

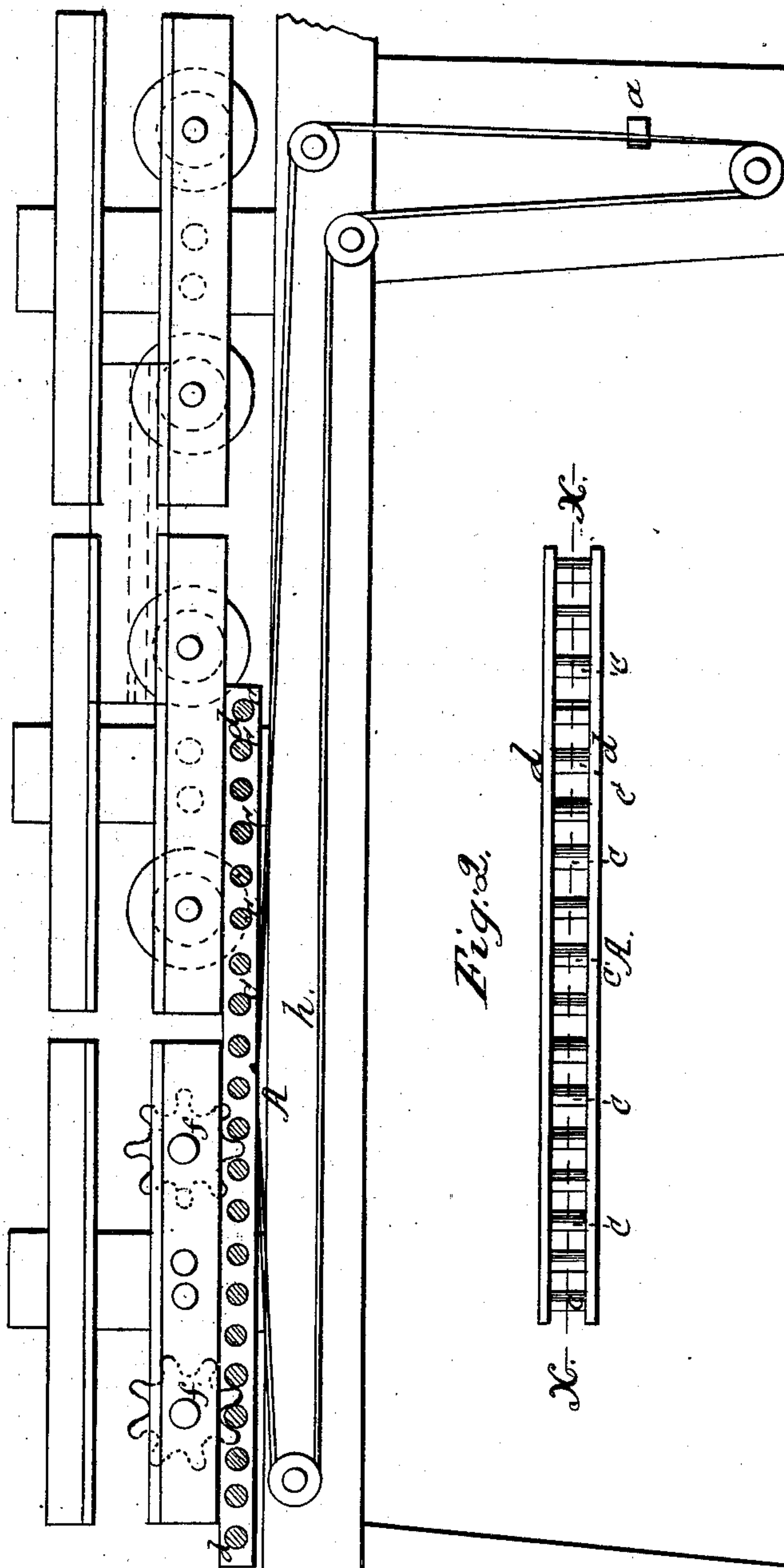
*J. Rushworth*

*Narrow Ware*

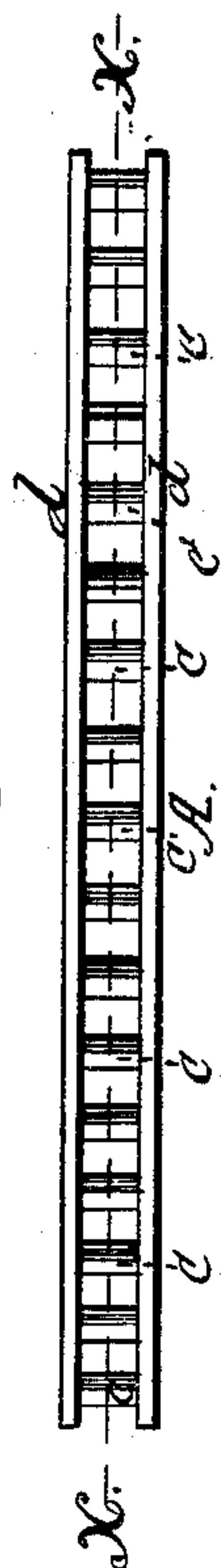
*N<sup>o</sup> 69,708.*

*Patented Oct. 8, 1867*

*Fig. 1*



*Fig. 2.*



*Witnesses,  
Theo. Truske,  
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# United States Patent Office.

JOHN RUSHWORTH, OF NEW YORK, N. Y.

*Letters Patent No. 69,708, dated October 8, 1867.*

## IMPROVEMENT IN LOOM FOR WEAVING RIBBONS, &c.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN RUSHWORTH, of the city, county, and State of New York, have invented a new and useful Improvement in Looms for Weaving; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and improved method of constructing the rack by which the shuttle is moved in tape and ribbon-loom, and for all looms in which goods of a similar nature are woven, and it consists in making the rack of iron or other suitable metal, in the manner hereinafter described.

The drawing represents a longitudinal section of a tape or ribbon-loom, with a section of the rack attached thereto, the section of the rack being through the line *x x*.

The figure is a detached longitudinal view of the rack constructed according to my plan.

Similar letters of reference indicate corresponding parts.

In order to show the manner in which the rack is worked to throw the shuttles, a strap or belt is attached to it, as seen in the drawing, represented in red lines, which passes over and around pulleys. A reciprocating motion given to the belt *h* from the block *a* would impart a similar motion to the rack and operate the shuttles. *A* represents the rack. This rack is formed of two side pieces, of suitable length and size, with short rods passing from one to the other, as represented. The rods are represented by *c*, and the side pieces by *d*. The rods are round, and work in connection with the cogs of the pinions *f f*, and give motion to the shuttle when it is thrown back and forth by the belt *h*.

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

The metal rack *A*, constructed of bars *d d* and rods *c c c*, as shown and described, combined with the strap *h* and pinions *f f*, in the manner and for the purposes set forth.

The above specification of my invention signed by me this 6th day of March, 1867.

JOHN RUSHWORTH.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.