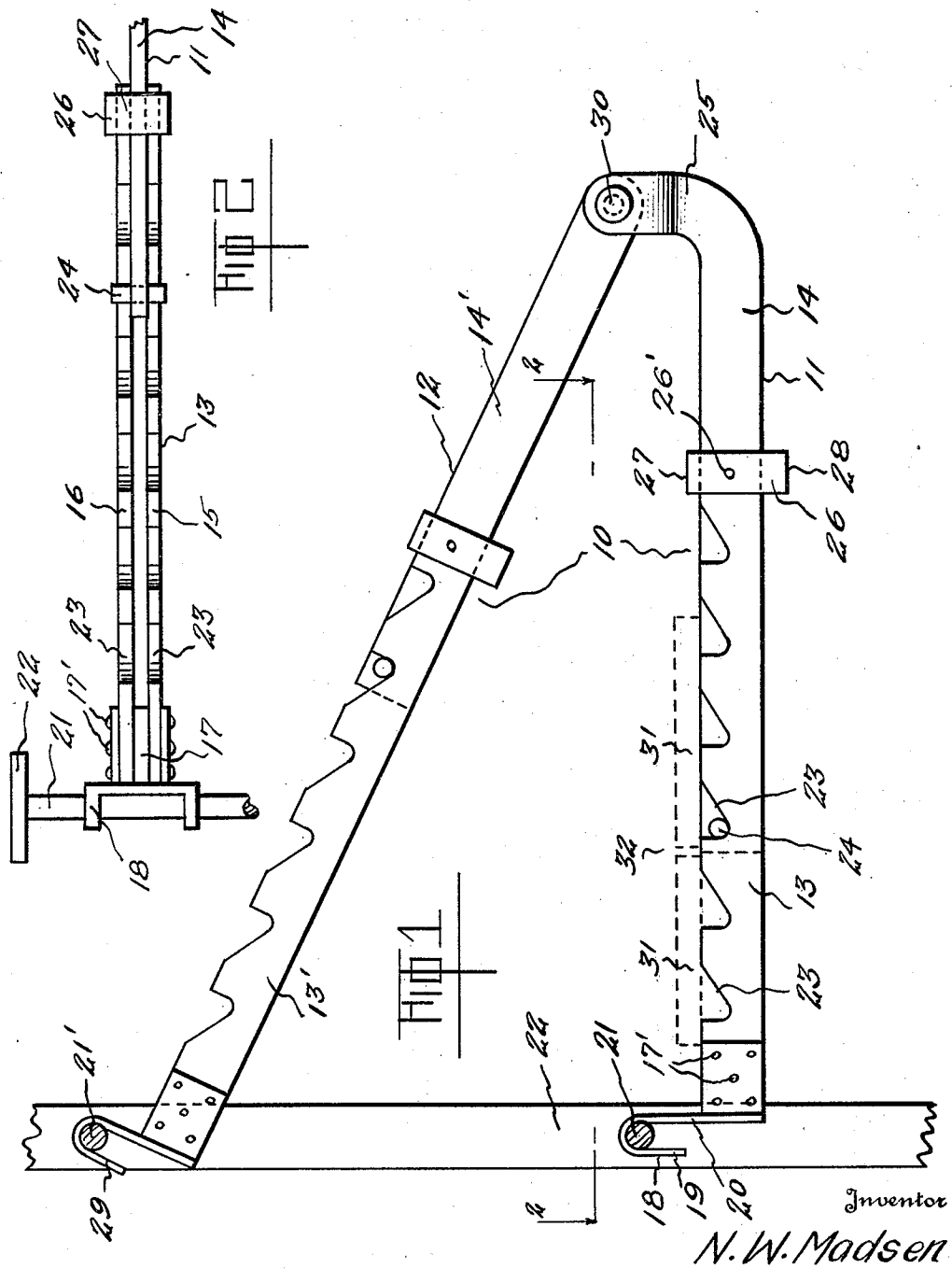
May 17, 1932. N. W. MADSEN 1,859,210

LADDER JACK

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LADDER JACK

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This invention relates to a ladder jack or bracket adapted to be positioned on a ladder to support one end of a plank or platform.

The object of this invention is to provide a ladder jack that may readily be adjusted for supporting a wide, or a narrow platform or staging, and which may readily be folded in a small space when not in use, as for transportation purposes.

These objects are attained by the mechanism and construction of parts shown in the accompanying drawings wherein:—

Figure 1 is an elevational view of the ladder jack in operative position.

Figure 2 is a plan view of one of the legs thereof, taken on line 2—2, Figure 1.

The ladder jack 10 is preferably made of iron or steel and comprises a horizontal leg 11 and an angularly positioned leg 12, pivotally connected together in a manner to be hereinafter described. The horizontal leg 11, comprises an outer member 13 and an inner telescoping member 14. The outer member 13 is made up of two spaced parallel side bars 15 and 16 integrally united at their forward end as clearly shown in Figure 2. The forward end of the outer member 13 has inserted between the ends of the side bars 15 and 16 a washer or spacer 17. Attached to said ends through the medium of rivets or bolts 17′ is a downwardly depending yoke 18 comprising arms 19 and 20, adapted to fit over a rung 21 of a ladder 22 as clearly shown in Figure 1. Formed on the upper edge of each side bar 15 and 16, respectively, is a plurality of spaced aligned notches 23.

Slidably positioned between the side bars 15 and 16 of the outer member 13 is the telescoping member 14, which has rigidly secured thereto in any desired manner at the inner end thereof, a pin 24, said pin extending from each side of said member 14 a distance exceeding the width of each of said side bars, so that said pin may firmly seat in the notches 23.

The other end of the telescoping member 14 is formed with an upwardly extending bifurcated portion 25, the purpose of which is to be hereinafter described.

Riveted or otherwise rigidly secured at 26′ to the free ends of the side bars 15 and 16 of the outer member 13 is an abutment or stop 26, of substantial rectangular form. The upper end 27 thereof abuts the upper edges of said side bars while the lower end 28 thereof, is spaced from the lower edges of said side bars. The abutment or stop 26 serves to prevent any upward movement of the telescoping member 14 about the pin 24 as a center as also to prevent disengagement of said member and said outer member 13, as will be apparent.

The angularly positioned leg 12 is practically identical with the horizontal leg 11 and comprises an outer member 13′ and a telescoping member 14′. The inner end of the outer member 13′ has attached thereto a depending yoke 29 similar in all respects to the yoke 18 and is adapted to engage or be positioned over a rung 21′ positioned above the rung 21 of the ladder 22. The outer end of the telescoping member 14′ is positioned between the bifurcated end 25 of the telescoping member 14 and pivotally connected thereto by means of the pivot 30.

The operation of the jack 10 is apparent from the above description. Boards or scaffolding 31 may be positioned on spaced jacks similarly positioned on ladders 22 to form a platform 32.

While a preferred embodiment of ladder jack has been shown the same is susceptible of various modifications within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A ladder jack comprising a horizontal arm and an inclined arm, means permitting adjustment of the length of each of said arms independent of the other, one of the ends of said arms being provided with ladder engaging hooks, the other ends of said arms being pivotally connected together, each of said arms comprising an outer member and telescopic member, said outer member having a solid end and spaced parallel side bars, said telescopic member being positioned between said side bars, and means to hold said tele-

scopic and outer members together in position.

2. A ladder jack comprising a horizontal arm and an inclined arm, means permitting adjustment of the length of each of said arms independent of the other, one of the ends of said arms being provided with ladder engaging hooks, the other ends of said arms being pivotally connected together, each of said arms comprising an outer member and a telescopic member, said outer member having a solid end and spaced parallel side bars, said telescopic member being positioned between said side bars, each of the side bars of said outer member having a plurality of spaced aligned notches formed on the upper edge thereof, a pin rigidly secured on the inner end of each of said telescopic members and adapted to seat in any selected pair of notches, and a combined sleeve and stop rigidly secured to the free ends of said side bars to prevent relative movement of the members after they are assembled in operative position.

3. A ladder jack comprising a horizontal arm and an inclined arm, means permitting adjustment of the length of each of said arms independent of the other, one of the ends of said arms being provided with ladder engaging hooks, the other ends of said arms being pivotally connected together, each of said arms comprising an outer member and a telescopic member, said outer member having a solid end and spaced parallel side bars, said telescopic member being positioned between said side bars, each of the side bars of said outer member having a plurality of spaced aligned notches formed on the upper edges thereof, a pin rigidly secured on the inner end of each of said telescopic members and adapted to seat in any selected pair of aligned notches, and a combined sleeve and stop rigidly secured to the free ends of said side bars against which said telescopic members are adapted to engage, the telescopic member of the horizontal arm being bifurcated at its outer end, and the corresponding end of the telescopic member of the inclined arm being pivotally connected to said bifurcated end of said first mentioned telescopic member.

In testimony whereof I affix my signature.

NELS W. MADSEN.