

No. 711,007.

Patented Oct. 14, 1902.

A. A. SCOTT.
ELEVATING TRUCK.

(Application filed Feb. 12, 1902.)

(No Model.)

Fig. 1.

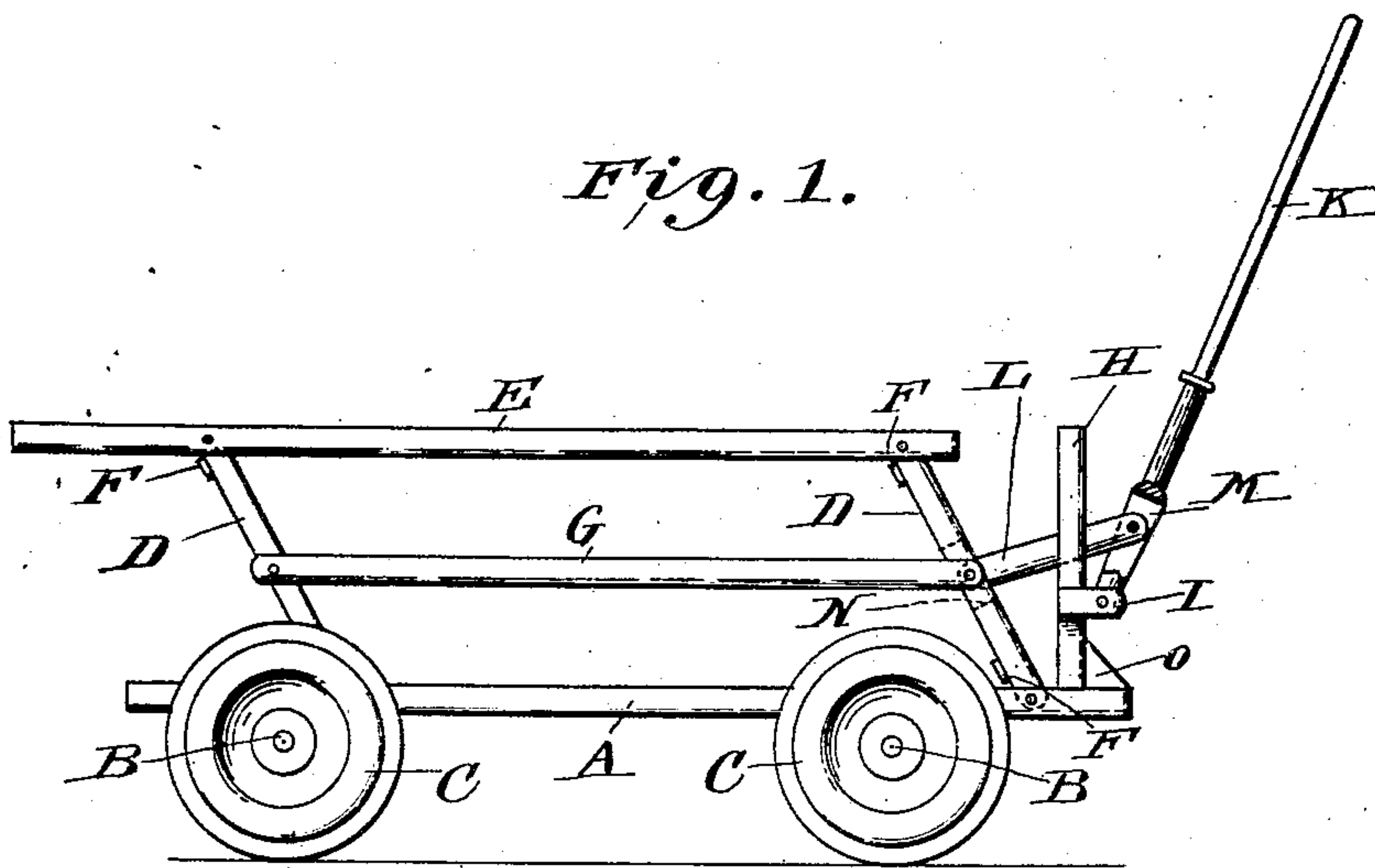


Fig. 2.

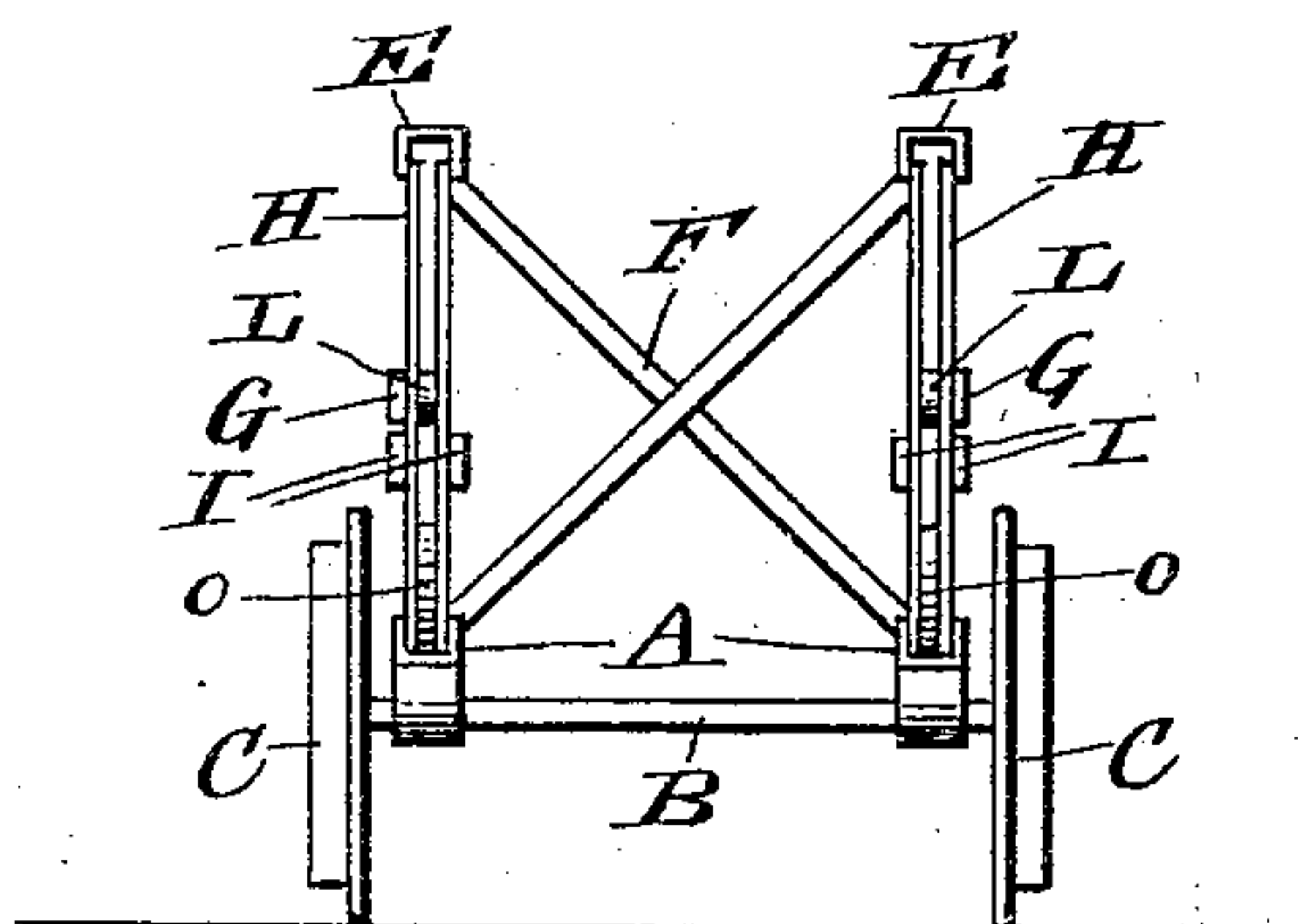
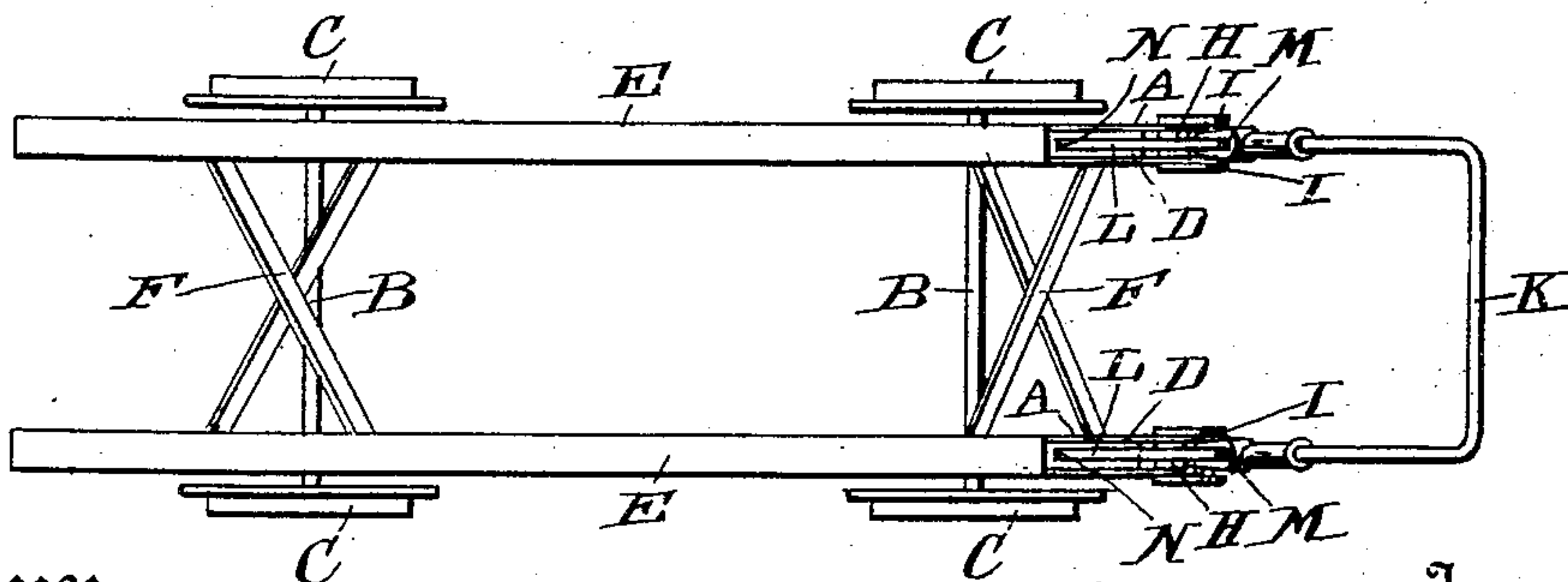


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ALEXANDER ANDERSON SCOTT, OF KNOXVILLE, TENNESSEE.

ELEVATING-TRUCK.

SPECIFICATION forming part of Letters Patent No. 711,007, dated October 14, 1902.

Application filed February 12, 1902. Serial No. 93,742. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER ANDERSON SCOTT, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented certain new and useful Improvements in Elevating-Trucks, of which the following is a specification.

My invention relates to trucks for carrying heavy loads—such as pallets of bricks, &c.—in which the platform for holding the load is adapted to be raised and lowered relative to the position of the base, and has for its objects to provide a device of the class described that is very strong and compact, that may be made quite reasonably, and has means for preventing side sway of the truck-platform while carrying the load.

Further advantages of my invention will more fully appear in the subjoined description and by reference to the accompanying drawings, in which—

Figure 1 is a side view in elevation of my invention; Fig 2, a front view with the handle removed, and Fig. 3 a top plan view.

In the drawings, in which similar reference characters indicate corresponding parts throughout the several views, A represents the beams forming the base of my invention, which are secured in any suitable manner to the axles B, and C the wheels journaled on said axles. The beams A are preferably made of channel-steel and have arms D journaled therein, to the upper ends of which are pivotally mounted channel-beams E, which constitute the platform of the truck.

F represents cross-braces connecting arms on each side of the truck in pairs, and G a rod pivoted to the arms of the truck on each side thereof and are intended to insure a simultaneous movement of the arms without subjecting them and the platform-beams E to the strain of depending on said platform-beams to insure a simultaneous movement of the arms.

Secured near the forward end of each base-beam A are two uprights H, that are spaced apart and provided with ears I. Pivoted between said ears I is a U-shaped handle or lever K.

L represents a link pivoted in a slot M in each end of the U-shaped handle K, adjacent to its pivot-point, which passes between the

pair of uprights H and is pivoted in a slot N in the front arm D on that side of the machine. It will be readily seen that when the handle K is raised toward a vertical position the platform-beams E are lowered, and when the handle K is lowered toward a horizontal position the platform-beams are raised, and the front arm D on each side of the machine finally comes to rest against the uprights H, while the extended portion of the beams E covers the top of the uprights H and the flanges thereof prevent side play of the platform-beams E.

O represents braces secured between the uprights H and to the base-beams A to add stability to said uprights H when the platform-beams are being raised.

Having thus described my invention, what I claim is—

1. In an elevating-truck, platform-beams having depending flanges, uprights at the front of the truck, said platform-beams adapted to cover the top of said uprights when the platform is raised the flanges thereof extending below the top thereof, and means to raise and lower said platform, substantially as shown and described.

2. In an elevating-truck, base-beams secured to the axles thereof, arms pivoted on said base-beams, rods connecting said arms intermediate of their ends, platform-beams pivoted to the upper ends of said arms, uprights secured to the front of said base-beams, means to raise and lower said platform-beams, and means to prevent side play of said platform-beams, substantially as shown and described.

3. In an elevating-truck, base-beams secured to the axles thereof, arms pivoted on said base-beams, platform-beams pivotally secured to the upper ends of said arms, uprights secured to the front of said platform-beams, a handle pivoted to said uprights, means to connect said handle to the arms of the platform, and means to prevent side play of the platform when in a raised position, substantially as shown and described.

4. In an elevating-truck, base-beams secured to the axles thereof, arms pivoted on said base-beams, platform-beams pivoted to the upper ends of said arms, uprights secured to the front of said platform-beams in pairs

and spaced apart, a handle pivoted to said uprights, a link journaled in said handle and one of said arms passing between said uprights, and means to prevent side play of said platform-beams, substantially as shown and described.

5. In an elevating-truck, base-beams secured to the axles thereof, arms pivoted on said base-beams, rods connecting said arms intermediate of their ends, platform-beams of channel-steel pivoted to the upper ends of said arms, uprights secured in pairs to the front of said base-beams and spaced apart, a handle pivoted to said uprights, links connecting said handle with the front arms, said platform-beams having extended front ends that are adapted to cover the top of the uprights when the platform is raised and have its flanges extend down said uprights to prevent lateral movement of the platform, substantially as shown and described.

6. An elevating-truck consisting of base-beams made of channel-steel, wheels journaled on said base-beams, arms pivoted on

said base-beams, rods connecting said arms intermediate of their ends, platform-beams of channel-steel pivoted to the upper ends of said arms the flanges of said beams depending downwardly, uprights secured in pairs to the front of said base-beams and spaced apart, ears secured to said uprights, a U-shaped handle pivoted to said uprights, a link pivoted in each end of said handle passing between said spaced-apart uprights and pivoted in a slot in one of said swinging arms, said platform-beams having extended front ends that are adapted to cover the top of the uprights when the platform is raised and have its flanges extend down said uprights to prevent lateral movement of the platform, substantially as shown and described.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

ALEXANDER ANDERSON SCOTT.

Witnesses:

ALEX McMILLAN,
H. A. HAITH.