

J. KNOWLES.

Children's Carriage.

No. 4,666.

Patented July 28, 1846.

Fig. 3.

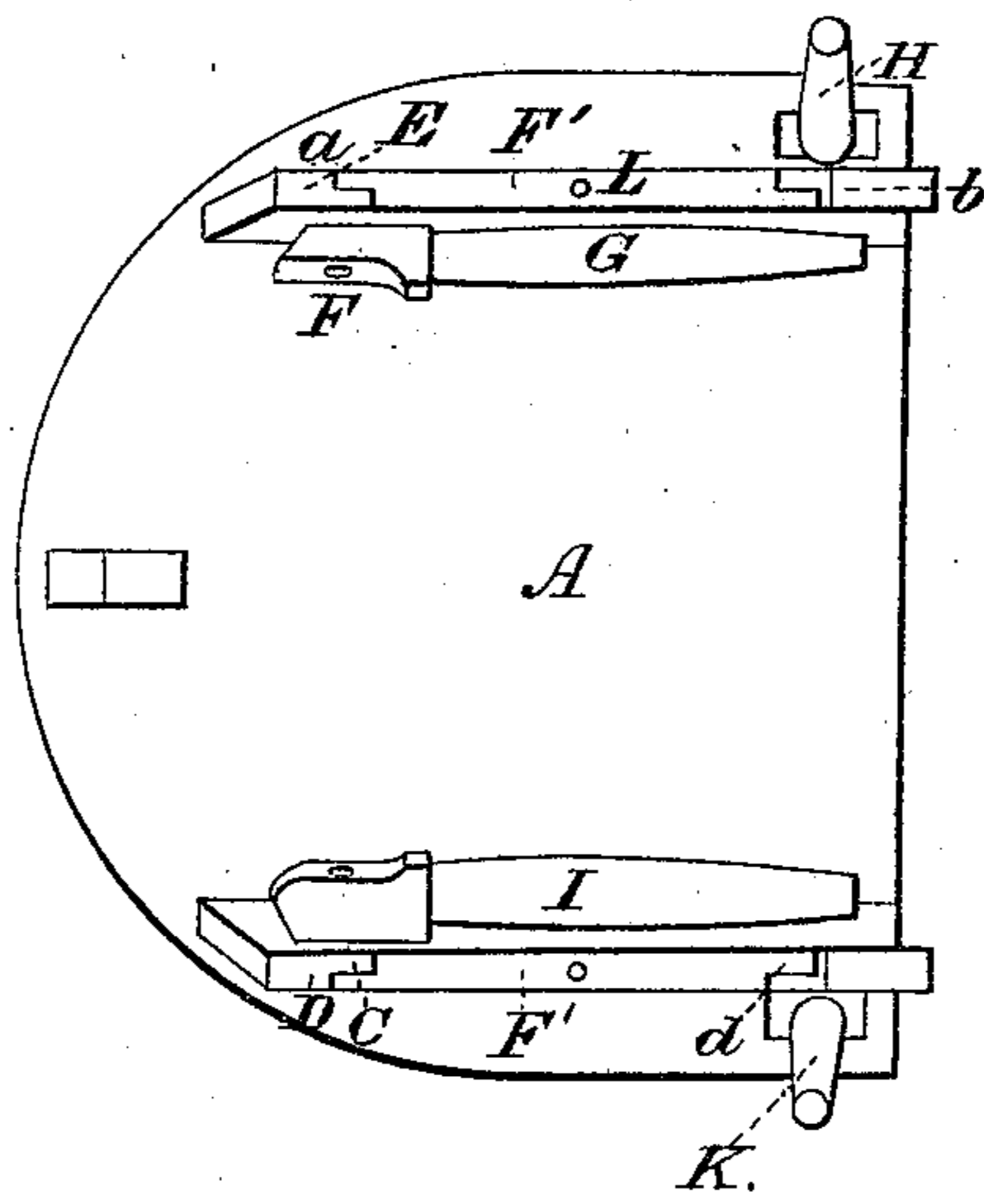
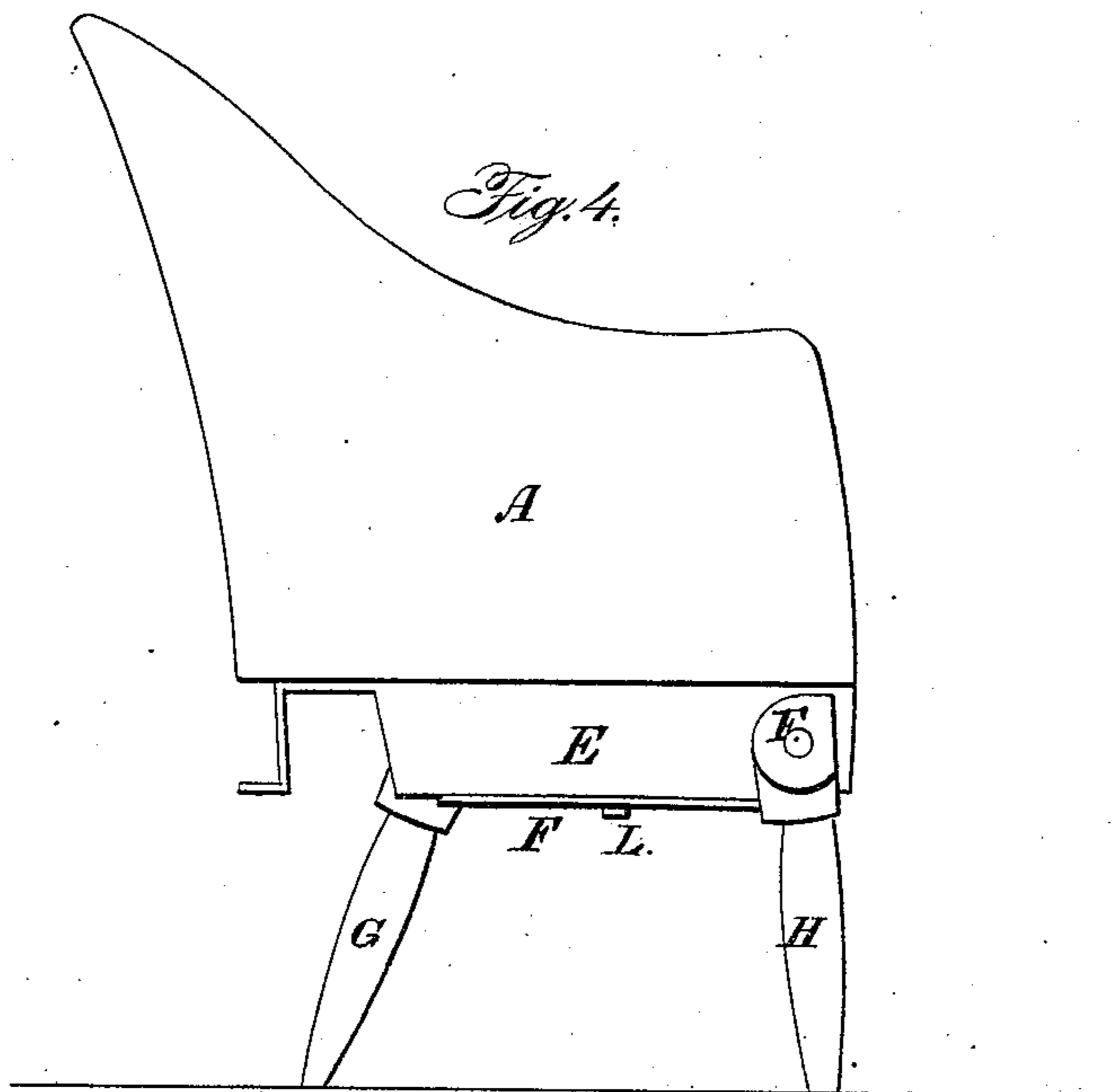


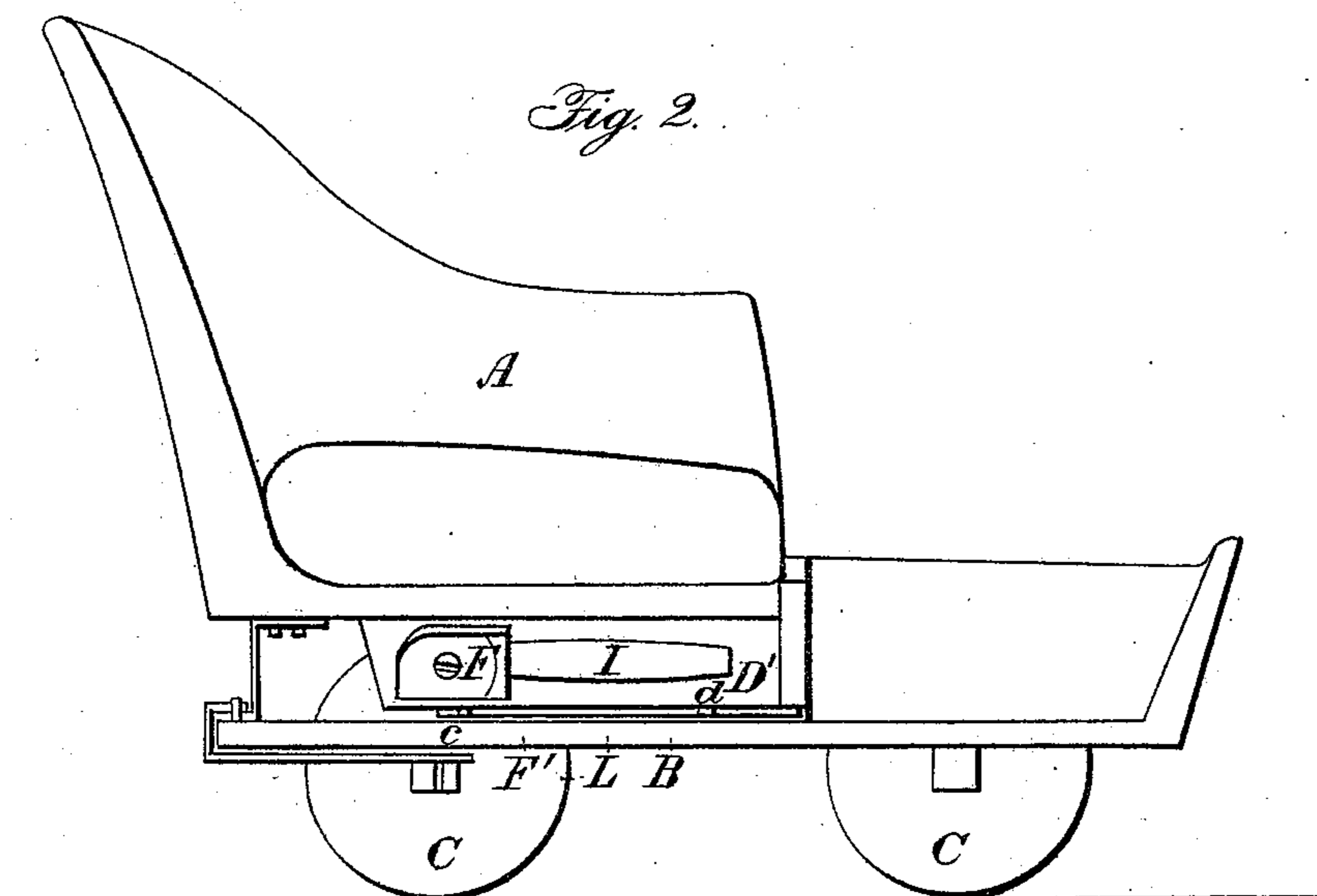
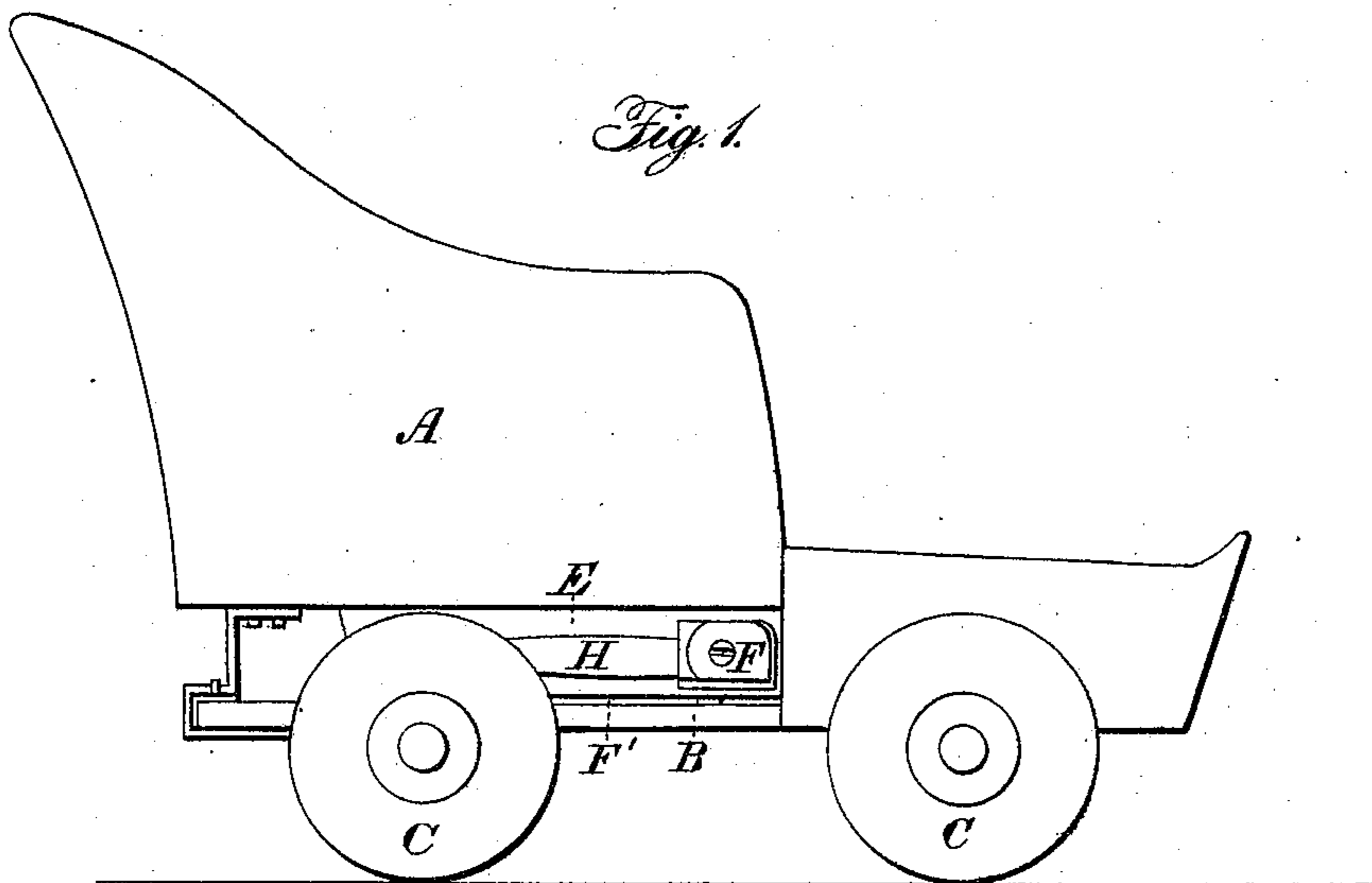
Fig. 4.



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UNITED STATES PATENT OFFICE.

JONATHAN KNOWLES, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN CHILDREN'S CHAIRS AND WAGONS.

Specification forming part of Letters Patent No. 4,666, dated July 28, 1846.

To all whom it may concern:

Be it known that I, JONATHAN KNOWLES, of Lowell, in the county of Middlesex and State of Massachusetts, have invented a certain new and useful Improvement in Chairs, by which they may be applied to carriage-trucks or used separate therefrom, as occasion may require; and I do hereby declare that the nature of my invention is fully set forth and represented in the following specification, accompanying drawings, letters, figures, and references thereof.

Figure 1. exhibits a side elevation of my improved chair as applied to a wheeled carriage or truck. Fig. 2 is a vertical, central, and longitudinal section of the same. Fig. 3 is a view of the under side of the bottom of the chair and the folding legs applied thereto, two of said legs being represented as folded down upon the bottom and the other two as extending out from the same, like those of an ordinary chair. Fig. 4 is a side elevation of the chair as it appears when separated from the carriage-truck and having its legs extended out nearly at right angles to its bottom.

The peculiar nature of my improvement consists in making the legs of a child's chair to fold down upon or against the bottom thereof, in order that the said chair may be applied to a truck or carriage and constitute the seat thereof whenever circumstances may require the same.

In the drawings, A denotes a chair, and B a platform sustained upon wheels C C, the said platform and wheels constituting what is usually termed a "wheel-carriage."

To the bottom of the chair I apply and secure two cleats D E, of the form and in the positions as seen in the drawings. To each of these cleats two of the four legs G H I K of the chair are jointed in such manner that they may be folded down upon the bottom or turned out nearly at right angles to the same. Each leg turns or moves upon a joint pin or screw F, which passes through it and is fixed

in the cleat to which the said leg is connected.

Between the two legs applied to each cleat is a turning plate F', which is of the form and is applied to the cleat in the position as seen in the drawings. Each of the said plates F' turns upon a screw or pin L, passed through its center and into the cleat upon which it is situated, the ends of the said turning plates being notched, as seen at *a b c d*. When two legs are thrown out nearly at right angles to the bottom, they are kept out in such situations by moving the turning plate immediately connected with said legs into such position that the legs may be received into the notches of said plate. When the legs are turned or folded down upon the bottom of the chair, the said bottom may be placed upon the platform or carriage, so as to bring the cleats or turning plates thereof to rest upon the same, and when so placed it may be confined therein in any convenient or proper manner. The seat of the chair is thus brought down to the proper position with regard to the platform to allow the legs of a child or person to be extended horizontally, or nearly so. Instead of being applied to a carriage on wheels, the chair with its legs folded down upon the bottom may be placed in a common or larger chair, and thus be substituted as a common high or child's table-chair.

Having thus set forth my invention, I claim—

The manner in which I am enabled to adapt a chair to a carriage or truck or another chair, as above set forth, the same consisting in combining with the bottom of said chair the stationary cleats and folding legs applied to them, as above described.

In testimony whereof I have hereto set my signature this 14th day of March, A. D. 1846.

JONATHAN KNOWLES.

Witnesses:

J. A. KNOWLES,
THOMAS ADAMS.