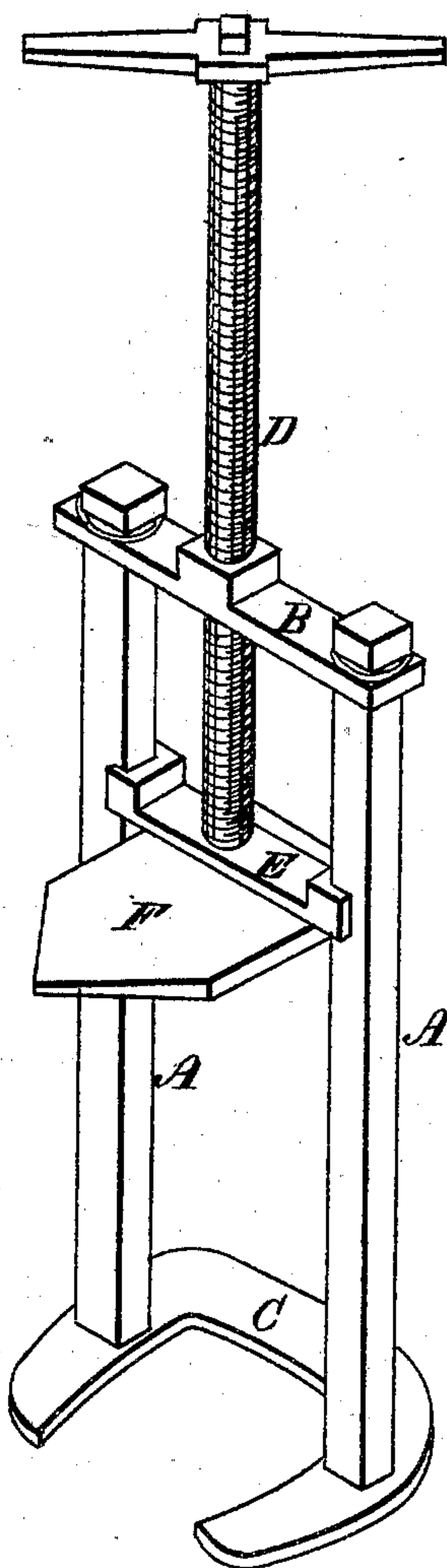


H. Patterson,
Lifting Jack
N^o 66,170. Patented June 25, 1867.



Witnesses.

J. D. Stockley
A. A. Yeatman

Inventor.

Hudson Patterson
per Alexander H. Mason
A. H. Mason

United States Patent Office.

HUDLESON PATTERSON, OF AUGUSTA, MICHIGAN.

Letters Patent No. 66,170, dated June 25, 1867.

IMPROVED TRACK-RAISER FOR RAILWAYS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HUDLESON PATTERSON, of Augusta, in the county of Kalamazoo, and in the State of Michigan, have invented certain new and useful Devices for Elevating Railroad Tracks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, A A represent two uprights, which, together with all the other parts of the machine, are made of metal. The upper ends of these uprights are provided with screw-threads, over which pass nuts to confine in position the cross-bar B. C represents a bar, bent or shaped as represented, somewhat in the form of a horse-shoe, which serves as a base for the uprights, and into which their lower ends are riveted. E represents a sliding-bar, which is provided with jaws which embrace the uprights A A, to keep it in proper position. F represents a strong plate, which is firmly secured to the bar E. This plate has one end pointed and flattened as is represented. D represents a screw-shaft, which passes through a female screw in cross-bar B, and which has its lower end firmly secured in the slide-bar E, but in such a manner that it will turn in said slide. The shaft D is provided at its upper end with a handle, by means of which it is turned. The bar C is made so as to receive the plate F between its parts when said plate is lowered to it.

This little machine is intended for raising up the cross-ties on railroads which are to be chocked, in order that the track may be made higher or levelled.

This is effected by standing this machine near the end of the tie to be raised, lowering plate F by means of shaft D, driving its pointed end under the tie, and then elevating the plate again by means of the screw-shaft. The tie is raised as high as required upon the end of the plate, and then it is chocked. One man can, with this machine, do work which requires two or three men to do upon the old plan. As soon as one tie is raised and chocked, the machine is carried to the next tie requiring raising, which is raised in like manner.

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

The arrangement of the pointed sliding-shoe F, upon the end of the screw D, between the uprights A A, having a curved base, C, and used for elevating railroad tracks in the manner as specified.

In testimony that I claim the foregoing device for elevating railroad tracks, I have hereunto set my hand and seal this 29th day of December, 1866.

HUDLESON PATTERSON.

Witnesses:

J. M. MASON,

JAY PHETTEPLACE.