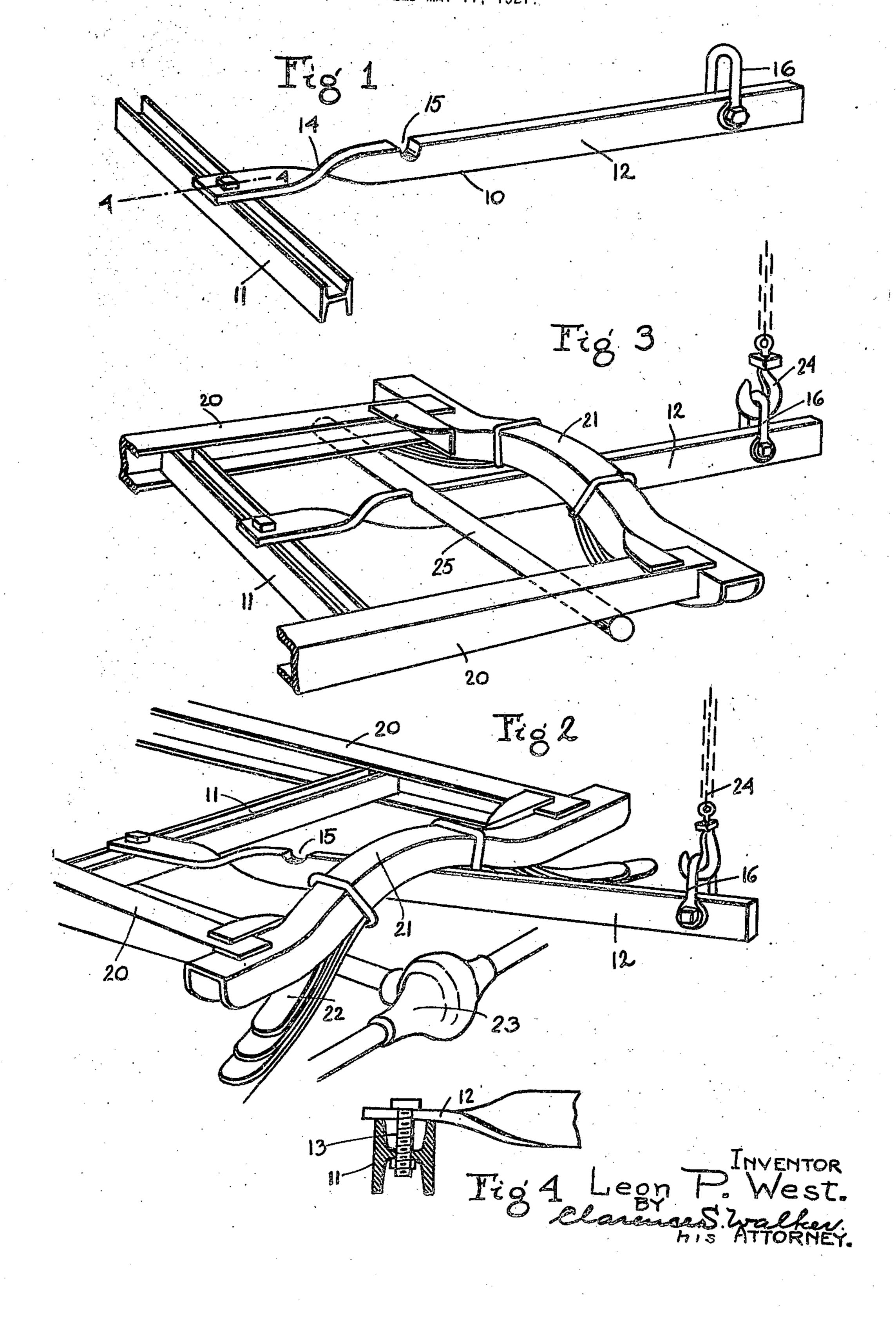
L. P. WEST. LIFTING HOIST. FILED MAY 11, 1921.



STATES PATENT OFFICE. UNITED

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LIFTING HOIST.

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To all whom it may concern:

zen of the United States, and resident of at the outer end by a bowed channelled useful Invention in Lifting Hoists, of which the rear axle 23 is carried. the following is a specification.

10 adapted to raise one end of a motor vehicle, the axle with the bar 11 swung substantially

such a vehicle.

vehicle is raised but the body is often scarred. the necessary repairs or replacements made. 75

25 removed, such means bearing only upon member 20 a bar 25 which rests in the notch

nation of the specification and of the draw-springs 22 can easily be operated upon. 30 ings which form a part thereof and in which While one embodiment only has been

bodiment of this invention.

method of applying the invention to the 35 chassis of a motor vehicle;

4—4 of Fig. 1. Referring to the drawings the reference 1. A lifting hoist comprising in combina-45 to the cross bar, a nut and bolt mechanism 13 against said article in cooperation with the being shown in the drawing for so fixing ends of said bar. the parts together. The handle 12 is pref- 2. A hoist for lifting motor vehicles 50 a notch 15 for a purpose to be described bar adapted to engage said channelled side enough from the end of the handle so that it when the hoist is operated. cannot swing over and so that the hoist will 3. A hoist for lifting motor vehicles 110 always be used in the position here shown. having channelled side members and a cross

plied to the rear end of a Ford chassis. The Be it known that I, Leon P. West, a citi- channelled side frame members 20 are joined: Buffalo, in the county of Erie and State of frame member 21. Within the member 21 60 5 New York, have invented a certain new and are mounted the rear springs 22 by which

When it is necessary to raise the end of This invention relates to an improvement the vehicle to operate upon the axle the hoist in lifting hoists, particularly in the type is introduced below the springs and above 65 and in the method of raising one end of in line with the handle 12. After the proper distance has been reached the bar is swung It is often necessary in the repairing of on its pivot into engagement with the chanmotor vehicles to raise one end, usually the nelled side frame members 20. By means of 70 15 rear, in order to reach parts hidden when a hook and chain 24 the hoist is raised, the the vehicle is in its normal position. This handle bearing against the under side of is generally done by the use of a sling passed the springs 22 and the frame 21. The axle around the body of the vehicle by which the 23 can now be reached without difficulty and

One object of this invention is to provide If the spring is to be repaired or remeans by which one end of a vehicle can be placed it is of course necessary to use a raised so that the axle can be repaired or method in which the handle does not bear removed, and by which the vehicle can be against them. This is done by laying raised so that the springs can be repaired or across the handle 12 and under the frame 80 parts of the vehicle which are normally hid- 15. When the hoist is now raised as in Fig. den and not upon the exposed parts.

3 the handle bears through the bar 25 Other objects will appear from an exami- against the frame members 20 and the

Fig. 1 is a perspective view of one em- shown and described applicant is not to be limited thereby since it is obvious that Fig. 2 is a perspective view showing one others can be made without departing from the spirit and scope of the invention as set 90 forth in the following claims.

Fig. 3 is a view similar to Fig. 2 and Having thus set forth my invention that showing a second method of applying; and which I claim as new and for which I desire Fig. 4 is a cross section taken on the line the protection of United States Letters Pat-

ent, is the following:

numeral 10 is used to designate a lifting tion a cross bar and a handle pivoted therehoist which forms one embodiment of my to, said bar being of such a length as to invention. This hoist comprises a cross bar engage at each end the article to be lifted or I-beam 11, a handle 12 pivotally secured and said handle being adapted to bear 100

erably a rectangular bar twisted at right having channelled side members and a cross angles at 14 and having in its upper edge member, comprising in combination a cross 105 later. Adjacent the outer end of the handle members, and a handle secured to said bar is swung a hook 16 which is mounted far adapted to bear against said cross member

Figs. 2 and 3 show the invention as ap- member, comprising in combination a cross

bar adapted to engage said channelled side said cross bar having a transverse notch in when the hoist is operated.

ing channelled frame members comprising ture. in combination a cross bar adapted to engage said channelled members, a handle on

members, and a handle pivoted to said bar its upper edge and a rod resting in said 10 adapted to bear against said cross member notch and bearing against said channelled members.

4. A hoist for lifting motor vehicles hav- In testimony whereof, I affix my signa-

LEON P. WEST.