

S. SKELLY.
CLOTHES DRIER.
APPLICATION FILED OCT. 17, 1921.

1,421,851.

Patented July 4, 1922.

Fig. 1.

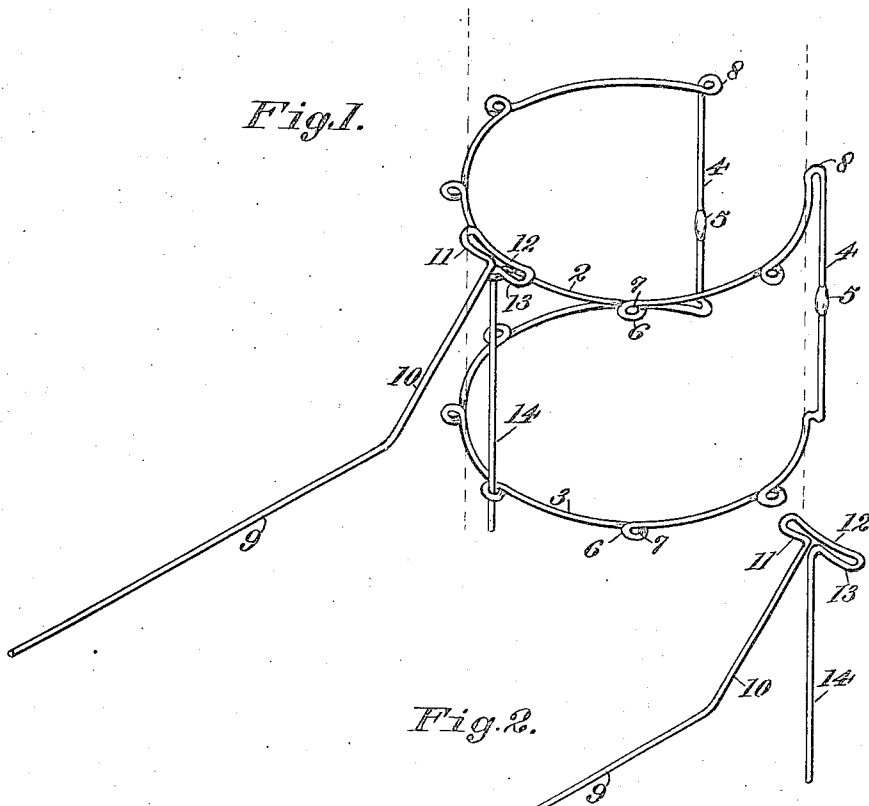


Fig. 2.

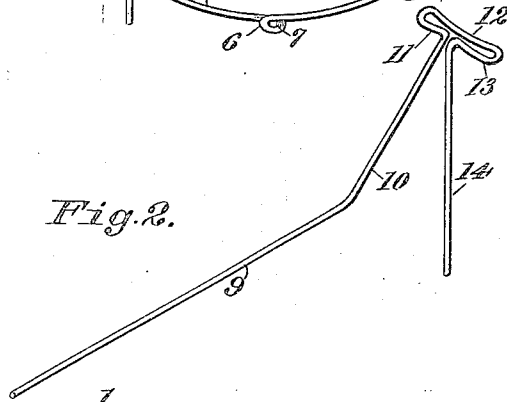
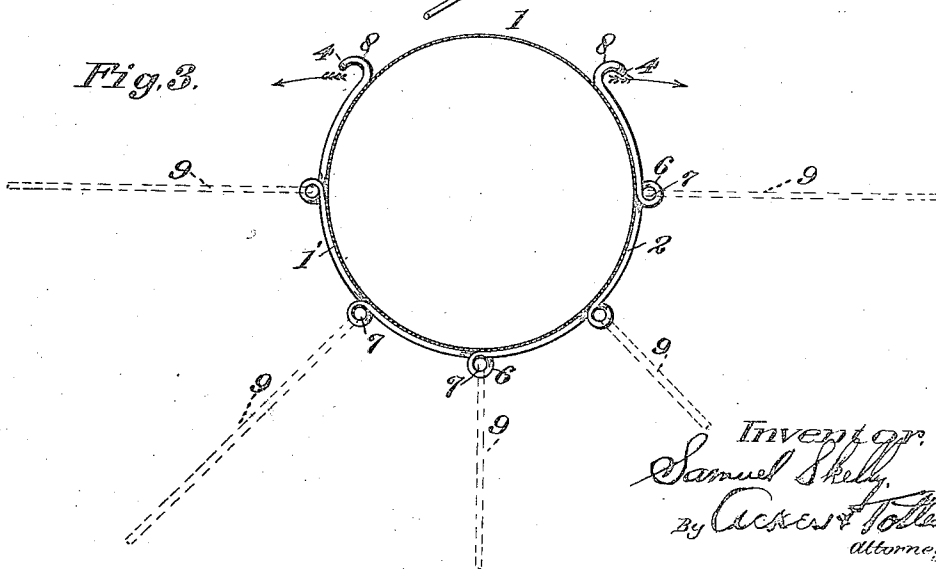


Fig. 3.



Inventor
Samuel Skelly
By *Charles J. Foster*
Attorneys

UNITED STATES PATENT OFFICE.

SAMUEL SKELLY, OF ALAMEDA, CALIFORNIA.

CLOTHES DRIER.

1,421,851.

Specification of Letters Patent.

Patented July 4, 1922.

Application filed October 17, 1921. Serial No. 508,323.

To all whom it may concern:

Be it known that I, SAMUEL SKELLY, a citizen of the United States, residing at Alameda, in the county of Alameda and State of California, have invented certain new and useful Improvements in Clothes Driers, of which the following is a specification.

This invention relates to new and useful improvements in clothes driers, designed for attachment to stove pipes, boilers or like cylindrical supports, and which has for one of its principal objects the provision of means whereby clothes may be suspended about a stove pipe, boiler or the like, so that they will readily dry from the heat rising from the stove and radiating from the pipe, or the heat radiating from the boiler.

A further object is to provide a structure formed preferably from spring wire in such manner that the same is provided with spring loops or eyes for imparting resiliency to the support over the normal resiliency of the wire, and at the same time providing means for attaching clothes supporting arms to the frame.

A further object is to provide a frame formed at its terminal ends with hand grip portions which facilitate the attaching of the device to a pipe or boiler, or the removal of the same therefrom.

Another object is to provide a clothes supporting arm constructed in such manner that the clothes are held at a distance from the boiler or stove pipe, thereby preventing the scorching or burning thereof; and to provide a construction wherein the supporting frames are adapted to be nested for transportation thereby occupying little space and enabling a number thereof to be transported within a small container.

With the above mentioned and other objects in view, the invention consists in the novel construction and combination of parts hereinafter described, illustrated in the accompanying drawings, and set forth 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.

To more fully comprehend the invention,

reference is directed to the accompanying drawings, wherein:—

Figure 1 is a view in perspective of one embodiment of my invention illustrating one of the clothes supporting arms associated therewith.

Figure 2 is a view in perspective of one of the clothes supporting arms removed from the frame.

Figure 3 is a transverse section through a stove pipe or boiler illustrating my invention applied thereto.

In the drawings, wherein like characters of reference designate corresponding parts, the numeral 1 indicates a tubular cylindrical support such as a boiler or stove pipe from which heat is adapted to radiate and about the same is adapted to be positioned my improved clothes drier consisting of a supporting frame 1' preferably constructed of parallel upper and lower strands of spring wire 2 and 3, the ends thereof being bent at right angles to the body in parallel relation affording connecting portions 4 spot welded together as at 5. This construction provides an oblong, open substantially rectangular frame, which is bent or curved into substantially circular formation with the ends 4 in substantial meeting relation. The upper and lower strands 2 and 3 at uniformly spaced intervals throughout their length are provided with outward bends or loops, which are arranged in pairs one above the other, and said loops have open centers affording supporting eyes 7, corresponding eyes of the loops of the respective upper and lower strands being in vertical alignment as in the drawing.

These eyes or loops impart to the frame a resiliency over the normal resiliency of the wire, and tend to force the frame to contract and tightly engage the support about which it is positioned. At the ends of the upper and lower strands 2 and 3 the connecting portions 4 are united thereto by outward curves or bends 8, which position the connecting portions 4 in a plane removed from that of the upper and lower strands 2 and 3, thereby affording hand grip portions enabling the ready attachment of the support to its mounting 1, or its removal therefrom.

The clothes are adapted for positioning on a clothes supporting arm 9 preferably

constructed of wire and consisting of a horizontal portion, the inner end of which is upwardly bent or inclined as at 10, and at its extreme free end, is laterally bent as at 11, preferably at right angles to the portion 10, and the material forming said bend 11 is in turn bent rearwardly upon itself as at 12, and is then bent toward the bend 11 as at 13 forming a horizontal supporting loop downwardly from which extends a vertical attaching portion 14 of a length adapted to pass through aligned eyes 7 in the upper and lower strands 2 and 3. The portion 11 insures the spacing of the clothes held by the portion 9 at a distance from the pipe or boiler, which precludes the scorching or burning thereof, and the inner surface of the backwardly bent portion 12 of the loop is arcuately curved to correspond to the curvature of the boiler or pipe, insuring the full contact of said surface with the boiler or pipe 1, retaining the arm 9 radially disposed from the member 1 as in the drawings.

It will be apparent that the vertical attaching portion 14 of the arm 9 may be readily lifted from the eyes 7, and the arm detached from the frame for positioning at any suitable point about the frame and received in the eyes of any given pair. While but one clothes supporting arm is illustrated, it will be apparent that any number may be employed, and that any number of horizontal outward bends or loops may be formed in the upper and lower strands 2 and 3.

It will be observed that a frame constructed as illustrated and described is free from projections or connecting portions except at its terminal ends, and therefore is adapted for nesting during shipping or transportation.

It will also be apparent that this present construction is formed solely of wire, and that the wire in the formation thereof is bent or curved in such manner as to provide a frame of great resiliency, and of simple construction which will tightly grip or engage a substantially cylindrical support, such as a boiler or stove pipe.

It will be understood that the invention is designed for use as a support for general purposes, and that suitable arms other than clothes supporting arms may be employed.

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

1. A clothes drier comprising a supporting frame constructed of upper and lower substantially parallel strands of spring wire united at their ends by integral extensions disposed at right angles therefrom and connected at their meeting ends to provide an oblong substantially rectangular frame, said frame being bent into a substantially circular band with the frame ends lying adjacent

to each other for frictionally engaging a substantially circular support, said upper and lower frame strands being outwardly bent or looped at corresponding intervals to provide a plurality of vertically disposed pairs of spring eyes, and a clothes supporting arm comprising a horizontal portion and a vertical portion connected by a loop forming a supporting head; said vertical portion adapted for reception within one of said pairs of eyes with the supporting head resting on the upper strand.

2. A clothes drier comprising a supporting frame constructed of upper and lower substantially parallel strands of wire united at their ends by integral extensions disposed at right angles therefrom and connected at their meeting ends to provide an oblong substantially rectangular frame, said frame being bent into a substantially circular band with the frame ends lying adjacent to each other for engaging a substantially circular support, said upper and lower frame strands being outwardly bent at corresponding intervals to provide a plurality of bends within the length of each strand, and a clothes supporting arm detachably secured to the frame through said bends and extending radially therefrom.

3. A clothes drier comprising a supporting frame constructed of upper and lower substantially parallel strands of spring wire united at their ends by integral extensions disposed at right angles therefrom and connected at their meeting ends to provide an oblong substantially rectangular frame, said frame being bent into a substantially circular band with the frame ends lying adjacent to each other for frictionally engaging a substantially circular support, said upper and lower frame strands being outwardly bent or looped at corresponding intervals to provide a plurality of spring eyes within the length of each strand, and a clothes supporting arm detachably secured to the frame to extend radially therefrom, said arm comprising a horizontal and a vertical portion, the vertical portion being adapted for reception within corresponding pairs of spring eyes of said strands.

4. A clothes drier comprising a supporting frame constructed of upper and lower substantially parallel spaced strands of spring wire united at their ends by portions bent at substantially right angles to the main strands forming a substantially rectangular frame, said frame being bent into substantially circular formation with the frame ends lying adjacent to each other for frictionally engaging a substantially circular support, said upper and lower frame strands being bent or looped outwardly at intervals providing a plurality of horizontally disposed open spring eyes for imparting resiliency to the frame over the normal resiliency of the

wire, the ends of said frame being fashioned to provide finger grips offset from the plane of said strands to facilitate the attaching of the frame to and its removal from a support and a plurality of clothes supporting arms, each provided with a horizontal and a vertical portion, said vertical portions adapted for reception within the said eyes.

5 5. A clothes drier comprising a support
10 formed of a pair of spaced members of yieldable material united at their ends forming a frame and curved into substantially circular formation with their united ends
15 lying adjacent to each other for frictionally engaging a substantially circular member, said support provided throughout its length with a plurality of vertical pairs of supporting bends formed by bending the material of the support outwardly, a plurality
20 of clothes supporting arms each formed with a horizontal supporting portion and a vertical attaching portion, and adapted for reception within said pairs of bends, said horizontal portion being connected with
25 said vertical portion by an inclined portion disposing the horizontal portion at approximately right angles to the vertical portion substantially midway of its length.

30 6. A clothes drier comprising a support formed of a pair of spaced members of yieldable spring material united at their ends forming a frame and curved into substantially circular formation with their
35 united ends lying adjacent to each other for frictionally engaging a substantially circular member, said support provided throughout its length with a plurality of vertical pairs of supporting eyes formed by bending the material of the support outwardly, a
40 plurality of clothes supporting arms detachably secured to said support and extending radially therefrom, said arms each

provided with an attaching portion adapted for reception within a vertical pair of supporting eyes.

45 7. A clothes drier comprising a support formed of a pair of spaced members of yieldable spring material united at their ends forming a frame and curved into substantially circular formation with their
50 united ends lying adjacent to each other for frictionally engaging a substantially circular member, the ends of said support being outwardly curved or bent affording finger grips offset from the plane of the body
55 of spring material to facilitate the attaching of the frame to and its removal from a support, said support throughout its length being provided with a plurality of spring eyes opening transversely of the support
60 and formed by bending integral portions of the support outwardly, and a clothes supporting arm detachably secured to the frame through said pairs of eyes and extending
65 radially therefrom.

8. A clothes drier comprising a support formed of a pair of spaced members of yieldable spring material united at their ends forming a frame of considerable width and curved into substantially circular formation with their united ends lying adjacent to each other for frictionally engaging a substantially circular member, said support provided throughout its length with a plurality of supports formed by bending
75 the material of the support outwardly, said supports imparting a resiliency to the support over the normal resiliency of the support, said supports adapted for receiving an attaching portion of a supporting arm
80 or member.

In testimony whereof I have signed my name to this specification.

SAMUEL SKELLY.