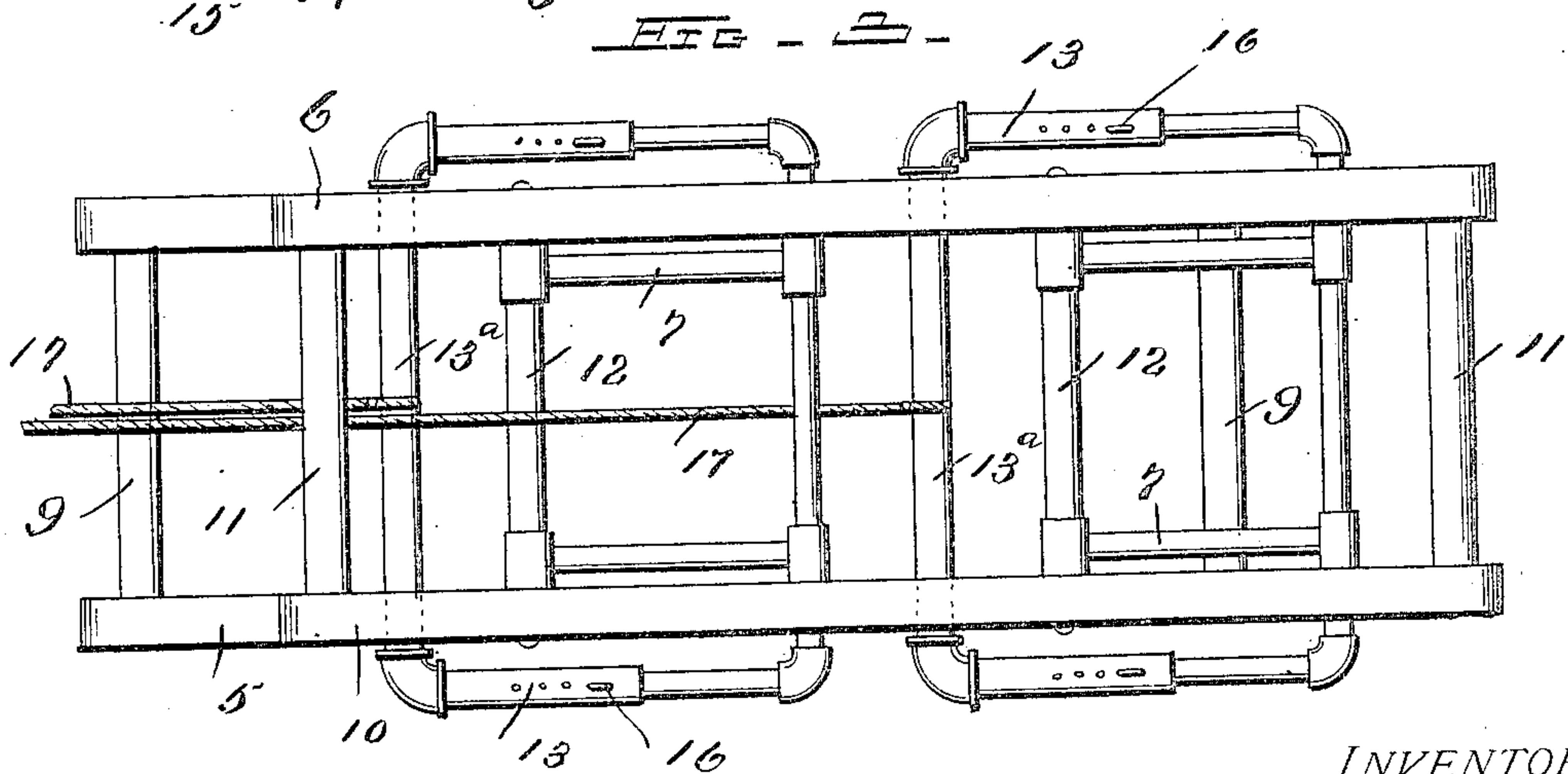
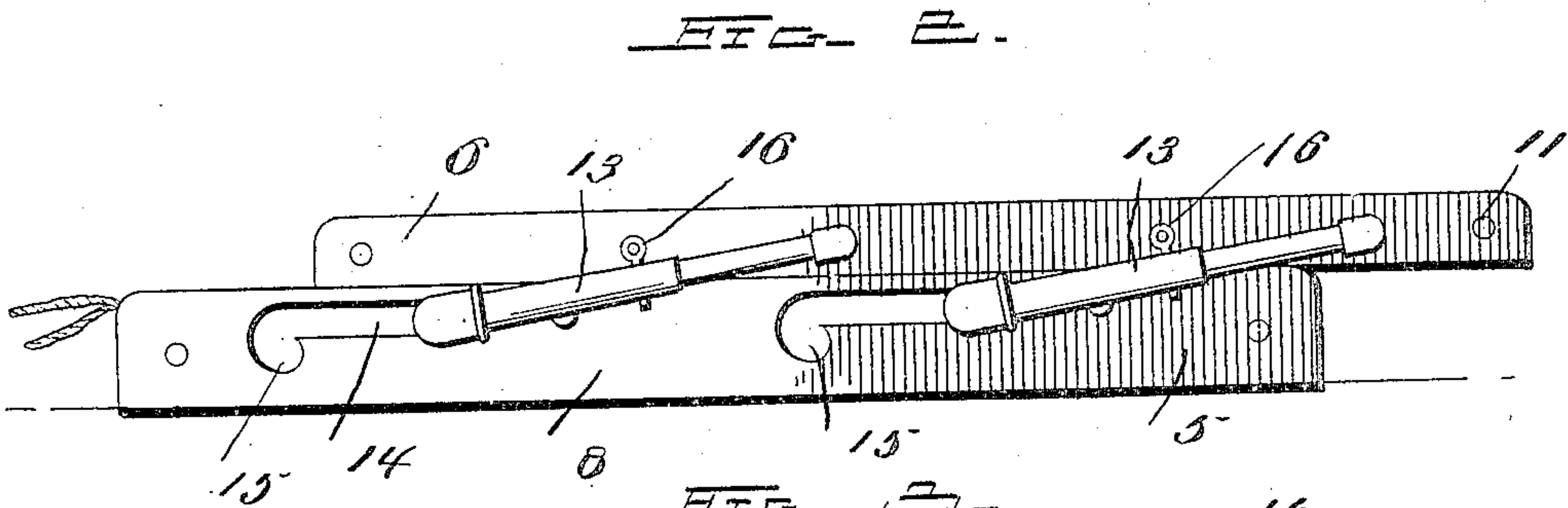
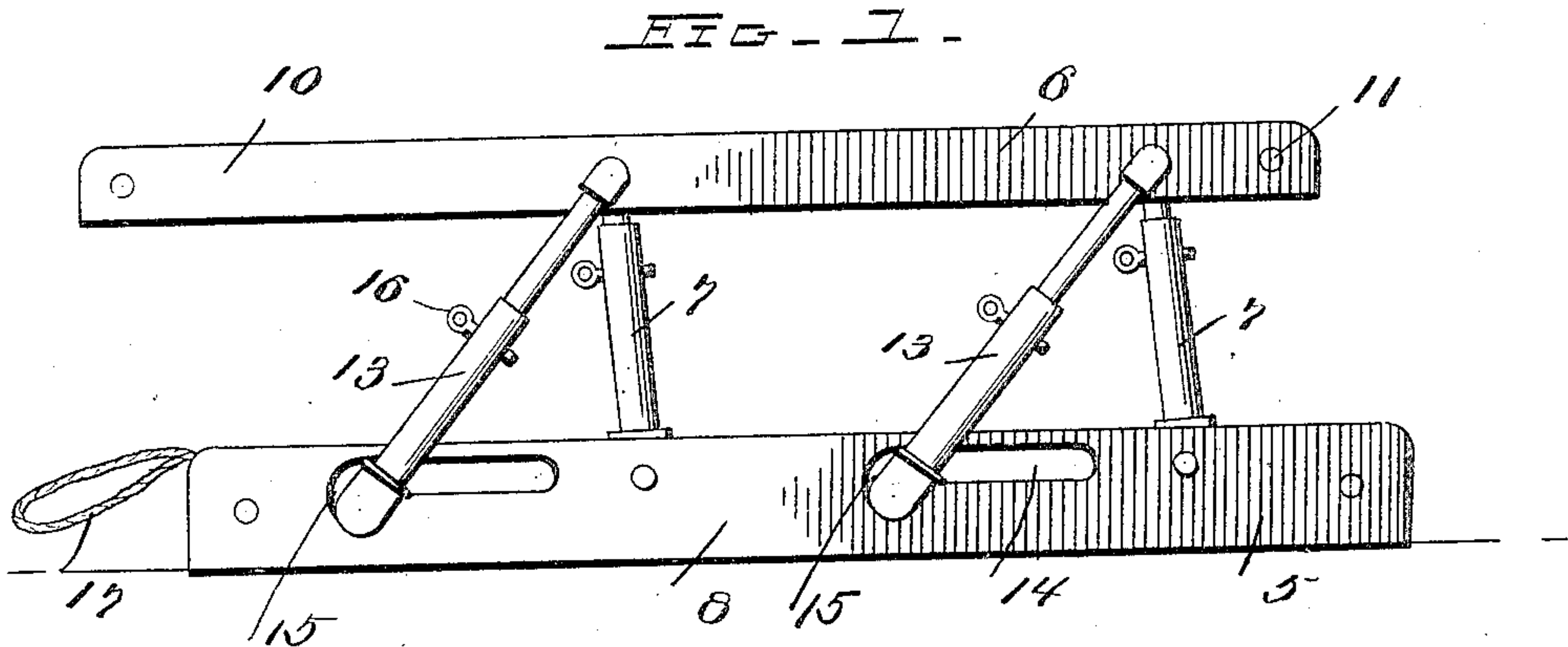


No. 804,771.

PATENTED NOV. 14, 1905.

C. M. SAWYER.
LIFTING JACK.

APPLICATION FILED JULY 11, 1905.



WITNESSES:

W. F. Kaye.

M. Schmidt

INVENTOR

Charles M. Sawyer,

BY M. B. Stevens & Co.

Attorneys,

UNITED STATES PATENT OFFICE.

CHARLES M. SAWYER, OF FOND DU LAC, WISCONSIN.

LIFTING-JACK.

No. 804,771.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed July 11, 1905. Serial No. 269,172.

To all whom it may concern:

Be it known that I, CHARLES M. SAWYER, a citizen of the United States, residing at Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented new and useful Improvements in Lifting - Jacks, of which the following is a specification.

My invention is a lifting-jack, and more particularly an implement of this kind for elevating a vehicle from the ground; and it has for its object certain novel features of construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is an elevation of the jack in elevated position. Fig. 2 is an elevation of the jack collapsed. Fig. 3 is a plan view.

Referring specifically to the drawings, the jack comprises a base-frame 5 and an upper frame 6, which are connected by swinging struts 7. The base-frame comprises beams or sills 8, which are joined at their ends by cross-beams 9, and the upper frame comprises beams 10, which are joined at their ends by cross-beams 11. The struts project from rock shafts or bars 12, extending across between the beams 8. The upper frame is held in elevated position by latches comprising rods 13, which are pivotally secured at one end to the frame and at their opposite ends are joined by cross-bars 13^a, extending through aligned longitudinal slots 14 in the beams 8. At one end the slots have an undercut notch 15 for a purpose to be described.

The struts 7 and rods 13 are made in telescoping sections, so that they can be lengthened and shortened to vary the extent of the lift of the jack. The sections are held in ad-

justed position by pins 16, extending through registering holes therein.

In the operation the vehicle is driven over the jack. A pull on the upper frame causes it to swing upwardly on the struts 7, as shown in Fig. 1, whereby the vehicle is raised from the ground. The rods 13 swing upwardly when the upper frame is lifted, the cross-bars 13^a sliding along the slots until they reach the notches 15, into which they then drop and engage under the lip at the edge of the notch, which prevents the jack from collapsing. When the cross-bars are lifted out of the notches, the jack collapses automatically, the parts assuming the position shown in Fig. 2. An operating rope or cable 17 is secured to the cross-bars 13^a.

The implement herein described is strong and durable in construction and can be easily operated.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

A lifting-jack comprising upper and lower frames connected together by swinging struts, one of the frames having slots terminating in notches, and latches pivoted to the other frame and slidable in the slots, and adapted to engage in the notches when the upper frame is raised.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES M. SAWYER.

Witnesses:

CHARLES S. DE VOIN,

CHARLES J. SCRIBNER.