

(No Model.)

F. A. MOORE.
RAILWAY OIL BOX JACK.

No. 522,762.

Patented July 10, 1894.

Fig. 1

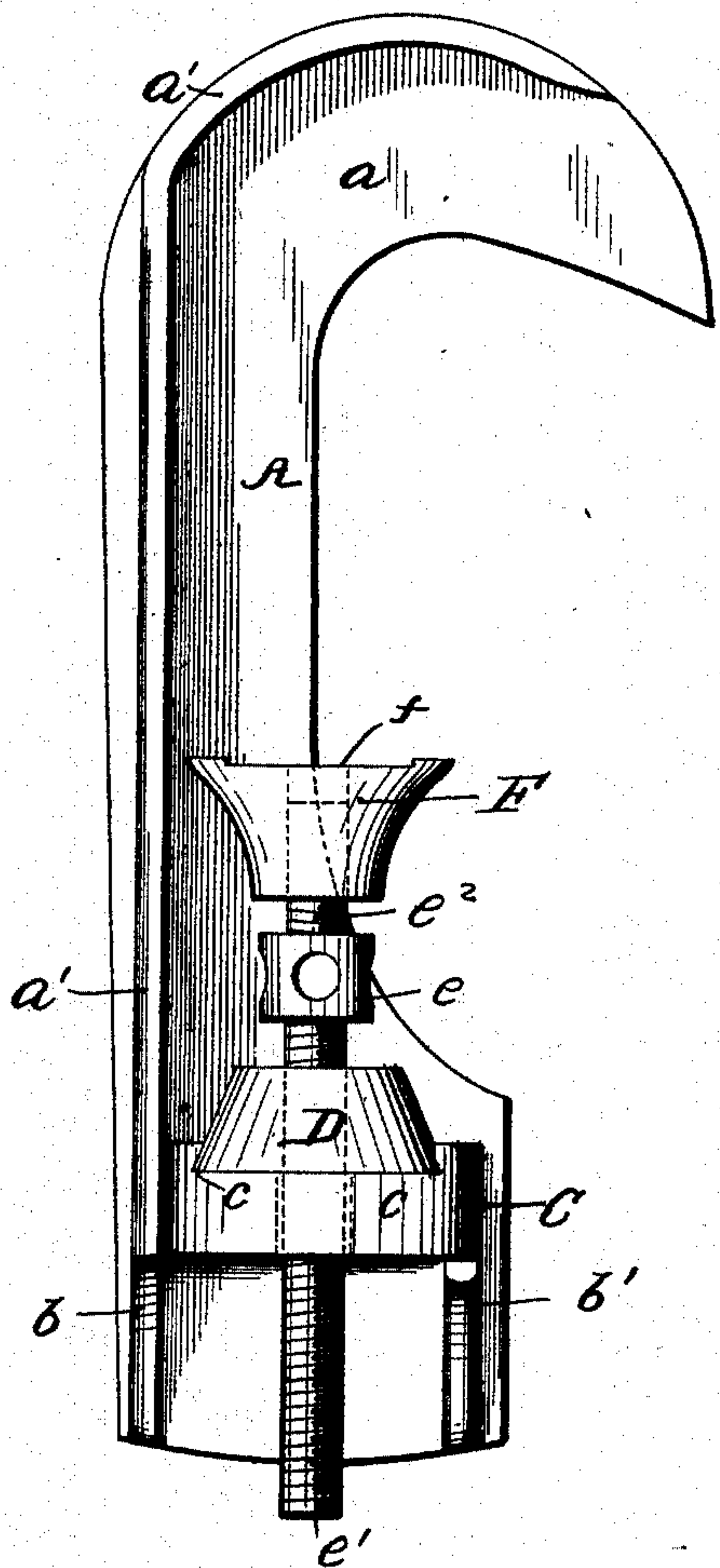


Fig. 2.

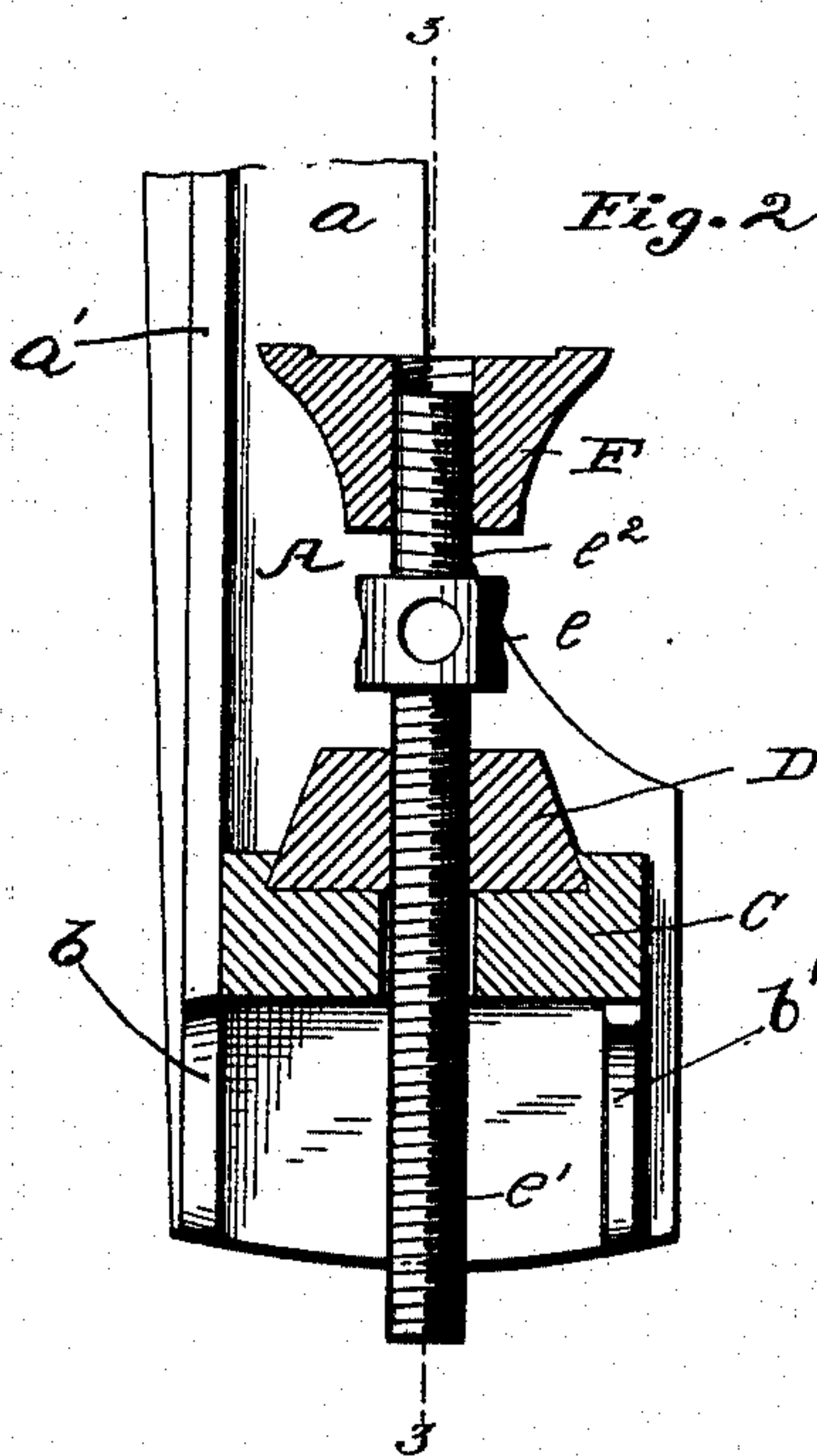
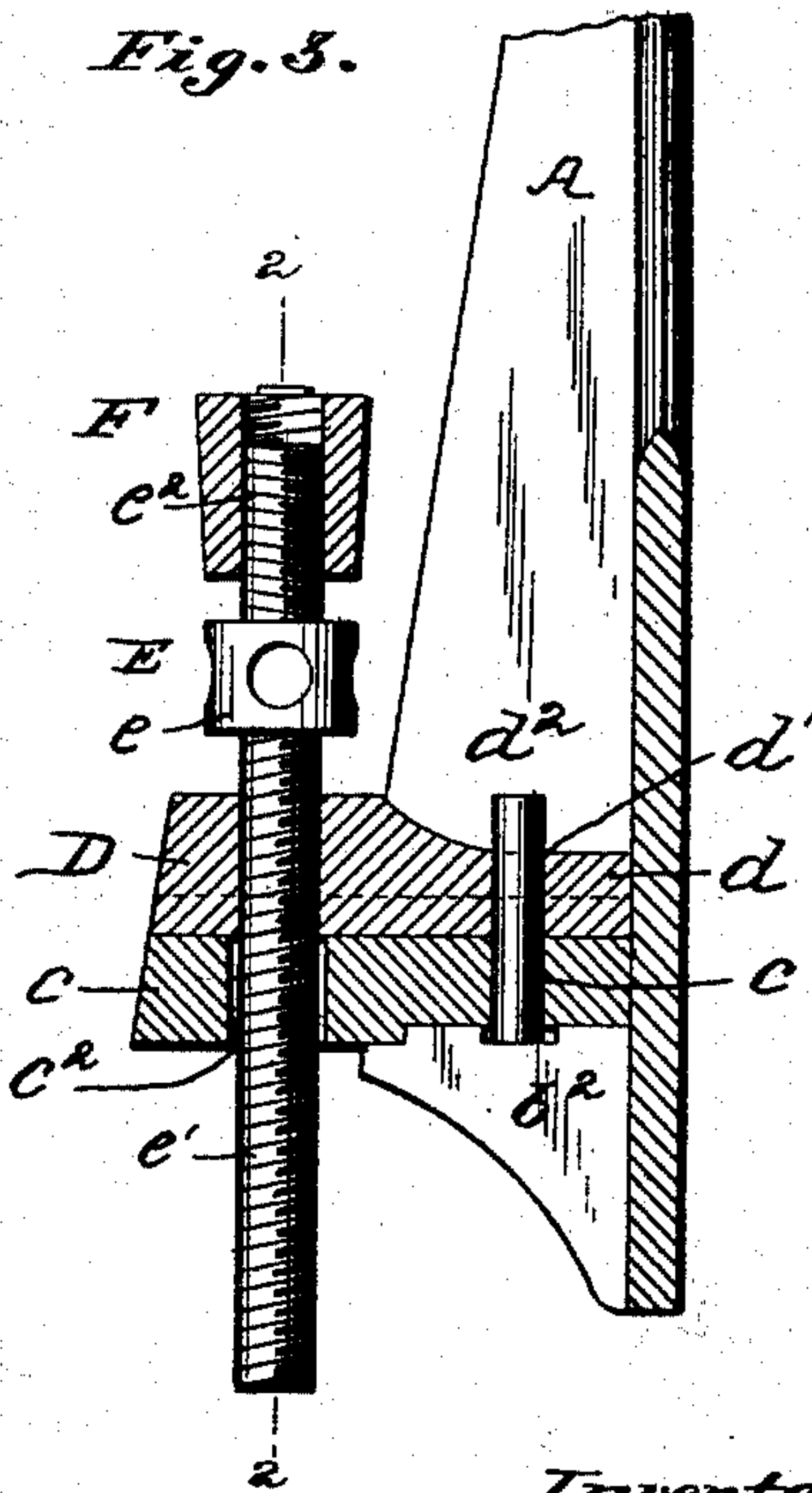


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANCIS A. MOORE, OF TYLER, TEXAS, ASSIGNOR OF ONE-THIRD TO JAMES JOSEPH ROBINSON, OF SAME PLACE.

RAILWAY OIL-BOX JACK.

SPECIFICATION forming part of Letters Patent No. 522,762, dated July 10, 1894.

Application filed March 29, 1894. Serial No. 505,583. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS A. MOORE, a citizen of the United States, residing at Tyler, in the county of Smith and State of Texas, have invented certain new and useful Improvements in Railway Oil-Box Jacks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is a new "railway oil box jack," which I claim to be an improvement over all others for the same purpose, owing to its simplicity, durability and efficiency in its work. It is more easily applied and quicker in its results; and consists in the novel construction and arrangement of its parts, hereinafter set out in this specification and the claims thereunto attached.

In the accompanying drawings: Figure 1 is an elevation of my invention. Fig. 2 is a view of the lower part, part in section and partly in elevation looking at the front of the invention. Fig. 3 is a view of the lower part, part in section and partly in elevation looking at the side of the invention.

My invention is described as follows:

A, is a plate the top part a , of which is the hook. Said plate is provided with the flange a' , to strengthen it. The lower end of said flange widens into a bracket b , which, in conjunction with the bracket b' on the opposite edge of said plate and the bracket b^2 , in the center thereof, forms a rest for the base block C. Said base block C, is provided with a horizontal dove-tail slot c, c , and through the inner end of said block is a perforation c' . In the said dovetail slot is fitted a nut D, having a neck d , provided with a perforation d' , which registers with the perforation c' , and through these perforations is inserted a pin d^2 , so that said nut may be removed at any time, repaired or replaced by a new one when necessary.

The jack screw E, is provided with a lever-head e , and right and left threaded screws e' , and e^2 . The lower end e' , of said jack screw turns in the nut D, and passes through a perforation c^2 , in the base C. On the upper end of said screw works a head-nut F, provided with a recess f . Said head-nut F, is

made so as to engage the bottom tie bar of the truck under the oil box, and said recess is made so as to fit said tie bar and prevent said head-nut from turning

The jack hangs on the axle between the oil box and the wheel, by the hook a , the bottom merely resting against the bottom edge of the wheel, but does not lift upon the wheel at all.

The head-nut F, is set so to come directly under the oil box, giving a square lift.

The jack is double acting having right and left nuts, while the jack screw E, is provided with corresponding right and left threads.

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

1. A "hoisting jack," consisting of a plate, provided at its upper end with a hook to fit over the axle of a car, and having secured to its lower end a base, on the upper face of which is a dovetail groove; a nut fitting in said dovetail groove and held in place by any suitable means; a nut adapted to work under the oil box to raise the same; a jack screw provided with upper and lower threaded ends, the threads thereon being right and left in respect to each other, and respectively fitting in the lower and upper nuts, substantially as shown and described and for the purposes set forth.

2. A "hoisting jack," consisting of the plate A, provided with the hook a , flange a' , brackets b, b' , and b^2 ; base C, supported by said brackets and provided with the dovetail groove c, c , and perforations c' , and c^2 ; nut D, fitting in the said dovetail groove c, c , and provided with the neck d , having the perforation d' ; pin d^2 , fitting in said perforations c' , d' ; jack screw E, provided with the lever-head e , and right and left threaded screws e' , e^2 ; head-nut F, working on the threaded end e^2 , of said screw and provided with recess f , substantially as shown and described and for the purposes set forth.

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

FRANCIS A. MOORE.

Witnesses:

E. M. HANNA,
I. N. CROSS.