(No Model.)

C. A. FRENCH.

Truck for Moving Pianos.

No. 237,737. Patented Feb. 15, 1881.

Fig. 1.

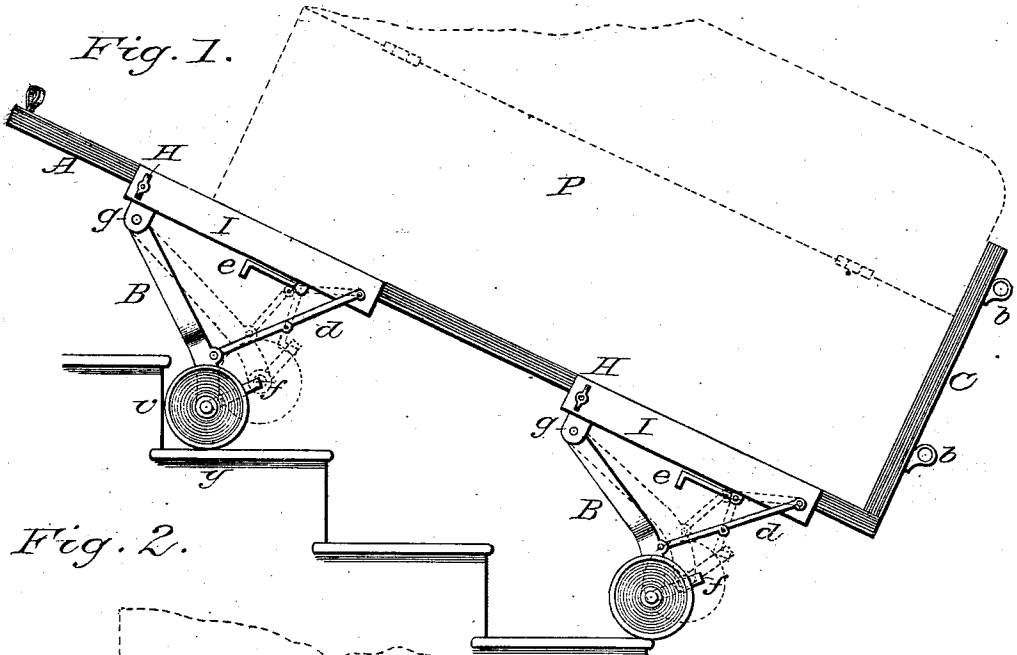
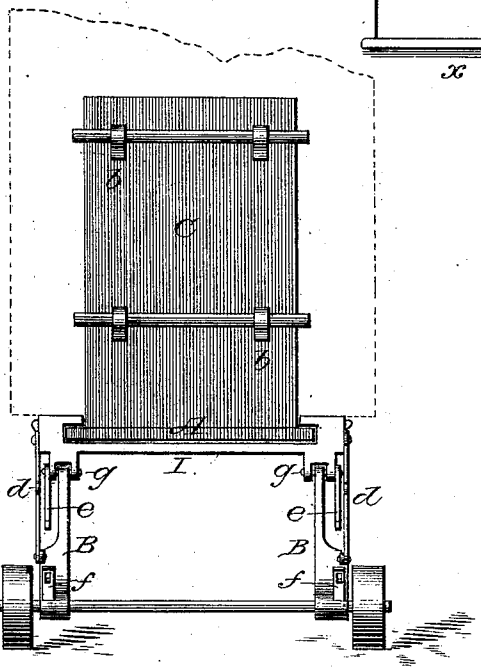


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES A. FRENCH, OF DAVENPORT, IOWA.

TRUCK FOR MOVING PIANOS.

SPECIFICATION forming part of Letters Patent No. 237,737, dated February 15, 1881.

Application filed September 22, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ALBERT FRENCH, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Trucks for Moving all kinds of Pianos and Heavy Goods, of which the following is a specification.

My invention relates to improvements in trucks, whereby the height can be regulated at pleasure to be adapted to moving all kinds of pianos, stoves, boxes, trunks, &c., and also be adjusted for the variation of different stairs. I attain these objects by mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation; Fig. 2, an end elevation.

Similar letters refer to similar parts throughout the several views.

A plain board, A, with a board, C, projecting up from the board A, and provided with hands *b b b b*, constitutes the frame-work of the machine. I I are two separate truck-frames, each provided with an axle, wheels, and standards B B, made adjustable in height by hooks *e e* and elbow-joints *d*, and provided with grooves to slide over the bed A either way, and they are secured at any place in the length of the bed, and at any distance from each other, by means of the thumb-screws H H, so as to vary the distance between the axles for the variation of the pitch of different stairs, so that while one set of wheels are rolling on one stair the other set of wheels can be raised or lowered to the next stair, as desired. The truck-wheels are also adjustable in height, so as to carry upright pianos up or down stairs (or they may be folded up or taken off to go into a wagon or dray) without striking the ceiling. The standards B B are each hinged to the frames I I at *g g*. The other ends are securely fastened to the axle and are held by hinged braces *d d*, hinged to the frames I I, and to the standards B B, near the axles. These braces are provided with a hinged joint at or near the middle, so that when extended they hold the truck at the highest point and when folded up leave it at the lowest point. Hooks *e e* are also hinged to frames I I and made to hook in a catch or hole, *f*, near the axle, so as to hold the truck partially elevated to carry upright pianos.

The hooks *e e* may be provided with reversible springs, so as to hold them against the catch or hole *f*, near the axles, or when not in use back against the frames I I.

The braces *d d* also may be provided with a catch to fasten them, when extended, so that in case they should strike any thing they will not fold up and let the piano fall.

The thumb-screws H H hold the separate trucks at any desired place on the bed A.

I may make use of an extension-cushion on the end board, C, to hold upright pianos near the middle of the bed A, (lengthwise,) so as to divide the weight, and the bed A may be provided with cushions reversible or removable, or both, for the different kinds of pianos.

It is evident that the hooks *e e* may be of any desired length to hold the truck at any desired height.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A truck-bed in combination with one or more truck-frames adjustable thereon, and provided with truck-wheels mounted upon standards attached to the frames and adjustable in height with respect thereto, substantially as described.

2. A truck-bed in combination with one or more truck-frames provided with truck-wheels mounted upon standards attached to the frames and adjustable in height with respect thereto by means of hook-braces, substantially as specified.

3. A truck-bed in combination with one or more truck-frames provided with truck-wheels mounted upon standards attached to the frames, and adjustable in height with respect thereto by means of hooked and jointed braces, substantially as set forth.

CHAS. ALBERT FRENCH.

Witnesses:
W. A. MAC NULTY,
C. P. ARCHIBALD.