

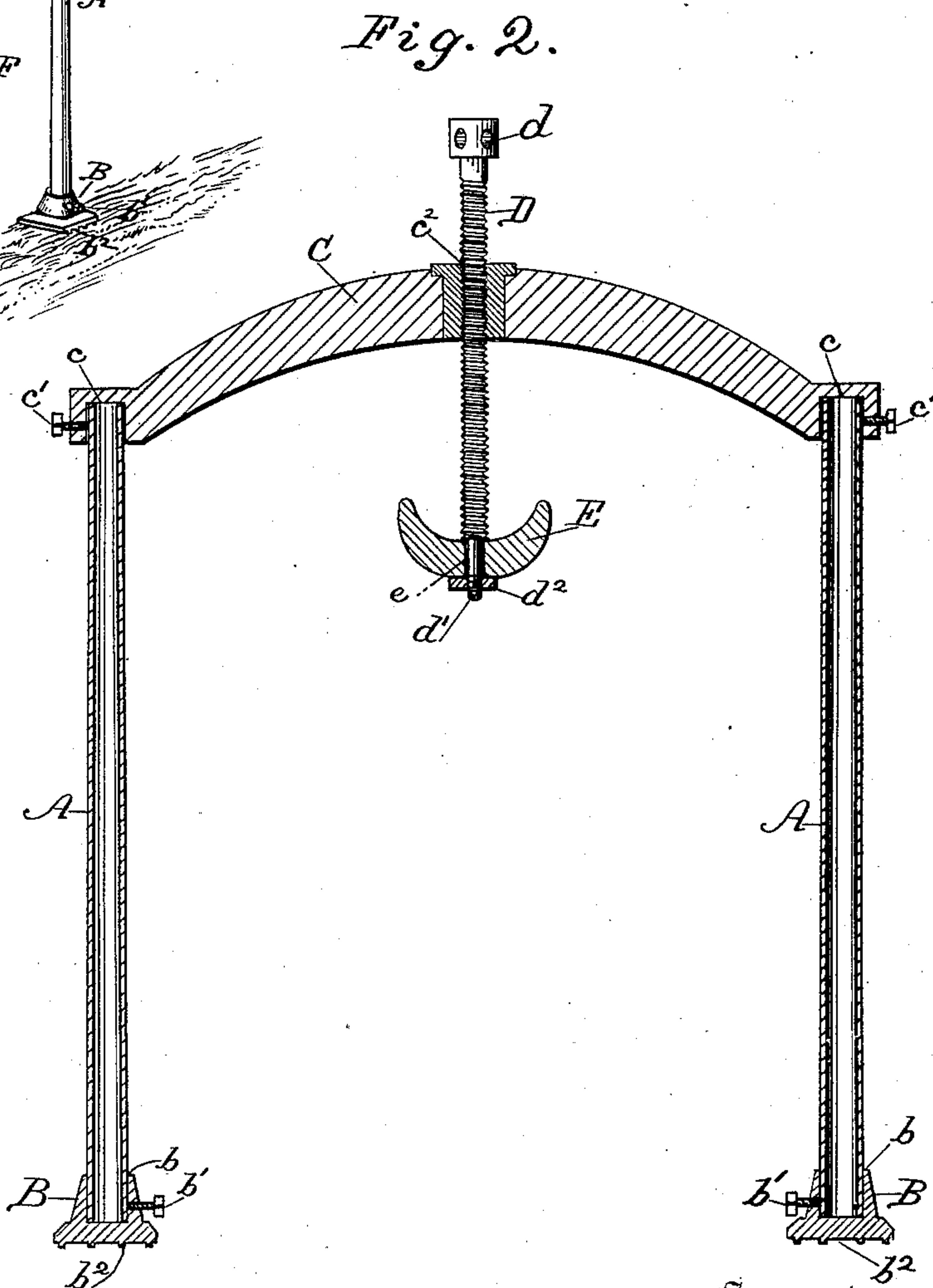
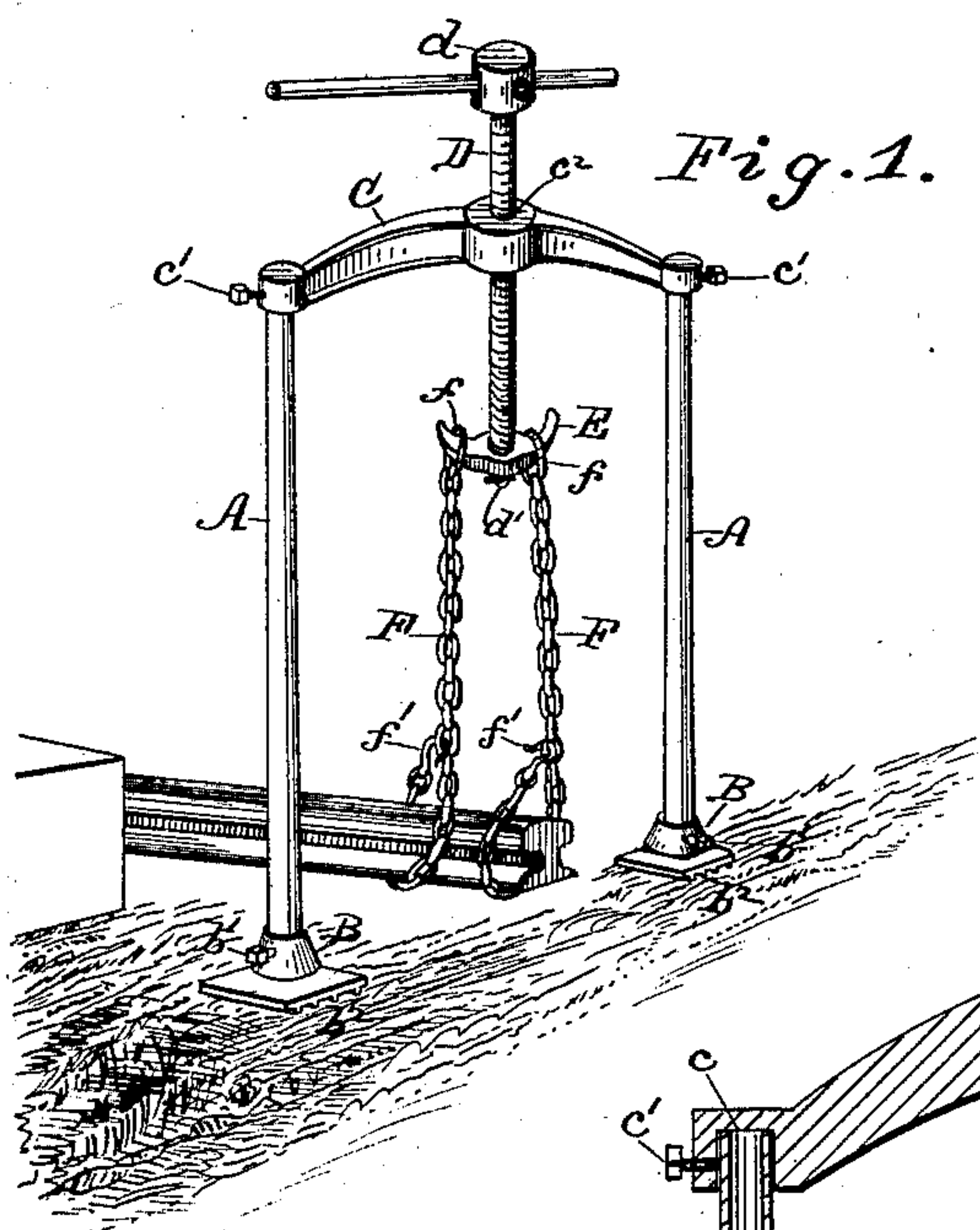
(No Model.)

J. B. LATSCHAW.

TRACK RAISER.

No. 362,163.

Patented May 3, 1887.



Witnesses
Thos. Houghton.
Frank B. Marlow.

Inventor
Jacob B. Latschaw,
By his Attorney Wm. Conrad.

UNITED STATES PATENT OFFICE.

JACOB B. LATSCHAW, OF DURAND, WISCONSIN.

TRACK-RAISER.

SPECIFICATION forming part of Letters Patent No. 362,163, dated May 3, 1887.

Application filed February 24, 1887. Serial No. 228,713. (No model.)

To all whom it may concern:

Be it known that I, JACOB B. LATSCHAW, a citizen of the United States, residing at Durand, in the county of Pepin and State of Wisconsin, have invented certain new and useful Improvements in Track-Raisers; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to track-raisers operated by means of a jack-screw set vertically in the frame of the machine; and its objects are, first, to enable the machine to be readily taken apart for purposes of transportation or storage, and, second, to adapt it to the raising of bridge-stringers equally with its primary function. These objects I attain by mounting the jack-screw in a frame-work whose parts are made detachable from and attachable to each other by means of sockets and set-screws and by attaching the lifting chain or chains to an up curving shoe turning freely on the jack-screw, all as hereinafter described.

In the accompanying drawings, wherein like letters represent like parts, Figure 1 is a general perspective view of the machine, and Fig. 2 a sectional view thereof taken longitudinally through the centers of the feet, standards, cross-head, and jack-screw.

A A are standards (preferably tubular) fitting at one and either end into the annular sockets $b\ b$ upon the feet B B, and tightened therein by the set-screws $b'\ b'$, and fitting at the other and either end into the annular sockets $c\ c$, formed in the cross-head C, and tightened therein by set-screws $c'\ c'$. The feet

B B have corrugated soles $b^2\ b^2$, to give them a firmer hold upon their supports when the machine is in operation.

The jack-screw D works in a threaded socket, c^2 , formed in the cross-head C. Its head is provided with sockets $d\ d$ for the insertion of lever-bars to operate the machine. At the lower end a spindle, d' , is formed, upon which turns a shoe, E, said shoe having an orifice, e , for the insertion of the spindle. The shoe is detachably kept in place by means of a nut, d^2 , screwing upon the spindle, or by any other suitable and familiar means. The pivot arrangement of the shoe enables it to be set at any plane angle toward the rail or stringer to be lifted.

Chains F F, provided with rings $f\ f$ and hooks $f'\ f'$, fit upon the toes of the shoe E, and are passed under the rail or stringer, as the case may be, it being in contemplation to use but one chain in ordinary track-lifting.

I am aware that track-raisers and other similar machines are now operated by means of a jack-screw set vertically; hence I do not claim such a device, broadly; but

I claim as follows:

The combination, in a track-raiser, of standards A, with the feet B, having sockets b , set-screws b' , and corrugated soles b^2 , the cross-head C, having sockets c , set-screws c' , and screw-socket c^2 , the jack-screw D, having lever-holes d and spindle d' , the shoe E, with orifice e , and the chains F, with rings f and hooks f' , in the manner and for the purposes described.

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

JACOB B. LATSCHAW.

Witnesses:

F. H. BOEHRER,
P. W. GOODRICH.