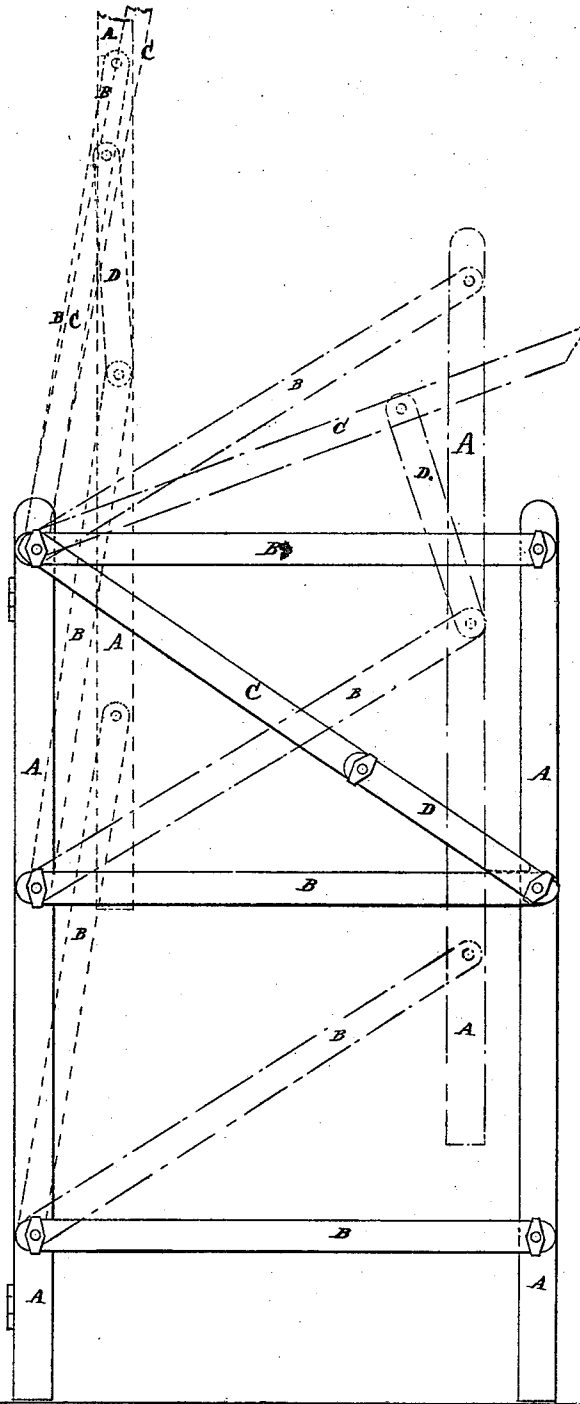


E. KIMBALL.
Folding Clothes-Horses.

No. 148,713.

Patented March 17, 1874.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELIAS KIMBALL, OF NEW YORK, N. Y.

IMPROVEMENT IN FOLDING CLOTHES-HORSES.

Specification forming part of Letters Patent No. 148,713, dated March 17, 1874; application filed January 31, 1874.

To all whom it may concern:

Be it known that I, ELIAS KIMBALL, of the city, county, and State of New York, have invented a new and useful Improvement in Folding Clothes-Horse, of which the following is a specification:

The figure is a side view of my improved clothes-horse, and showing it, in broken lines, partly folded, and in dotted lines fully folded.

My invention has for its object to improve the construction of an ordinary clothes-horse, so that it can be readily folded into small compass for convenience of storage or transportation, and which, when extended for use, will be firmly held in place.

The invention consists in the jointed brace-bars, in combination with the pivoted horizontal and vertical bars of the sections of a clothes-horse, as hereinafter fully described.

A are the vertical bars, and B are the horizontal bars, of a section of the clothes-horse, and two, three, or more of said sections or frames may be hinged to each other in the ordinary way. The ends of the horizontal bars B are pivoted to the vertical bars A by rivets, the washers of which are made with lips to overlap the side edges of the ends of the horizontal bars B, to prevent them from splitting, and thus enable the bars B to be made lighter than would otherwise be possible. The rivets and their washers are made of copper, or other metal that will not rust and stain the clothes. This construction enables the clothes-horse to be folded up, as shown in dotted lines, so that it can be conveniently placed in a closet or store-room, and will require very little space.

C is a brace, the upper end of which is pivoted to the upper end of one of the vertical bars A at the point where the end of the upper horizontal bar B is pivoted to it. The lower end of the brace C rests upon the upper edge of the next horizontal bar B, at the side of the other vertical bar A of each section. To the side of each of the long braces C, near its free end, is pivoted the upper end of a short brace-bar, D, the lower end of which is pivoted to the vertical bar A of the section, at the point where the end of the second horizontal bar B is pivoted to it. The two bars C D thus form a lock-joint to lock the horizontal and vertical bars of the sections in position when extended for use.

In folding the horse, the sections are brought parallel with each other, and the braces of all the sections are raised at the same time, as shown in broken lines in the figure, which allows the horse to be folded up, as shown in dotted lines.

When the sections are opened out, the braces drop, or may be forced down into locking position, as shown in full lines in the figure.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The jointed brace-bars C D, in combination with the pivoted horizontal and vertical bars B A of the sections of a clothes-horse, substantially as herein shown and described.

ELIAS KIMBALL.

Witnesses:

JAMES T. GRAHAM,
ALEX. F. ROBERTS.