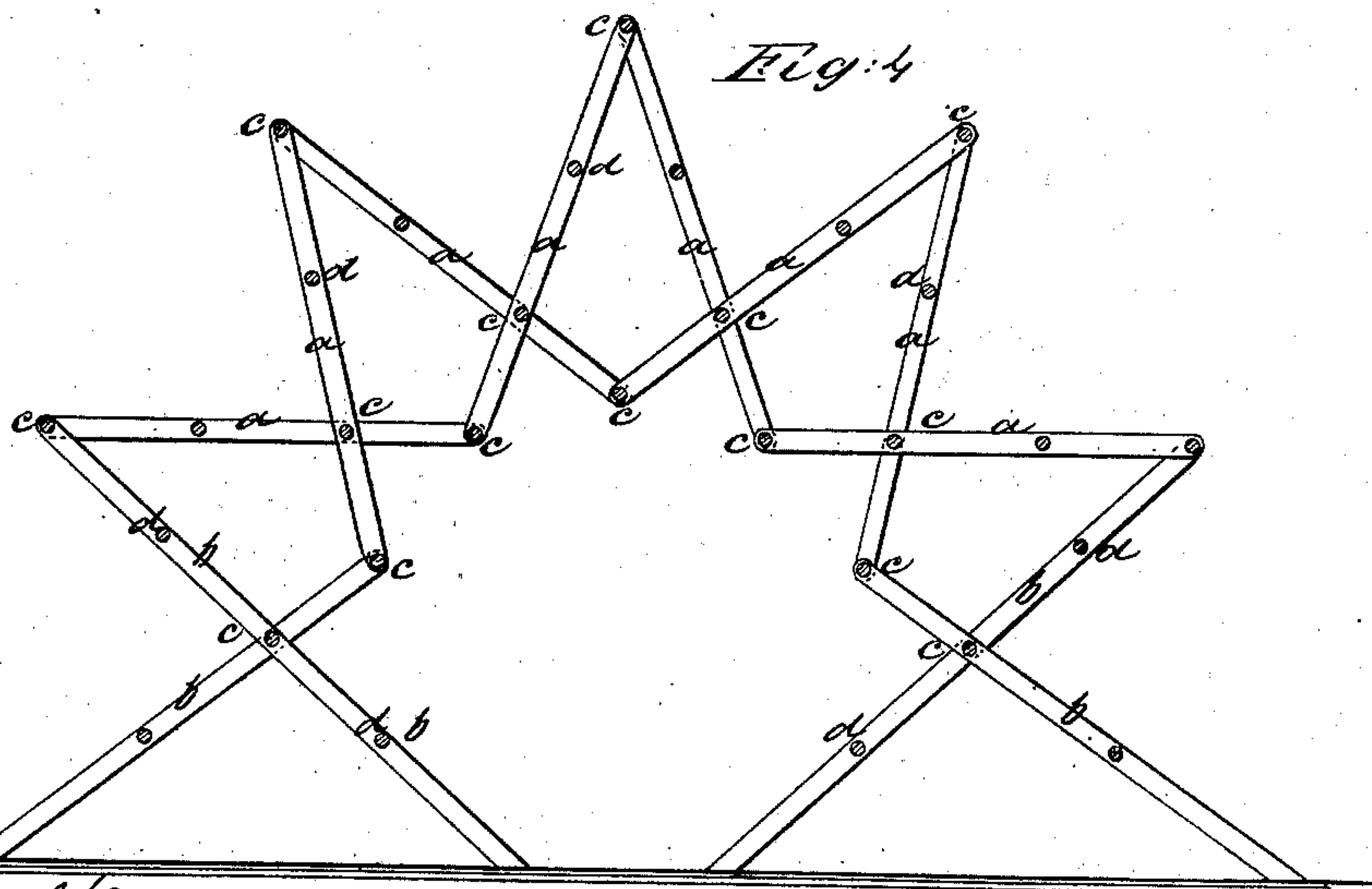
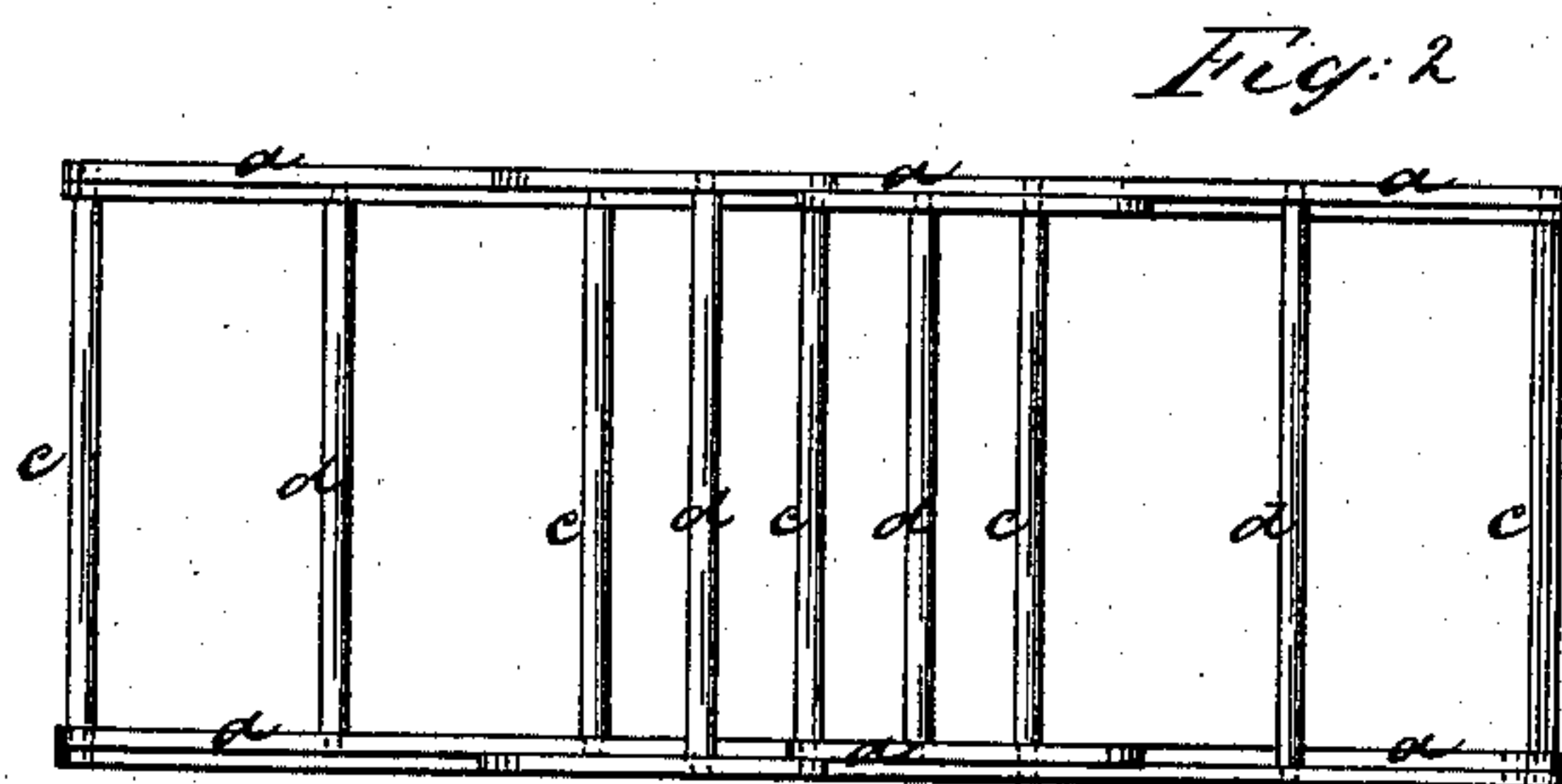
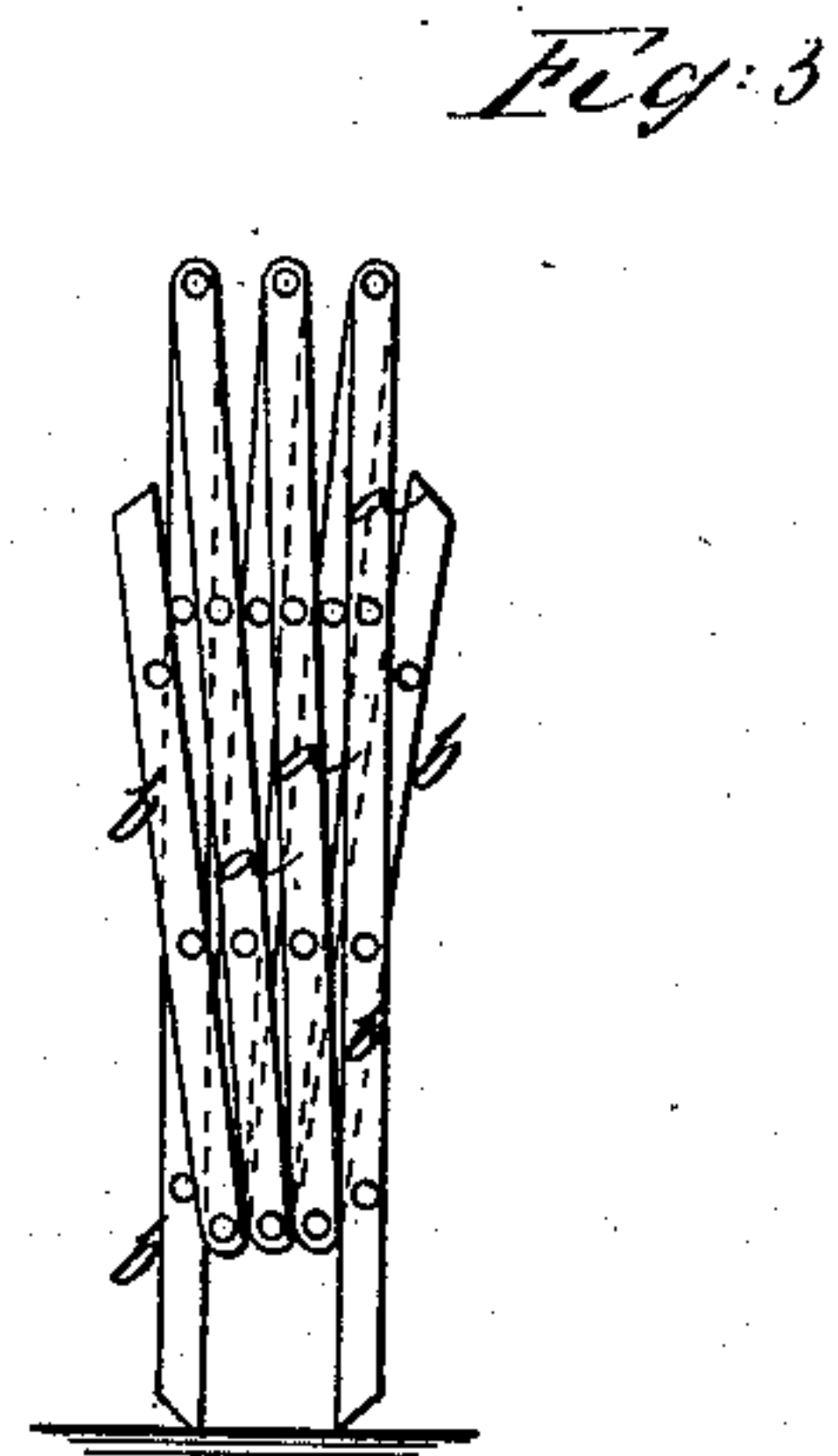
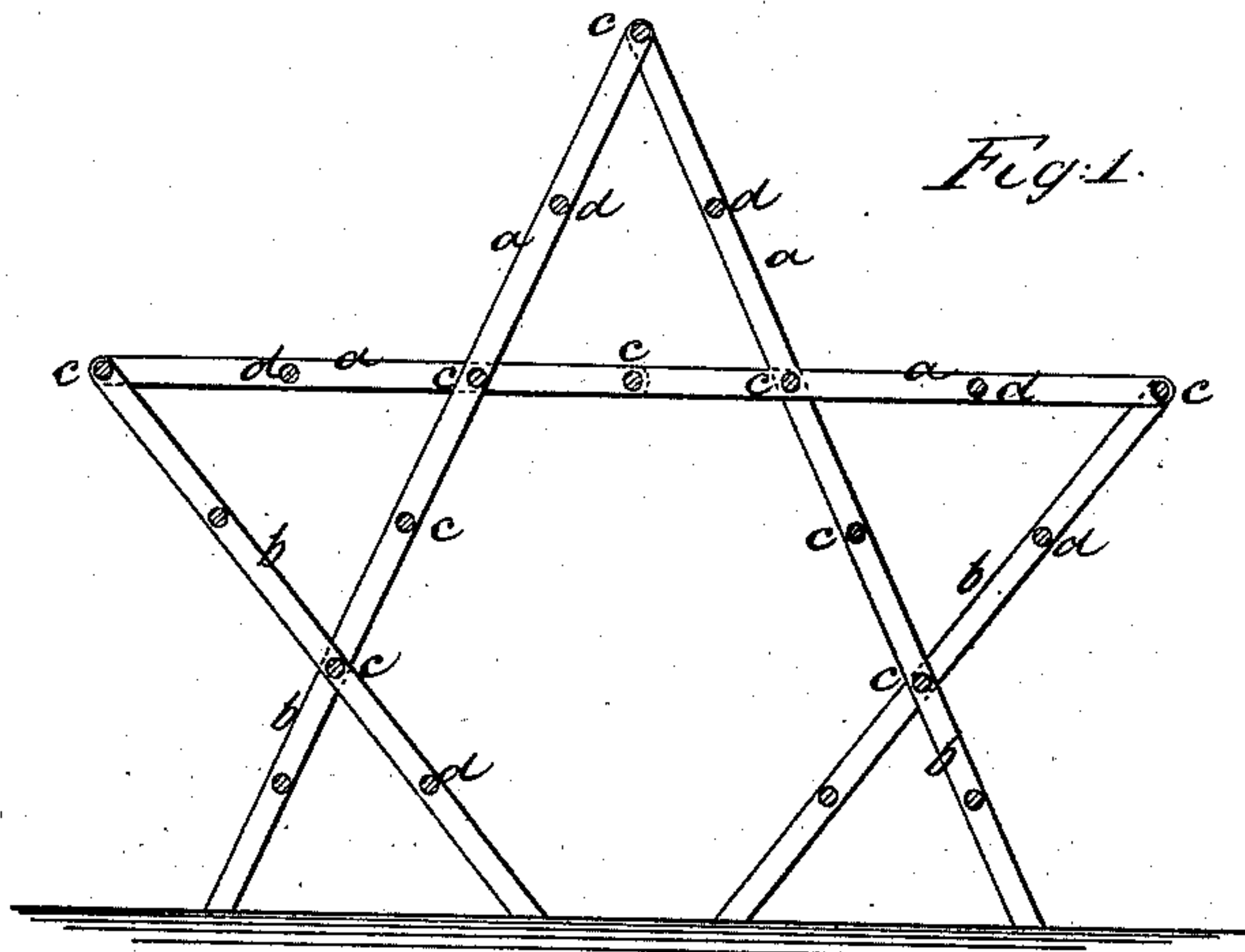


T. G. Harold,

Clothes Frame,

N^o 43,113,

Patented June 14, 1864.



Witnesses.

Alex. J. Walker

Chas. L. Smith

Inventor.

Thos. G. Harold

UNITED STATES PATENT OFFICE.

THOMAS GEORGE HAROLD, OF BROOKLYN, NEW YORK.

IMPROVED CLOTHES-DRIER.

Specification forming part of Letters Patent No. 43,113, dated June 14, 1864.

To all whom it may concern:

Be it known that I, THOS. GEO. HAROLD, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Frames for Hanging and Drying Clothes and Other Articles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a longitudinal section of my apparatus as designed for a family clothes-frame or drying apparatus. Fig. 2 is a plan of the same. Fig. 3 is a side view of the apparatus as closed. Fig. 4 is a side view of my invention as designed for factories and other places.

Similar marks of reference denote the same parts.

The nature of my invention consists in a series of folding bars jointed to each other at their ends and at their intersections, which intersecting or turning point is not in the center of such folding bars, so that the bars do not open parallel or in a straight line, as heretofore usual with such folding bars, but they assume a position or move in a direction corresponding with that of arching up a previously-flat plane, whereby the said frame will rise in a vertical direction when the apparatus is extended, and at the same time some of said bars assume a horizontal position, and the frame is braced firmly in its extended form, so that weight hung or otherwise affixed to said frame, or to cross-pieces or bars between two such frames, will not cause it to change its position.

The object of my said invention is as follows: first, to construct a frame in such a manner that it will open vertically, or nearly so, in order to raise the cross pieces or rails from the floor or ground; second, to provide free circulation for the air in drying articles that may be placed thereon, and to obtain that result it will be seen that the cross-pieces are so placed that they do not come over each other vertically; thereby ample space is provided for the air to circulate; third, that said

frame when open or extended shall increase its dimensions about one-third vertically and about seven times horizontally, according to the height of frame and the point at which the bars are connected, and at the same time be so braced that the parts will not give way when weight is applied.

In the drawings, *a a* represent the folding bars of said frame, and *b b* the legs. *c c* are the cross pieces or rails on which said frame swings or turns, and on which articles can be hung. *d d* are extra rails for hanging or drying clothes.

It will be seen that when the apparatus is extended, as in Figs. 1 and 4, the bars *a a* rise vertically; thereby the cross-pieces or rails rise from the floor or ground, and when closed, as in Fig. 3, said cross-pieces are not allowed to touch the ground, on account of the legs *b b* extending below them.

I have shown in Fig. 4 the apparatus as having twice the number of folding bars, for it will be evident that the frame may be increased in its size, both vertically and horizontally, by the addition of folding bars, but when closed said frame is not increased in height; and when it is desired to dispense with the legs *b b* and suspend said frame by nails or otherwise, only one of the side frames is used, and pegs or hooks are to be used, instead of the cross-bars, to hang clothing or other articles on.

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

1. A series of folding bars jointed to each other at their ends and at a point nearer one end than the other of said bars, so that the frame rises when it is opened, substantially as specified.

2. The arrangement of the sustaining-legs, in combination with the said folding frame, as specified.

In witness whereof I have hereunto set my signature this 24th day of March, 1864.

THOS. GEO. HAROLD.

Witnesses:

ALEX. WALKER,
CHAS. H. SMITH.