and a link connected with
60 the arm and with the pintle and forming a lock for holding the arm against direct outward movement.

4. A device of the class described, comprising a bracket having a horizontally-disposed projecting portion provided with depending projections spaced apart, a pintle-rod secured at its ends to the bracket at opposite sides thereof and located below and in advance of the projecting portion, a plurality
70 of arms supported at an intermediate point from the pintle-rod and having their inner ends detachably fitted in the spaces between the depending projections, and substantially U-shaped links straddling the drier-arms and
75 hinged to the same and to the pintle-rod and arranged to lock the arms against direct outward movement.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses. 80

JOHNSON A. BLACK.
GIPP M. BREWER.

Witnesses:

J. MARKLE,
O. W. SPRADLING.