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TYPE OF ARTICULATED AND DISMOUNTABLE LIFTING JACK

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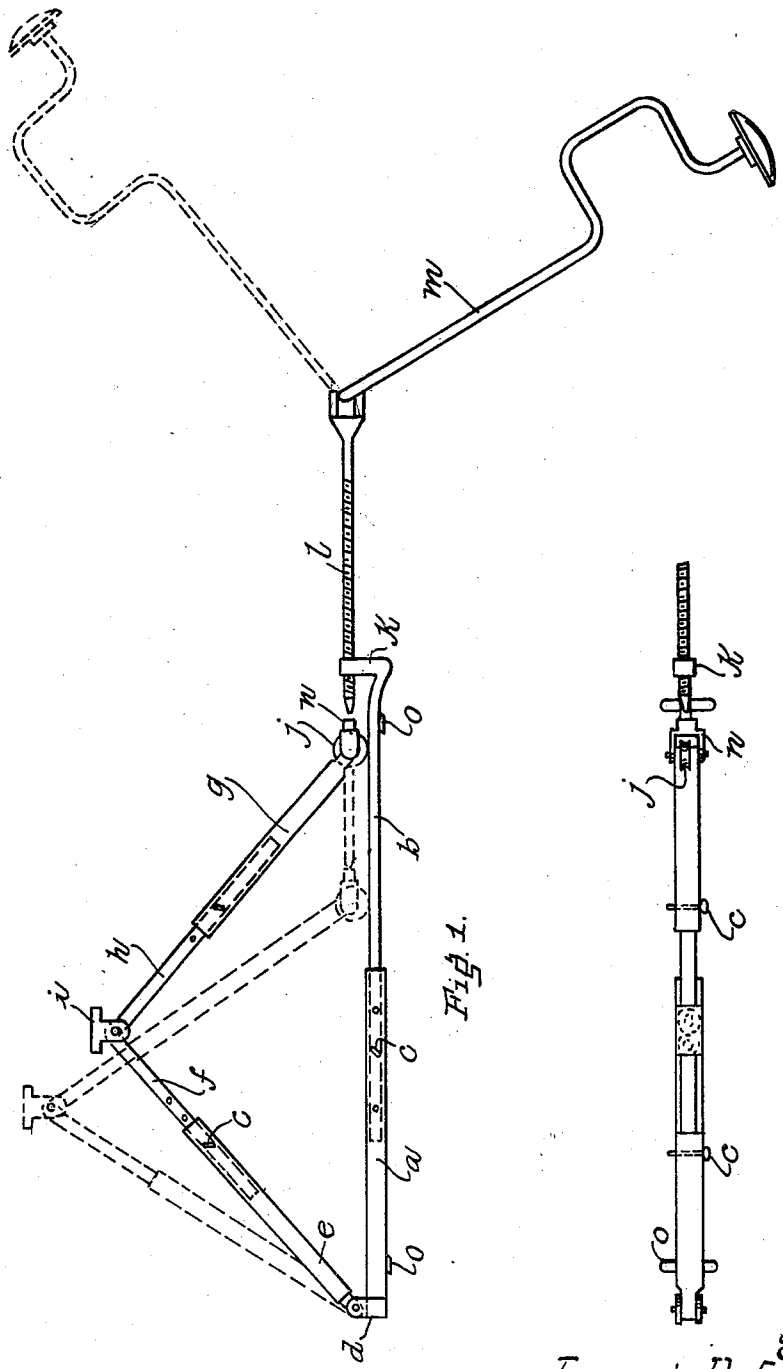


Fig. 1.

Fig. 2.

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TYPE OF ARTICULATED AND DISMOUNTABLE LIFTING JACK

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The present invention refers to a new type of articulated and dismountable lifting jack, with the use of which notable advantages are secured, inasmch as I obtain an appliance of low cost, easy to assemble and dismount, and therefore very convenient as regards transport and conservation, it being especially adaptable for these reasons for lifting motor cars and similar vehicles, as the reduced space which it occupies, allows it to be carried in any position.

In order that my application may be more comprehensible, I have illustrated same with various figures, wherein:

Fig. 1 is a front view of the apparatus,

Fig. 2 is a plan view.

Construction

The construction comprises essentially an articulated triangle, the base being formed by a pipe or tube (*a*), in which is inserted the stem (*b*) for the purpose of its greater or lesser lengthening, fixed by the key (*c*) which is placed in the holes possessed by the pipe (*a*) and the stem (*b*). The pipe (*a*) has in its end a double ear or lug (*d*) in which another side of the triangle mentioned moves articulately, and which is constituted by a tube or pipe (*e*) and the stem (*f*) which is inserted in same.

The other side of the triangle is also formed by a pipe (*g*) and its stem (*h*), fixed in the same manner as the base, that is to say, by its corresponding key and holes, and it is articulated at the vertex, at which is pivoted the support (*i*).

The pipe *g* is provided at its lower end with a forked member *n* attached thereto by means of a pin carrying between the prongs of the forked member a wheel *j* adapted to run on stem *b* and tube *a* forming the base of the instrument, and stem *b* is equipped at its outer end with a perforated upright part *k* through the perforation of which passes one end of a screw *l*, the other end of which is forked and has articulated thereto a lever *m*, the outer end of which is looped to present a handle.

The base (*a*), (*b*) carries the supports (*o*). The material with which the distinct parts of the present appliance will be manufactured, may be any adaptable to the various functions to be performed. Also the sides which form the triangle already specified may be of one sole piece, or more if same be necessary, without this representing a departure from the scope of the invention.

Working

Once the triangle has been fixed in the position shown in Fig. 1, in the right hand end of screw (*l*) is inserted the bi-articulated handle (*m*), and the screw (*l*) is placed in movement. This screw (*l*), pushes the fork (*n*), which in turn pushes the pertaining side, whose wheel (*j*) slides upon the base (*b*), (*a*) of the triangle, modifying the figure of this and raising the vertex (*i*), (also articulated), thus raising the object resting on the vertex mentioned, as shown by dotted lines in Fig. 1.

The greater or lesser length of the sides is easily obtained by means of the insertion indicated, and by the keys and holes already explained.

The load or object having been raised, and it being desired to lower same, it is sufficient to reverse the movement of the handle (*m*) in order to effect the descent, smoothly and securely, avoiding violent descents through failure of parts or carelessness, these inconveniences being completely eliminated with the present appliance.

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

A lifting jack comprising an extensible base, an extensible arm pivoted to said base and extending upwardly at an inclination thereto, a second extensible arm pivoted to the upper end of the first extensible arm and extending downwardly at an inclination from said second pivot, said second named arm having a roller connected to its lower end to travel on the base, a support connected to the last mentioned pivot, a perforated upright secured to one end of the base, a screw threaded through the perforation of said upright, a handle pivotally connected to the screw, a member connected to the lower end

of the second named arm and extending towards and adapted to engage the free end of the screw whereby upon rotation of the screw by the handle the member will move the roller over the bar to thereby elevate the arms and the support.

In testimony whereof I affix my signature.

IGNACIO H. FOTHERINGHAM.