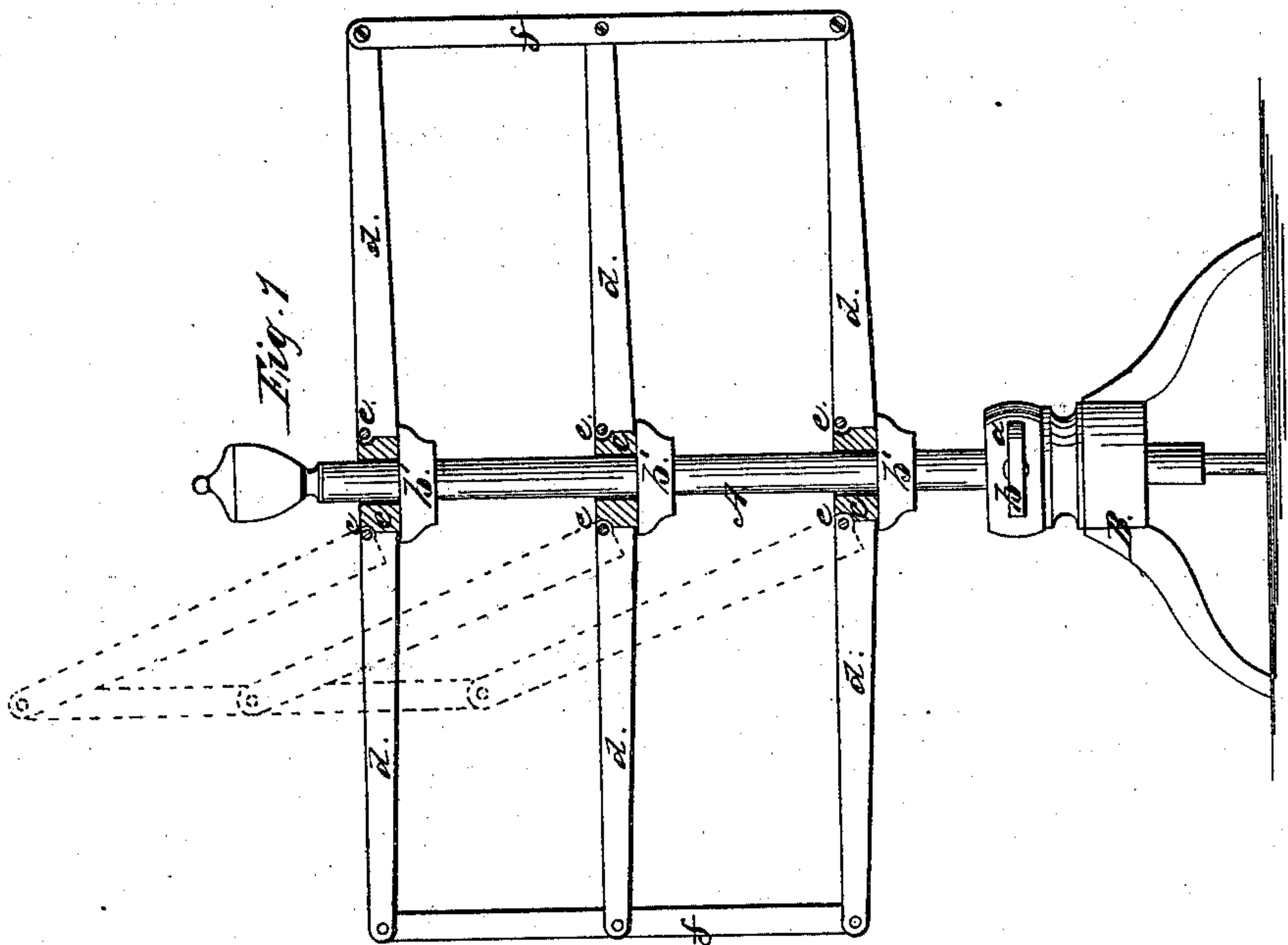
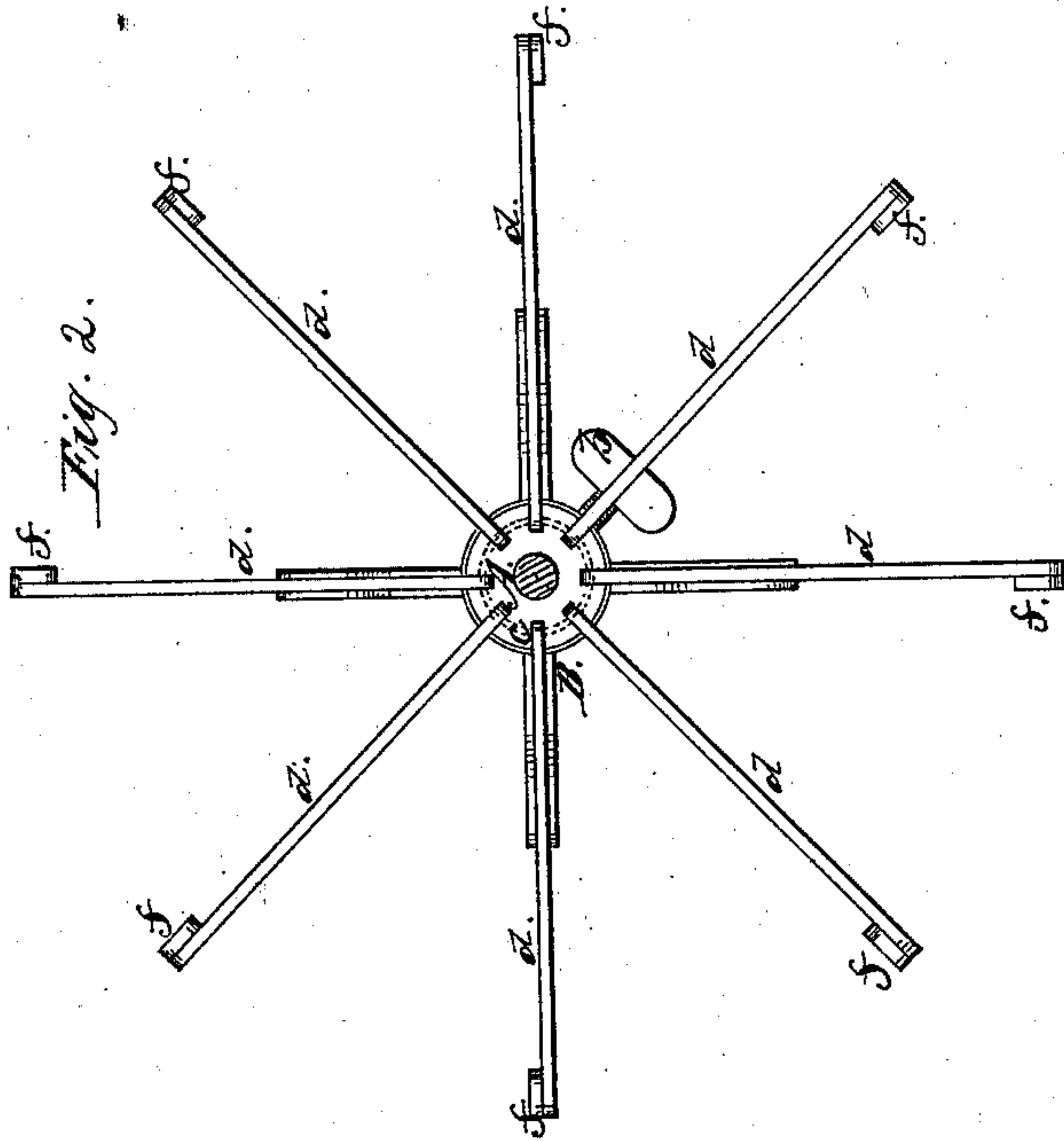


A. A. Harris,

Clothes Drier,

Patented Aug. 10, 1858.

N^o 21,131.



UNITED STATES PATENT OFFICE.

A. A. HARRIS, OF RAVENNA, OHIO.

CLOTHES-RACK.

Specification of Letters Patent No. 21,131, dated August 10, 1858.

To all whom it may concern:

Be it known that I, A. A. HARRIS, of Ravenna, in the county of Portage and State of Ohio, have invented a new and Improved
5 Revolving Clothes-Rack; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

10 Figure 1, is an elevation of the support or stand with the revolving frame placed on it and bisected vertically through the center. Fig. 2, is a plan or top view of do. the knob at the upper end of the staff being re-
15 moved.

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

This invention consists in having radial arms jointed or pivoted to hubs in such a
20 manner that the arms will be supported by the joints or attachments to the hub, the hubs being placed loosely on a staff so as to revolve, and at equal distances apart so as to form a series of horizontal and parallel
25 frames, and having the outer ends of the arms pivoted to vertical bars, the whole being arranged as hereinafter fully shown and described, so that the frames when not in use may be folded together in sections from
30 a horizontal position by raising the radial arms or sections, so that one or more of the sections may be in use, while the rest are folded up; so that the hubs to which the radial arms are attached, will revolve; and
35 so that the staff may be raised or lowered by a screw and rendered very compact.

This device may be used either as a clothes drier made of requisite dimensions for such purpose and placed in the open air, or it may
40 be used as a horse or rack within doors to hold clothes while being "aired" after being ironed. It also makes an excellent "swifts," the arms being raised or lowered to suit any size of skein. It may also, when
45 folded up, be used as a hat stand, the hats being hung upon the points of the elevated arms, and also, if desirable, on pins or hooks in the arms, or vertical bars.

To enable those skilled in the art to fully
50 understand and construct my invention I will proceed to describe it.

A, represents a vertical staff which is of cylindrical form, and has its lower end fitted loosely in a socket *a*, which is at the upper

end of a base or stand B. This staff is al- 55
lowed to rise and fall in the socket and is secured at any desired point by a set screw *b*. On the staff A, there are a series of
60 bosses *b'*, formed or attached at equal distances apart. Three are shown in Fig. 1, but more or less may be used as desired. The bosses *b'*, form supports for hubs *c*, *c*, *c*, which are placed loosely on the staff A, and
65 allowed to turn freely thereon. In each hub *c*, a series of radial arms *d*, are jointed or hinged as shown at *e*, said joints may be formed of pins passing through the upper parts of the inner ends of the arms, the lower parts of the inner ends of the arms be-
70 ing about at right angles with their upper surfaces. The inner ends of the arms when depressed bear against the hubs *c*, and retain the arms *d*, in a horizontal position. The self-supporting outer ends of the arms
75 *d*, of each hub *c*, are pivoted to vertical bars *f*. Any proper number of arms *d*, may be attached to the hubs *c*, and any suitable number of hubs may be used. The three
80 sets of arms it will be seen being connected by the bars *f*, and the hubs *c*, being allowed to turn freely on the staff A, a rotary frame will be obtained. The clothes are hung on
85 the arms *d*, when the latter are depressed and in a horizontal position, and if necessary cords may be wound around pins on the arms or secured to the arms in any proper way and also to the vertical bars *f*, to afford
90 additional facilities for holding or receiving clothes. As the frame folds in sections, one or more of the sections or radial arms may be in use, while the others are fold-
ed up.

All the parts above described may be constructed of wood and the device may be made of any proper size suitable for the pur- 95
pose intended, either as a rotating clothes drier for the open air or for a clothes horse for indoor use.

When not in use the arms *d*, are elevated as shown in red in Fig. 1, and the device is 100
thereby rendered very compact.

The staff it will be understood may be raised or lowered as occasion may require.

I do not claim the employment or use of folding or expanding arms broadly or irre- 105
spective of the arrangement herein shown and described; but

Having thus described my invention what

I claim as new and desire to secure by Letters Patent, is—

5 The radial arms so jointed or pivoted to hubs that they will be supported by the joints or attachments to the hub, the hubs being loose on the staff so as to revolve, and at equal distances apart to form a series of horizontal and parallel frames, each of

which series may be folded up separately, and the whole be adjusted vertically by the 10 main staff as herein set forth.

A. A. HARRIS.

Witnesses:

I. W. ENOS,
R. MITCHEL.