

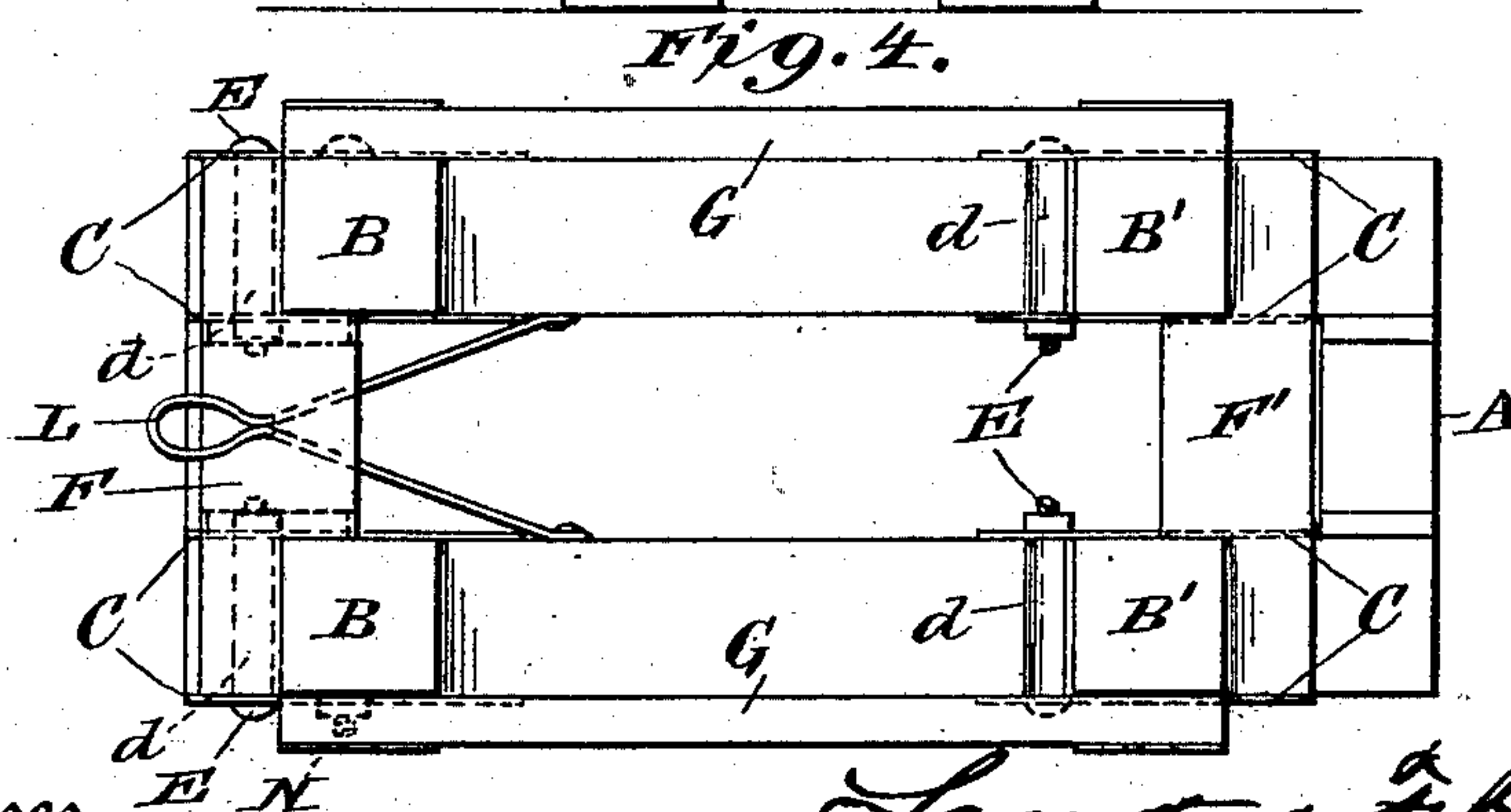
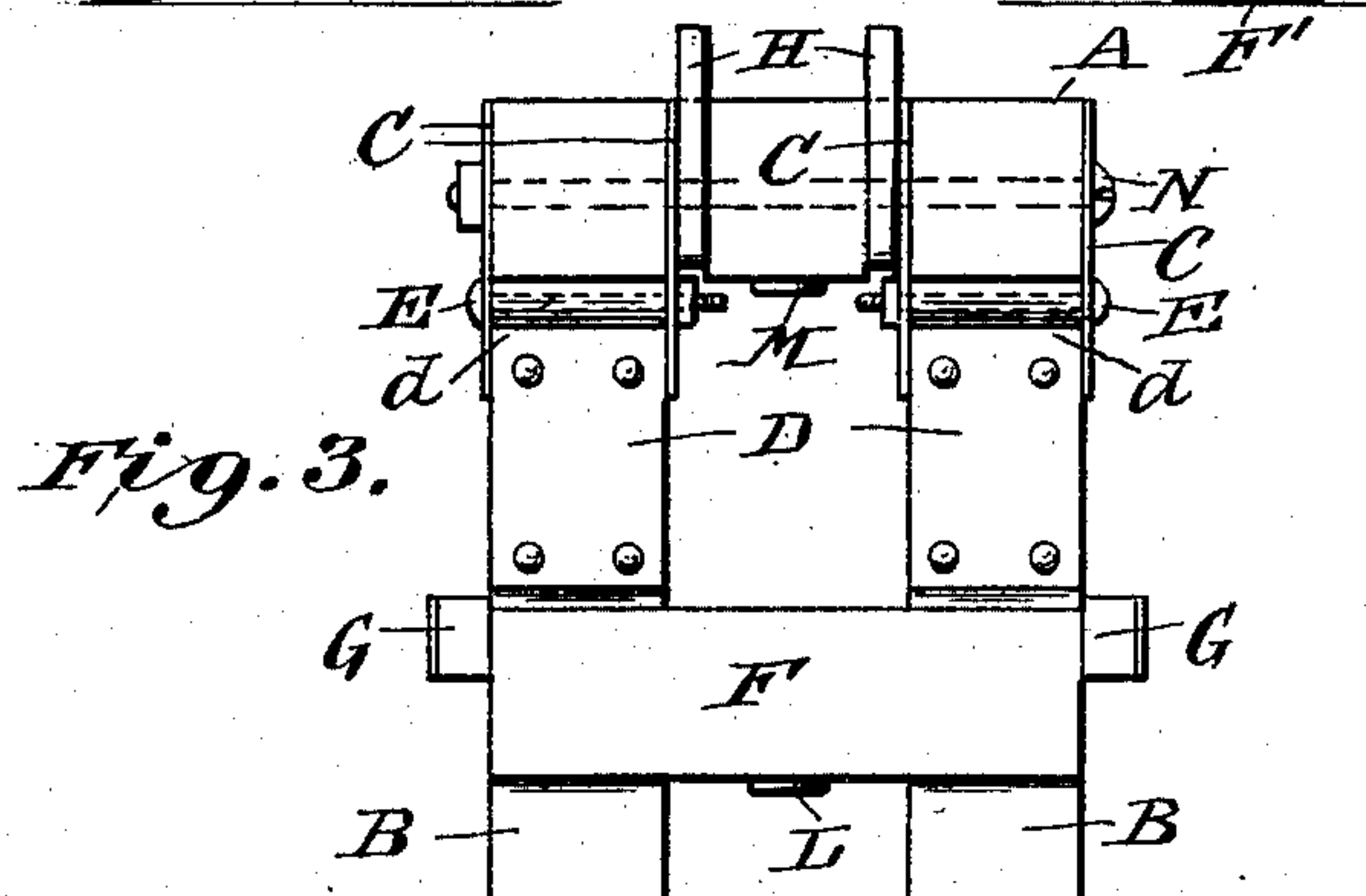
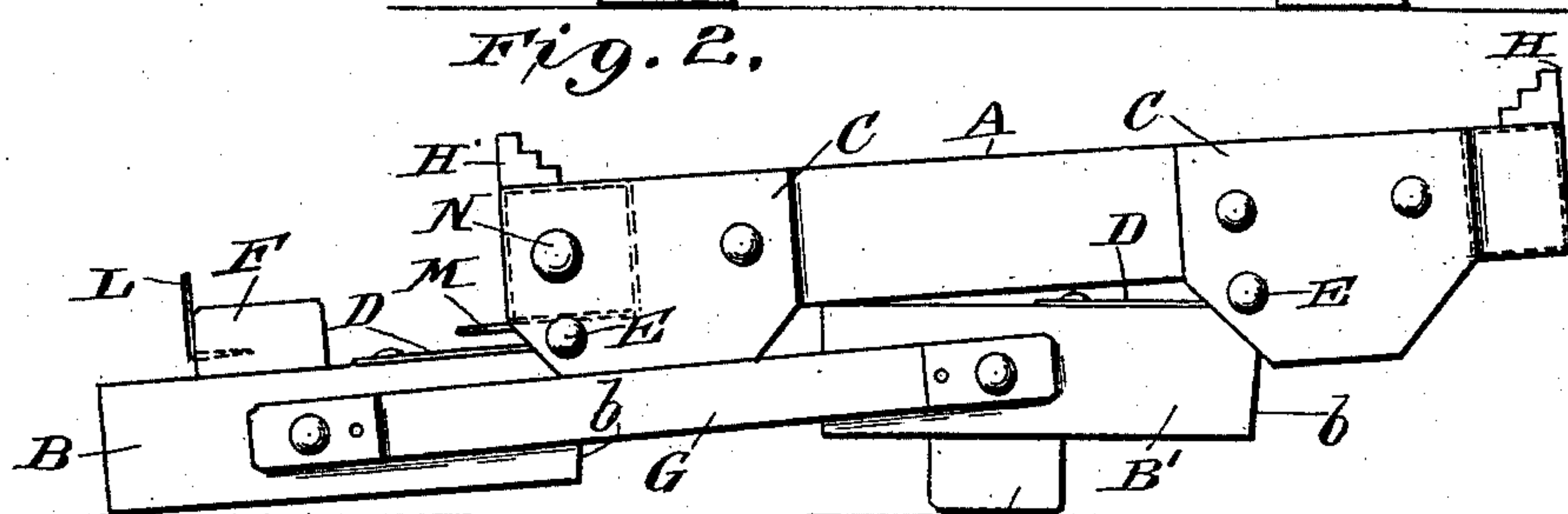
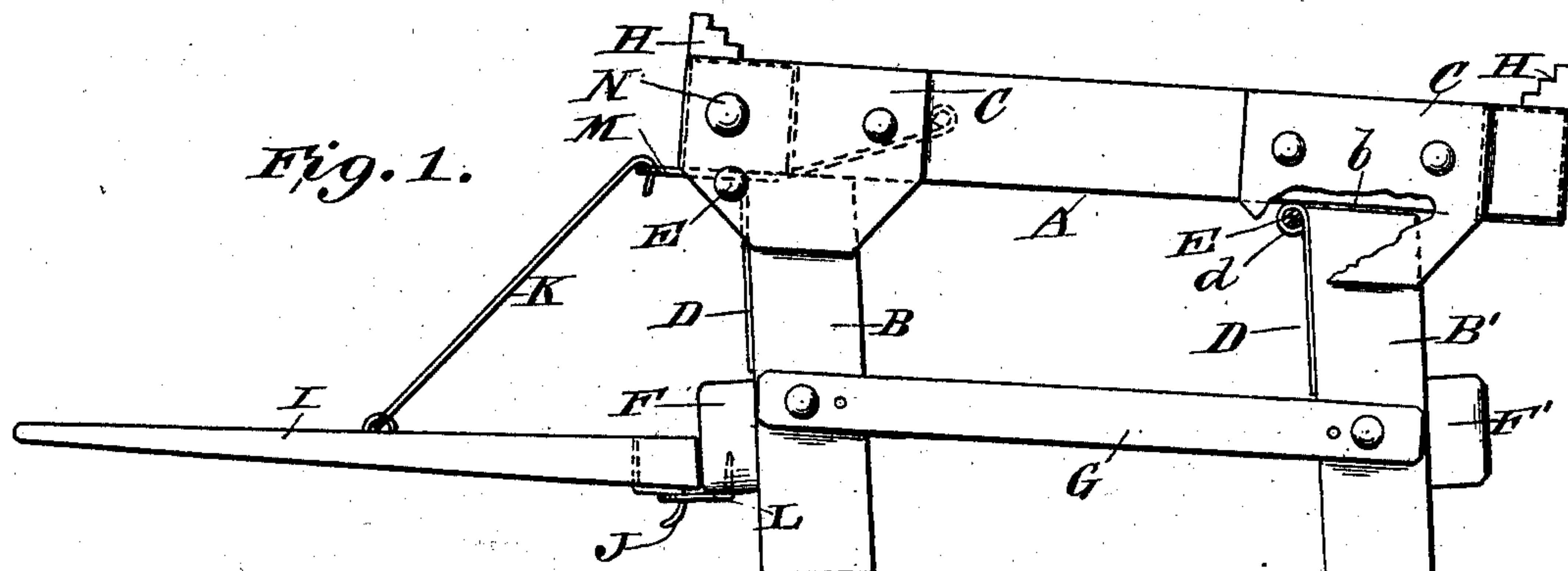
No. 679,827.

Patented Aug. 6, 1901.

L. F. BROWN.
LIFTING JACK.

(Application filed Mar. 11, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

LACORTUS F. BROWN, OF GALENA, KANSAS.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 679,827, dated August 6, 1901.

Application filed March 11, 1901. Serial No. 50,695. (No model.)

To all whom it may concern:

Be it known that I, LACORTUS F. BROWN, a citizen of the United States, residing at Galena, in the county of Cherokee and State of Kansas, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification.

The object of my invention is to provide a lifting-jack for carriages and wagons that is adapted to raise the four wheels thereof off the ground at one time, that is so strongly and substantially constructed as to be capable of lifting the heaviest wagons, together with their load, if necessary, and that is easily and cheaply constructed and simple in operation.

Referring to the drawings, Figure 1 is a view showing the device in a raised position. Fig. 2 is a side view of the device in a collapsed position; Fig. 3, an end view; Fig. 4, a bottom plan view.

Referring to the drawings, in which like letters of reference indicate like parts throughout the several views, A represents a rectangular frame made of beams. To the bottom of said frame are pivoted four legs B B B' B' in such a manner that the tops of the legs when in an upright position are directly under the side beams of the frame A. The legs B B are the same width as the side beams of the frame A and may be made slightly longer than the legs B' B', though I do not wish to be confined to this latter construction. Eight metal plates (indicated by the letter C) are secured to said side beams, one on each side of the legs, and extend partly down the sides of the legs and are intended to prevent the sagging of the device to either side by bracing the rectangular frame A and the legs B. On the side of each leg is secured a metal plate D, that is curled over to form an eye *d* at the upper edge of the leg to receive a bolt E, that passes through the plates C, thus forming a very substantial hinge. The upper edge of each leg B is provided with a slanting edge *b*, which is intended to throw the rectangular frame past the center of gravity, and thus prevent it falling back when in a raised position by reason of the weight of the wagon. To further add rigidity to the legs are provided braces F F', connecting the legs B B and B' B', respectively, at the ends

of the rectangular frame and fixed rigidly thereto, while to insure uniformity of movement of the legs while the device is being operated are provided bars G G, pivotally secured to each side pair of legs.

Four notched blocks (lettered H) are secured in any suitable manner, as by bands passing around the beams, bolts, &c., to the upper part of the frame A to receive the axles of the vehicle to prevent its sliding off the jack.

A lever I, having a hook J at one end and a hooked bar K loosely hung from the side of the lever opposite the hook, is used in operating the jack, the hook J being inserted in a loop L on the brace F, and the hooked end of the bar K is inserted in a loop M, secured on the end of the frame A. To add strength to the frame A is provided a bolt N, that passes through the frame at the end on which is fixed the loop M.

The operation is as follows: The device being in the collapsed position, (shown in Fig. 2,) the wagon or carriage to be raised is run over it with the wheels on each side of the frame A. The lever I is then attached by the hook J and hooked bar K to the loops L and M, respectively, as hereinbefore described, and by pulling down on the lever I the frame A is raised to an upright position, resting on the top of the legs B B B' B', the slanting edge of top preventing the device from returning to its collapsed position unless a hard push is exerted when it is desired to return the wheels to the ground.

I do not wish to be limited to the exact construction as herein shown and described, as the same may be altered somewhat without departing from the spirit of my invention.

Having thus described my invention, what I claim is—

1. In a lifting-jack, a rectangular frame, and legs pivoted at one of their top edges to said frame, the ends of which are directly under the frame, all of said legs being pivoted to the frame on corresponding edges of the tops of said legs, substantially as shown and described.

2. In a lifting-jack, an open rectangular frame comprising side and end beams, legs pivoted to the bottoms of said side beams at corresponding edges of the tops thereof, and metal plates secured to each side of said beams

and extending partly down the sides of said legs, substantially as shown and described.

3. In a lifting-jack, an open rectangular frame comprising side and end beams rectangular in cross-section, and legs having slanting tops pivoted to the bottom of said side beams, all of said legs being pivoted to swing in the same direction, as and for the purpose shown and described.

4. In a lifting-jack, a rectangular frame comprising side beams and end beams, legs having slanting tops pivoted to the bottom of said side beams, said legs being of equal width with said side beams, and plates depending from each side of said side beams, as and for the purpose shown and described.

5. In a lifting-jack, a rectangular frame, legs having slanting tops pivoted to the bottom of the side beams of said frame, all of said legs swinging in the same direction, braces on said legs, a loop on said frame, a loop on one of said braces, and a lever adapted to engage said loops, as and for the purpose shown and described.

6. In a lifting-jack, a rectangular frame, notched blocks affixed to the top thereof, legs

pivoted to the bottom thereof, and plates depending from said frame to brace said legs, substantially as shown and described.

7. In a lifting-jack, a rectangular frame, legs pivoted thereto, metal plates secured to one side of each leg, the upper end of each plate curled over to form an eye, metal plates depending from said frame, and bolts passing through said plates and said curled-over portions of said legs, as and for the purpose shown and described.

8. In a lifting-jack, a rectangular frame, notched blocks affixed to the top thereof, legs having slanting tops pivoted to the bottom thereof, metal plates depending from said frame, loops on said frame and a brace connecting two of the legs, and a lever having hooks adapted to be inserted in said loops, as and for the purpose shown and described.

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

LACORTUS F. BROWN.

Witnesses:

D. F. CALHAM,
F. P. COE.