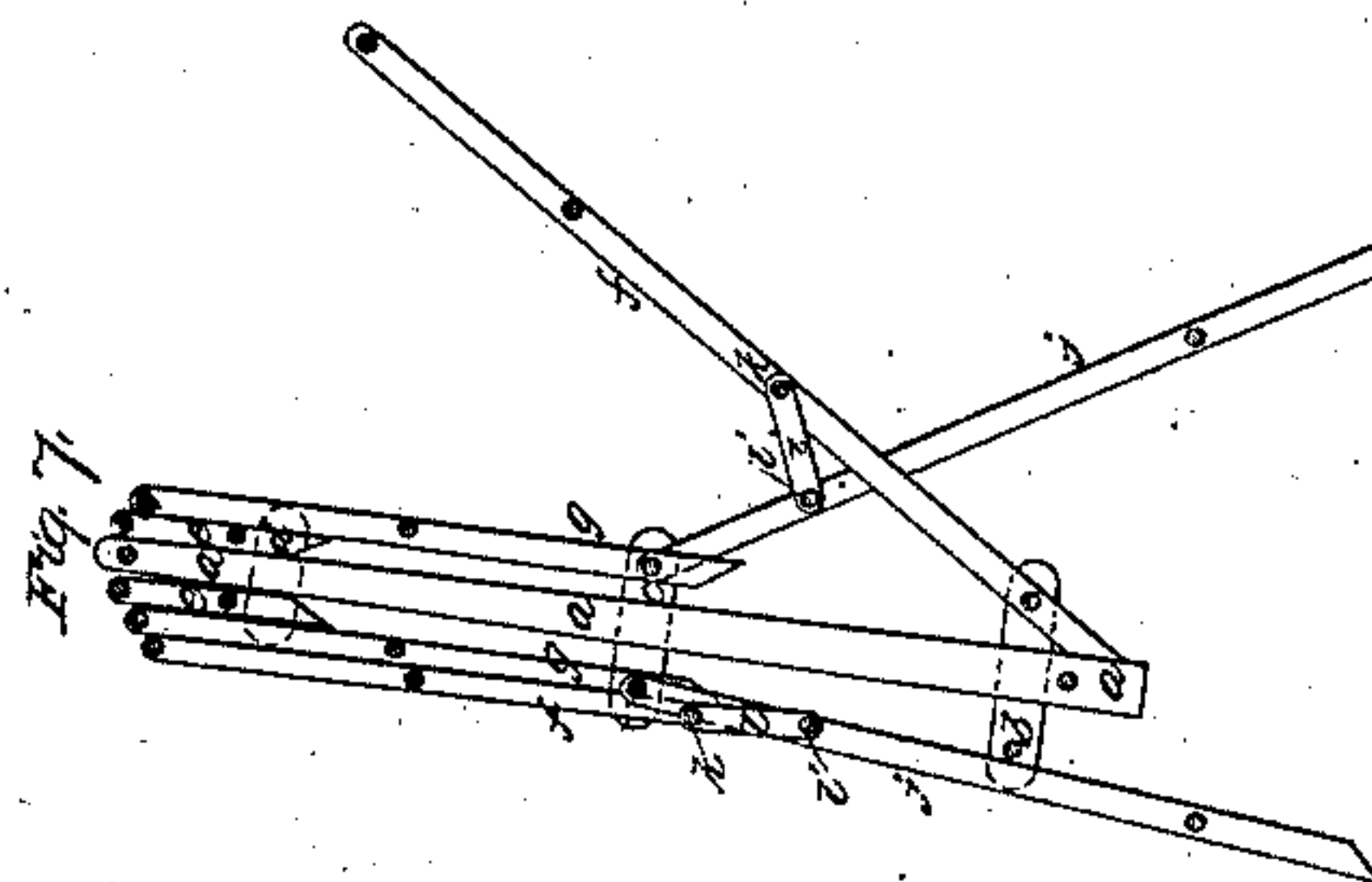
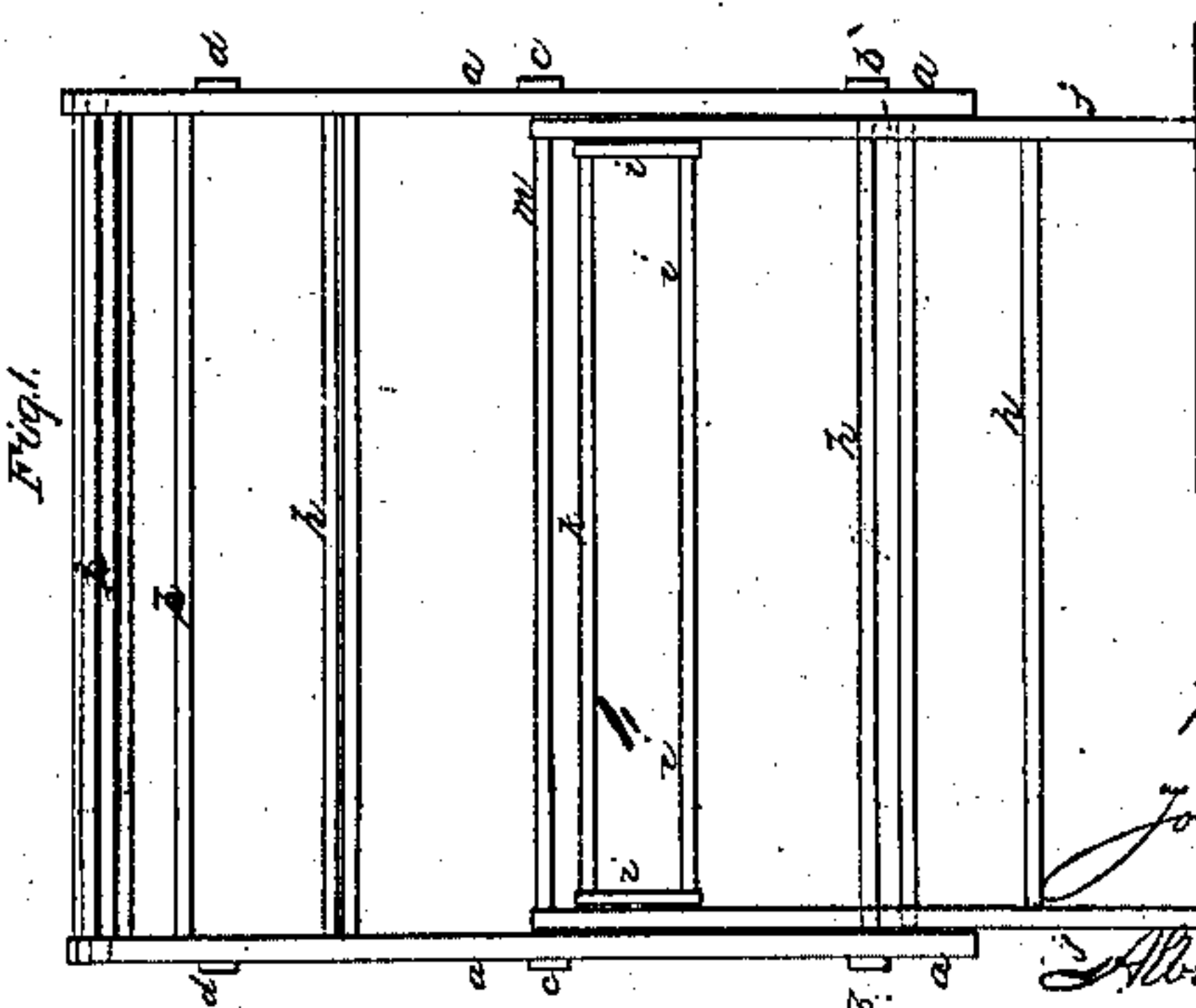
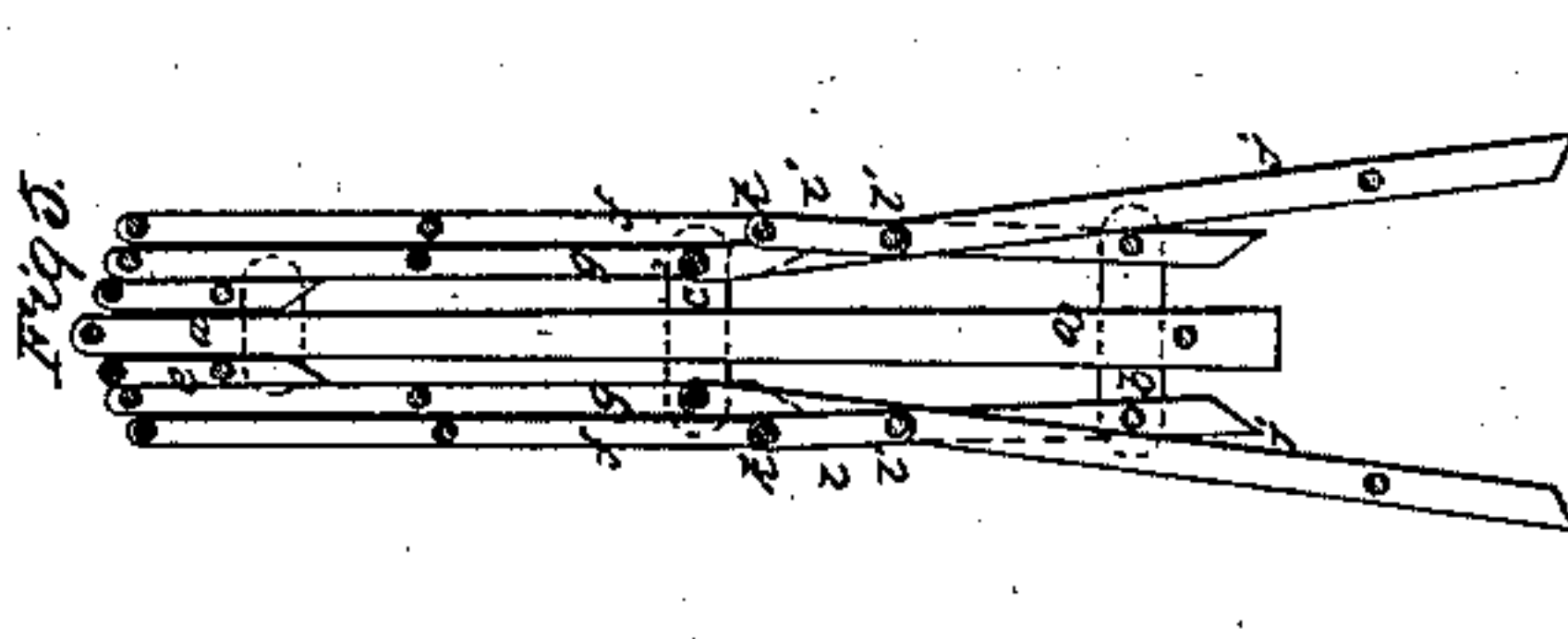
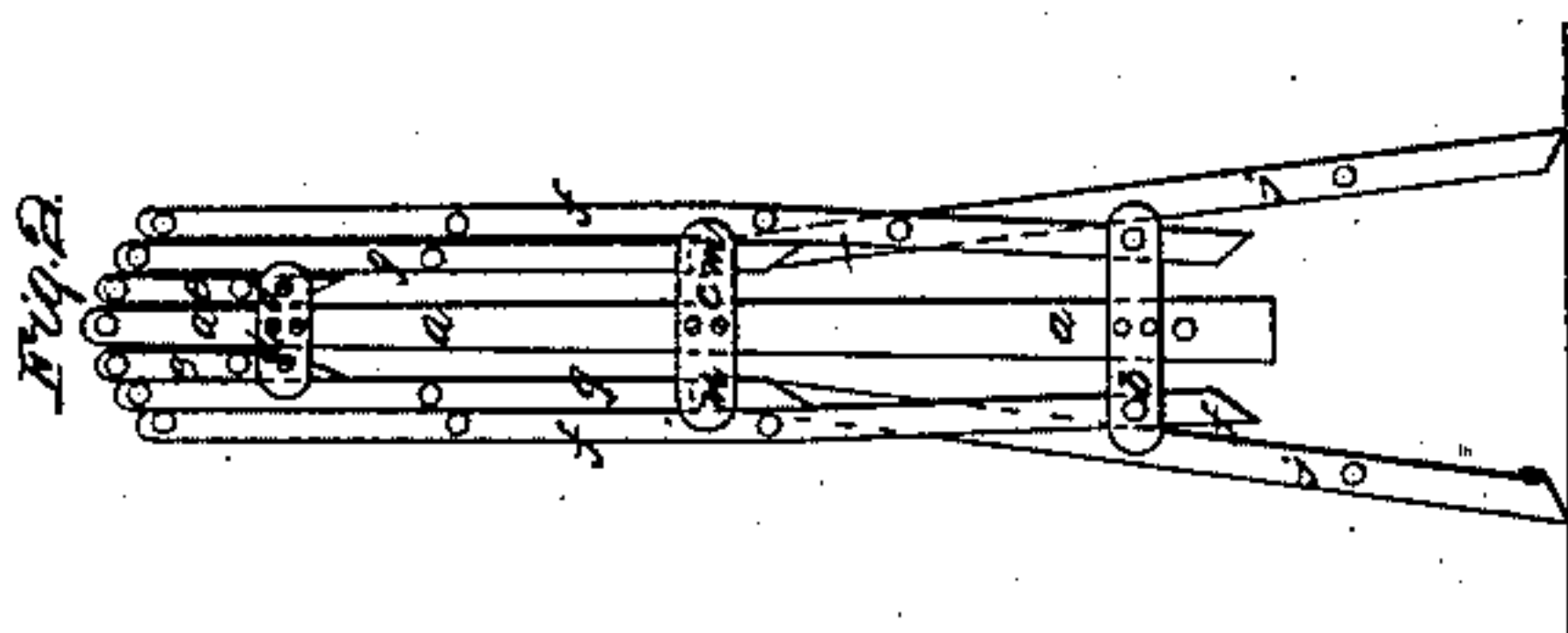
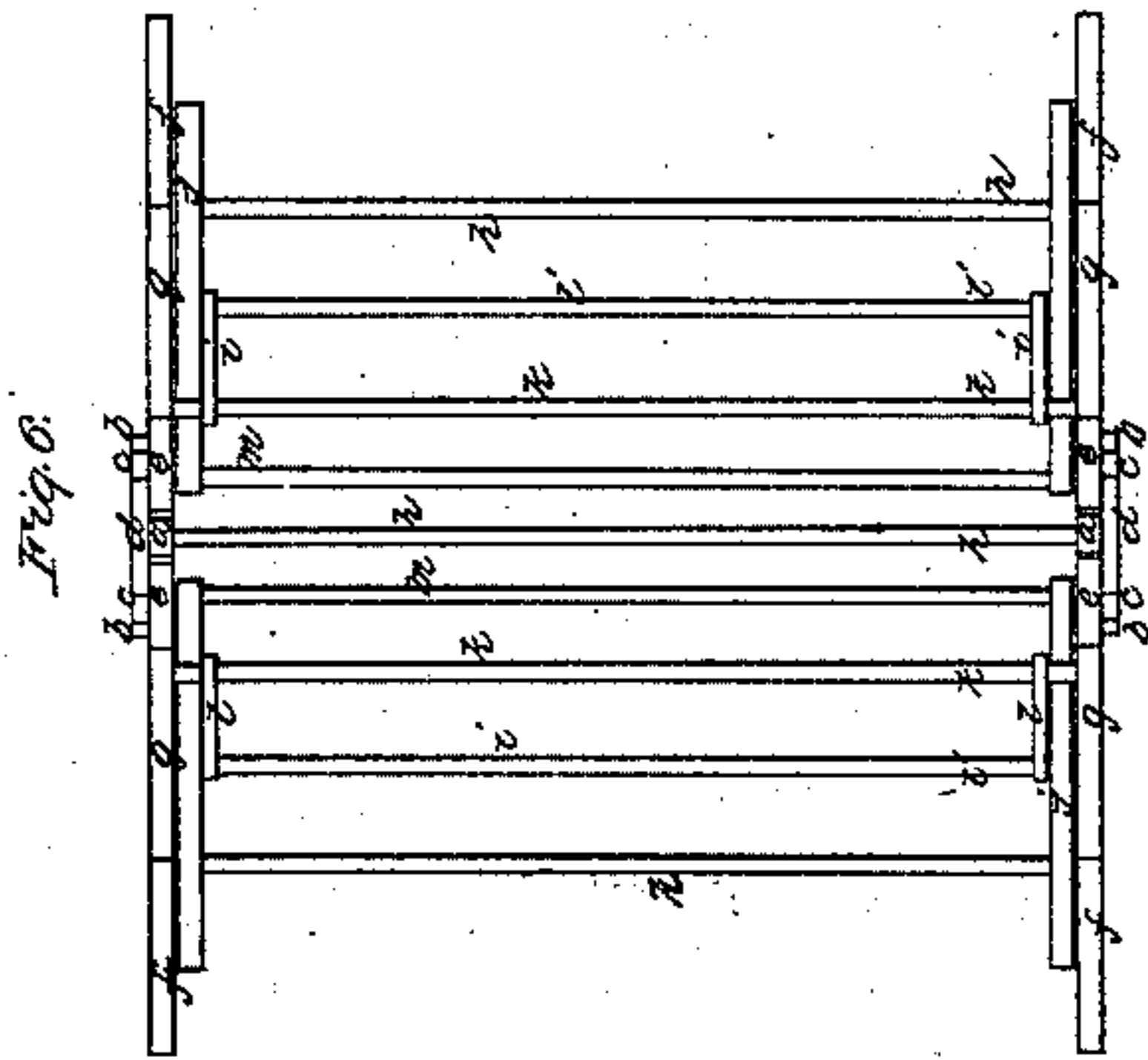
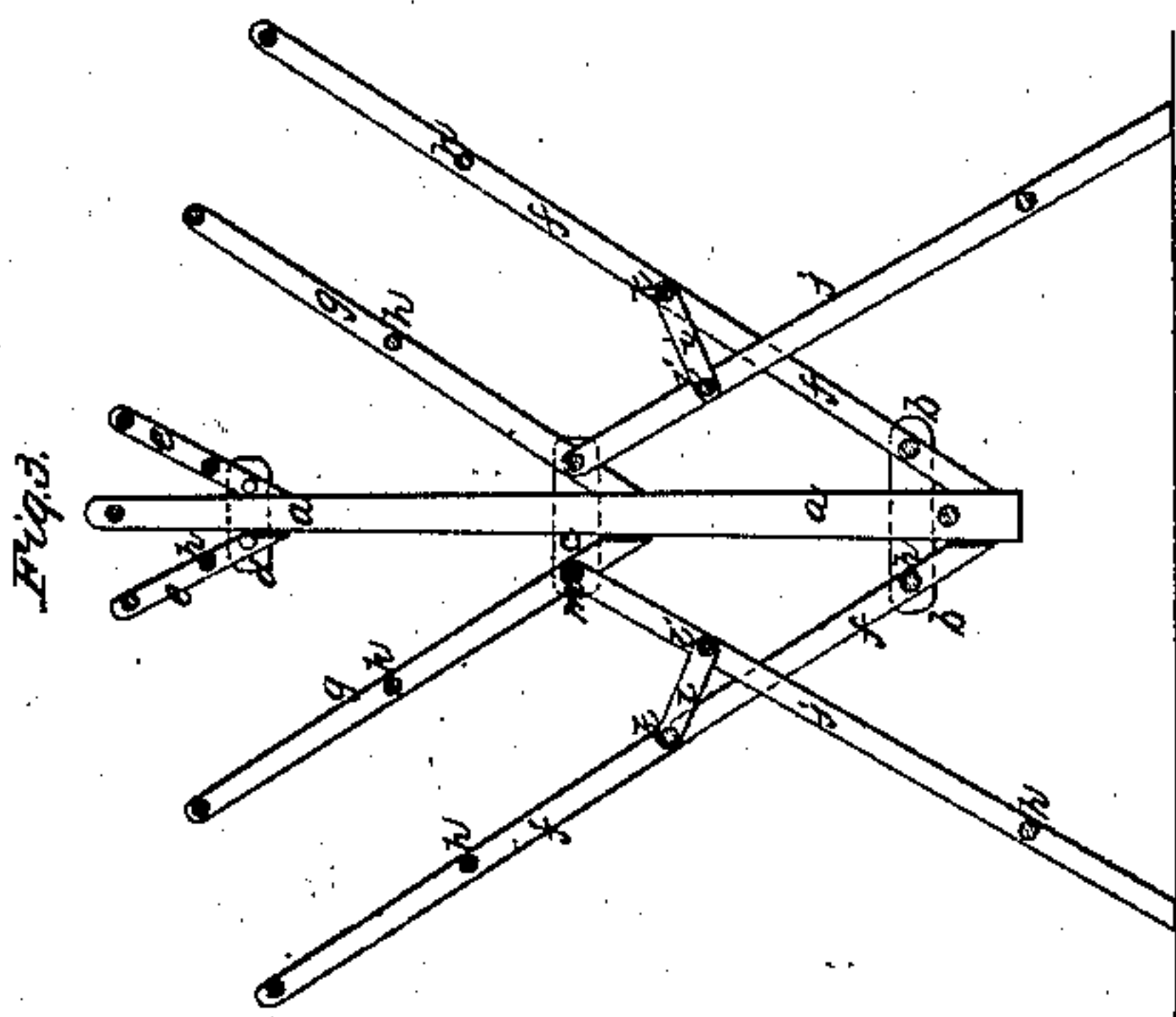
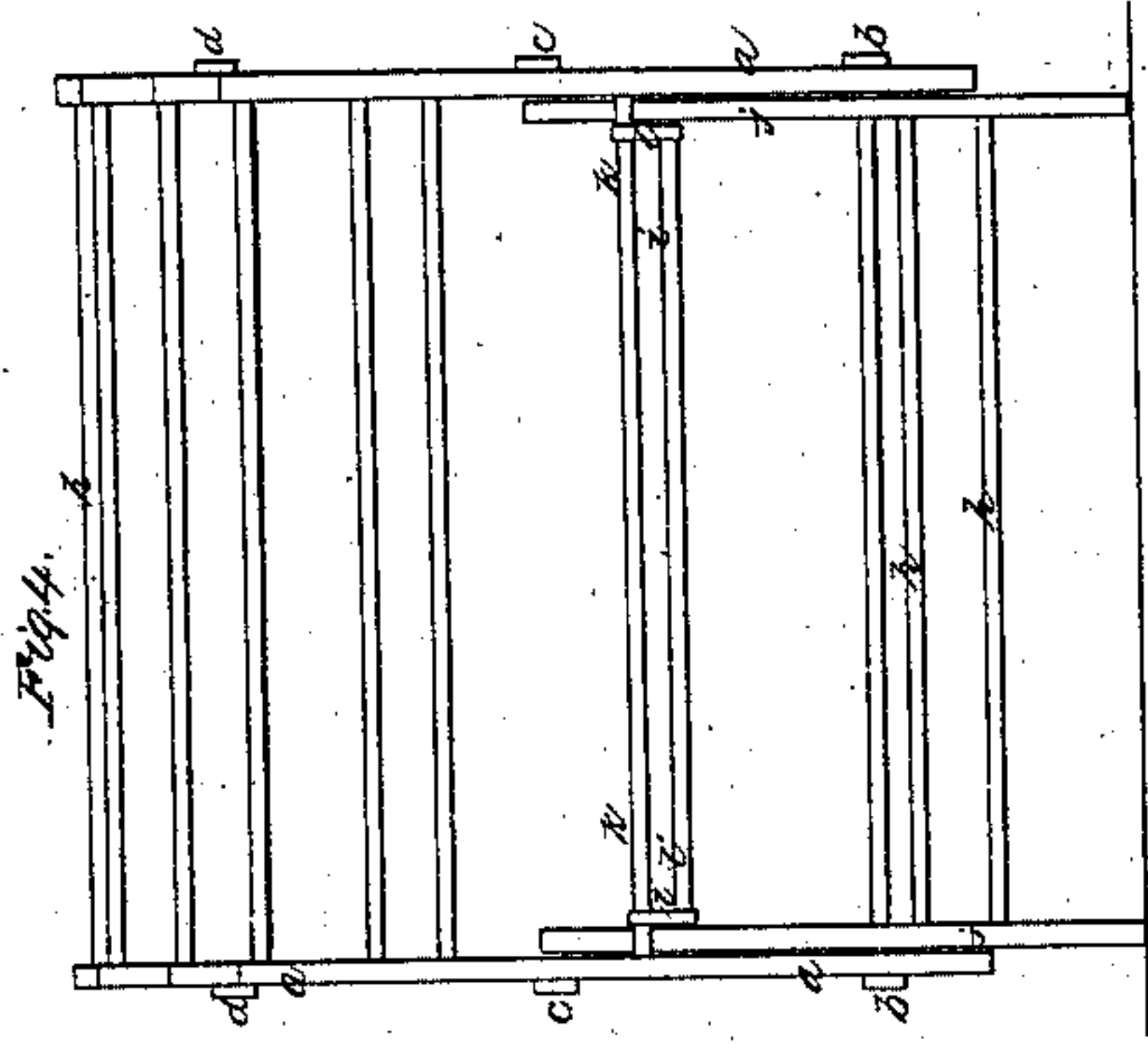


A. F. Saunders,

Clothes Frame,

N^o. 39,706.

Patented Aug. 25, 1863.



Witnesses:

Joseph Garrett

Albert W. Brown

Inventor:

A. F. Saunders

UNITED STATES PATENT OFFICE.

A. F. SAUNDERS, OF CHELSEA, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND C. B. BASFORD, OF MALDEN, MASSACHUSETTS.

IMPROVED CLOTHES-DRIER.

Specification forming part of Letters Patent No. 39,706, dated August 25, 1863.

To all whom it may concern:

Be it known that I, A. F. SAUNDERS, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Clothes-Horses; and I do hereby declare that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements by which my invention may be distinguished from all others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The figures in the accompanying plate of drawings represent my improvements.

Figure 1 is a side view of the clothes-horse when closed, and Fig. 2 an end view; Fig. 3, a central transverse vertical section through the clothes-horse opened, and Fig. 4 is a side view of the same. Fig. 5 is a transverse vertical section of the clothes-horse closed; Fig. 6, a top view of the clothes-horse opened, and Fig. 7 is a transverse vertical section of the clothes-horse partially opened.

My improvements are made upon that class of towel-stands or clothes-horses in which the objects sought to be accomplished are portability, compactness, and at the same time the furnishing of a large amount of suspending-surface in order to accommodate as many goods as possible.

In my improved clothes-horse the advantages obtained over those of the same class heretofore used may be briefly enumerated, as follows: First, making each hanging-frame independent of the others, so that it can be used separately therefrom; secondly, so arranging the various parts that half or only one side of the apparatus need be employed at a time, which at certain times is very desirable, especially when the number of goods to be suspended is less than the whole capabilities of the clothes-horse, as, in this position it occupies much less space than when fully spread out; thirdly, a certain arrangement of hanging-frames and short levers whereby the respective foldings and extensions of the supporting-legs are accomplished; fourthly, my clothes-horse is so constructed and arranged

as to stand firmly, whether folded or extended, without any support exterior to itself.

The detailed construction and arrangement of my new clothes-horse is as follows: *a a a a* in the drawings represent two upright standards which extend to the top of the apparatus but not to the base thereof. At each end of the clothes-horse and attached to the standards *a a a a* are three cross bars, *b, c,* and *d*, placed one above another at proper intervals. In these cross-bars are placed the pivots or journals of the series of hanging frames *e e f f g g*, upon the rods *h h*, &c., of which the goods are suspended. It will be seen from the several drawings that the hanging-frames *e e f f g g* can be folded or unfolded and used altogether or separately, and placed respectively in the different positions represented. To accomplish the folding and unfolding of the lower and larger hanging-frames, *g g*, and the supporting-legs *j j* of the apparatus, I connect the hanging frame and legs with two short lever-arms, *l l i i*, one end of each lever-arm having its pivot in the cross-rod *k* of the hanging-frame *f f* and the other end having its pivot in the cross-rod *l'* of the legs *j j*, these legs also turning upon a journal or pivot at *m m*. The hanging-frame *g g* receives a firm bearing-support when extended, in consequence of its lower ends abutting against the central upright standards, *a a a a*.

By the above-described arrangement of the lower hanging-frame, legs, and lever-arms it will be seen that, whether the clothes-horse is folded or unfolded, it will be firmly sustained by the legs *j j* without any other support.

The convenience of having the hanging-frames susceptible of movement independently of each other, as well as the compactness of the whole apparatus, will be readily manifest by inspection of the drawings.

Having thus described my improvement, what I claim as my invention, and desire to have secured to me by Letters Patent, is—

The arrangement of hanging-frames, lever-arms, and supporting-legs, operating together substantially as described, and for the purposes specified.

Witnesses: A. F. SAUNDERS.

JOSEPH GAVETT,
ALBERT W. BROWN.