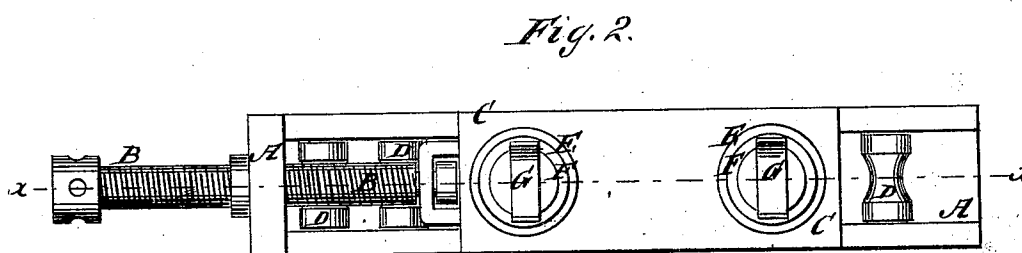
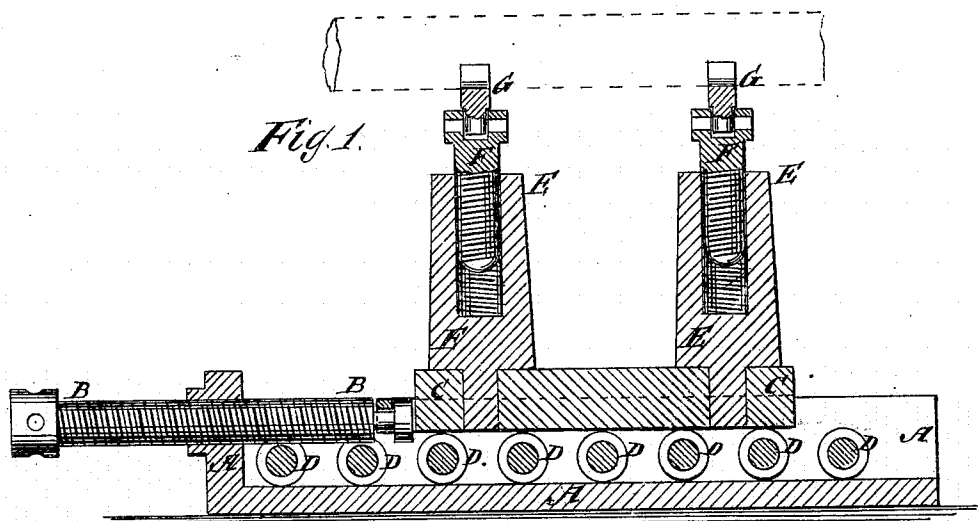


W. C. TAYLOR & R. VAMPILL.

COMPOUND ENGINE JACK.

No. 178,390.

Patented June 6, 1876.



WITNESSES:

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WILLIAM C. TAYLOR AND RUDOLPH VAMPILL, OF MULLINS, S. C.

IMPROVEMENT IN COMPOUND ENGINE-JACKS.

Specification forming part of Letters Patent No. **178,390**, dated June 6, 1876; application filed May 16, 1876.

To all whom it may concern:

Be it known that we, WILLIAM C. TAYLOR and RUDOLPH VAMPILL, of Mullins, Marion county, and State of South Carolina, have invented a new and Improved Compound Engine-Jack, of which the following is a specification:

In the accompanying drawing, Figure 1 is a vertical longitudinal section of our improved jack, taken through the line X X, Fig. 2; and Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved jack, by means of which an engine may be raised vertically, and then moved laterally to place it upon the rails, and which shall be simple in construction and convenient in use.

Our invention consists in the combination of the box, open at the top and one end, the horizontal screw, the sliding block, the rollers, the posts, and the vertical screws, provided with swiveled heads, with each other, as hereinafter fully described.

In the annexed drawing, A is a cast-iron box, open at the top and at one end, and in the closed end of which is formed a screw-hole to receive a screw, B. The screw B is operated by means of a wrench or other lever applied to its outer end. The forward end of the screw B is swiveled to the end of the iron block C, so that the said block C may be moved back and forth by turning the screw B. The block C, or its lower part, fits into the box B, and rests upon the rollers D, placed within said box, so that it may be moved

easily, even when supporting a great weight. Into the upper side of the block C, near its ends, are screwed, or to it are otherwise attached, two posts, E, the upper parts of which are perforated longitudinally with screw-holes, into which are screwed screws F, which are turned by a wrench or other convenient power, and to the upper ends of which are swiveled cross-heads G, having half-round notches formed in their upper sides. Several posts, E, of different lengths should be provided to avoid the necessity of blocking up the jack.

In using the device, it is placed beneath and parallel with the drive-axle of the engine, and the screws F are turned up until the heads G come in contact with the drive-axle and raise it enough to let the wheels pass over the rails. The screw B is then turned, moving the engine laterally, until the wheels are over the rails. The screws F are then turned down, lowering the said wheels upon the rails.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the box A, open at the top and one end, the screw B, the sliding block C, the rollers D, the posts E, and the screws F, provided with the swiveled heads G, with each other, substantially as herein shown and described.

WILLIAM C. TAYLOR.
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Witnesses:

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