(No Model.)

B. F. HAZELTON & P. H. MACK.

RAILROAD TRACK JACK.

No. 345,844. Patented July 20, 1886.

Fig 1

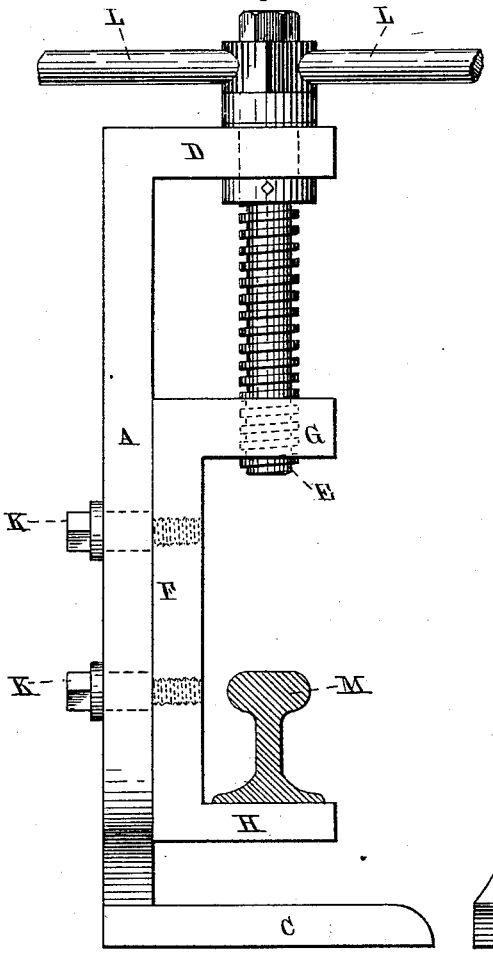


Fig 2

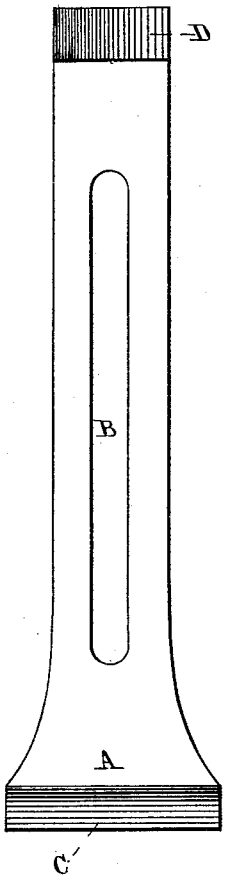
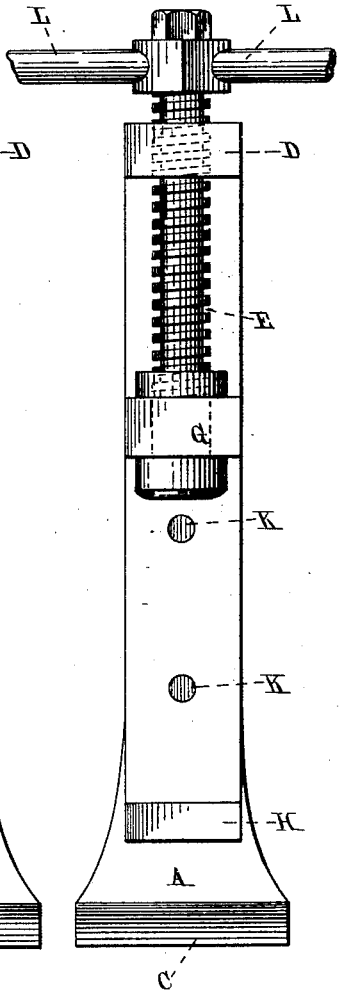


Fig 3



WITNESSES

E. C. Wurdeman.

E. E. Masson

INVENTORS

Benjamin F. Hazelton

Patrick H. Mack

By their Attorney

James C. Boyce

UNITED STATES PATENT OFFICE.

BENJAMIN F. HAZELTON AND PATRICK H. MACK, OF BRADFORD, PA.

RAILROAD-TRACK JACK.

SPECIFICATION forming part of Letters Patent No. 345,844, dated July 20, 1886.

Application filed July 11, 1885. Serial No. 171,340. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN F. HAZELTON and PATRICK H. MACK, citizens of the United States, residing at Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Railroad-Track Jacks; and we 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.

The object of our invention is to provide a jack by which a portion of a railroad-track can be elevated so as to be brought up to grade, and held in position until it can be properly ballasted or permanently propped.

In the drawings, Figure 1 is a side view of our improved jack with the swivel in the top of the frame. Fig. 2 is an end view of the main frame. Fig. 3 is an end view of our improved jack, with the swivel at the end of the screw.

A is the main frame, the upright of which may be made of one-and-one-fourth inch by four-inch wrought-iron, having a slot, B, about one and one-eighth inch wide by sixteen inches long, having a foot, C, about seven inches wide by about nine inches long, and a right angle, D, at the top about six inches long. The piece D is pierced with a hole for the passage of the screw E, which may be swiveled in D, as in Fig. 1, or a screw-thread may be cut therein, as in Fig. 3. A movable frame, F, having a projecting arm, G, and a projecting base, H, is placed on the inside of the main frame A, and the set-screws K K pass through the slot B and screw into the movable frame F. Rotation of the screw E by means of the lever L will raise or depress the movable frame F relatively to the main frame A.

The projecting arm G is one and three-fourths inch thick by four inches wide, and the rest of the movable frame F and the base H is made of iron one and one-eighth by four inches.

The set-screws K are seven-eighths of an inch in diameter at the screw-threaded portion, which screws into the part F, and the plain portion which slides in the slot B is one and one-eighth inch in diameter.

The sizes given are only to indicate about the proper dimensions. They may be varied from to any desired extent.

When it is wished to use our jack, the screw E is rotated and the movable frame F dropped down until the part H rests on the part C, or as far down as may be necessary. The bases H and C are then pushed under the rail M, and the movable frame F G H is then elevated by means of the screw E until it is at the desired height. It is held there until it is propped in the usual way.

Of course it is necessary that the screw E should have a nut either at top or bottom, and be swiveled at one or the other, it is immaterial which; but when the swivel is at the bottom, as in Fig. 3, the screw rises with the rail, and therefore the rail can be lifted higher than when, as in Fig. 1, the swivel is at the top, and the screw does not rise with the load.

What we claim as our invention is—

The combination, with a fixed frame formed with a longitudinal slot, B, and with angle-arms C and D, of a movable frame consisting of the parts F, G, and H, secured by set-screws to the fixed frame, and a screw swiveled at one end, substantially as described.

BENJAMIN F. HAZELTON.
PATRICK H. MACK.

Witnesses:
JAMES C. BOYCE,
KENTON SAULNIER.