T. A. LAKE.

JACK.

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Fig. 1.

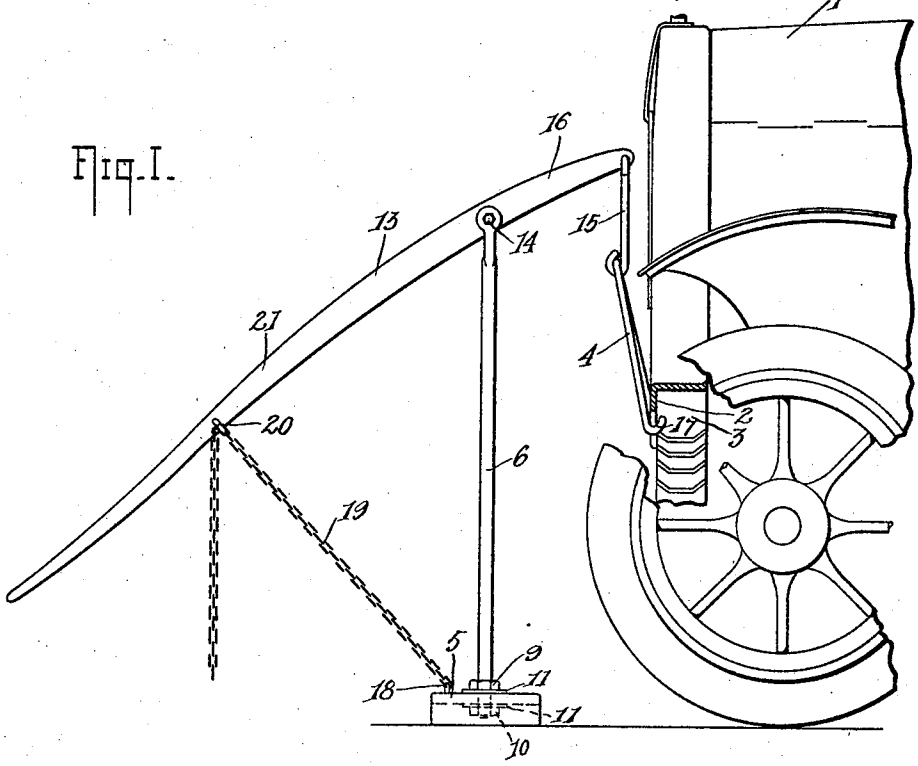
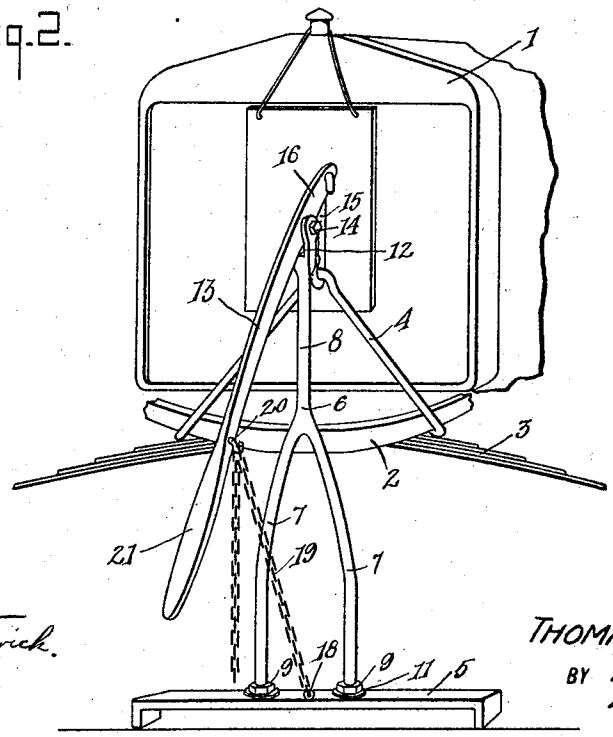


Fig. 2.



WITNESSES

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To all whom it may concern:

Be it known that I, THOMAS A. LAKE, a citizen of the United States, and a resident of Hillman, in the county of Montmorency and State of Michigan, have invented a new and Improved Jack, of which the following is a full, clear, and exact description.

This invention relates to an improvement in jacks, more particularly to a jack of the lever hoist type, an object of the invention being to provide a lifting device of this character which is simple in construction and practical and durable in use.

A further object is to provide a lifting device which is especially adapted for use with the ordinary Ford type of automobile, which can be used to raise the forward end of the body of this type of car, take the weight off the springs and allow the springs themselves or the truss rods connected with them to be removed and replaced.

With these and other objects in view the invention consists of certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings—

Figure 1 is a view in side elevation, partly in section showing my device operatively connected with the front end of a Ford automobile.

Fig. 2 is a perspective view of the device in the same operative position as indicated in Fig. 1.

Referring to the drawings, 1 represents the hood and radiator portion of a Ford automobile. It is well known that this type of car is formed with a curved transverse frame or chassis bar 2 extending under the forward portion of the hood and supported by a leaf spring 3.

My invention is especially designed to provide a coupling member 4 which is peculiarly adapted to engage the crossbar 2 above referred to and lift the forward end of the car to take the weight off the springs 3 and facilitate the removal and replacement of the springs and their adjoining truss rods which are not illustrated in the drawings.

To accomplish this purpose I provide a lifting device which I shall now describe in detail.

This lifting device consists of a base 5 having secured thereon an upright standard 6 preferably comprising two integral forked leg members 7—7 merging into a shank 8 at their upper ends. The leg members 7—7 are screw threaded at their lower ends and project through the base portion 5. These leg members are secured to the base by means of nuts 9 and 10 screwed onto the legs above and below the base, and washers 11 are preferably interposed between the base and the nuts.

The standard 6 is bifurcated at its upper end as shown at 12, and a lever 13 is fulcrumed therein on a pivot bolt 14. A link 15 is suspended from the inner shorter end 16 of the lever 13 and supports the coupling member 4 above referred to, which is of general inverted V-shape and is connected at its apex or intermediate portion with the link 15 and formed with hooks 17 at its extremities adapted to be located under the bar 2 when the lifting device is in operative position.

An eye bolt 18 is provided in the base 1 and a chain 19 is secured at one end to the eye bolt 18 and adapted to be removably secured in any one of its links to a hook 20 on the longer outer end 21 of the lever 13 to hold the lever against movement to lower the car, as will be readily understood.

In operation the device is placed in front of an automobile. The coupling member 4 is placed under the crossbar 2 so that the hooks 17 will engage the bar. The long end 21 of the lever 13 is forced downwardly thus raising the body portion of the car to the desired height to relieve the springs 3 of the weight thereon when the lever may be locked in position by means of the chain 19.

Various slight changes and alterations might be made in the general form of the parts described without departing from my invention, and hence I do not limit myself to the exact details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claim.

I claim:

A device of the character stated compris-

ing a base, a standard secured to the base, said standard having integral forked legs merging into a shank, the upper end of which is bifurcated, a lever fulcrumed in the bifurcated end of said standard, a link suspended from the short end of the lever and having an eye at its end, an inverted V-shaped coupling member passed through the eye of the link and having its apex seated in said eye, the said member being provided with hooked extremities, and means for locking said lever in place when a weight is being supported by said coupling member.

THOMAS A. LAKE.