A. SADLOCK.

ELEVATING JACK.

APPLICATION FILED SEPT. 30, 1916.

1,214,378.

Patented Jan. 30, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

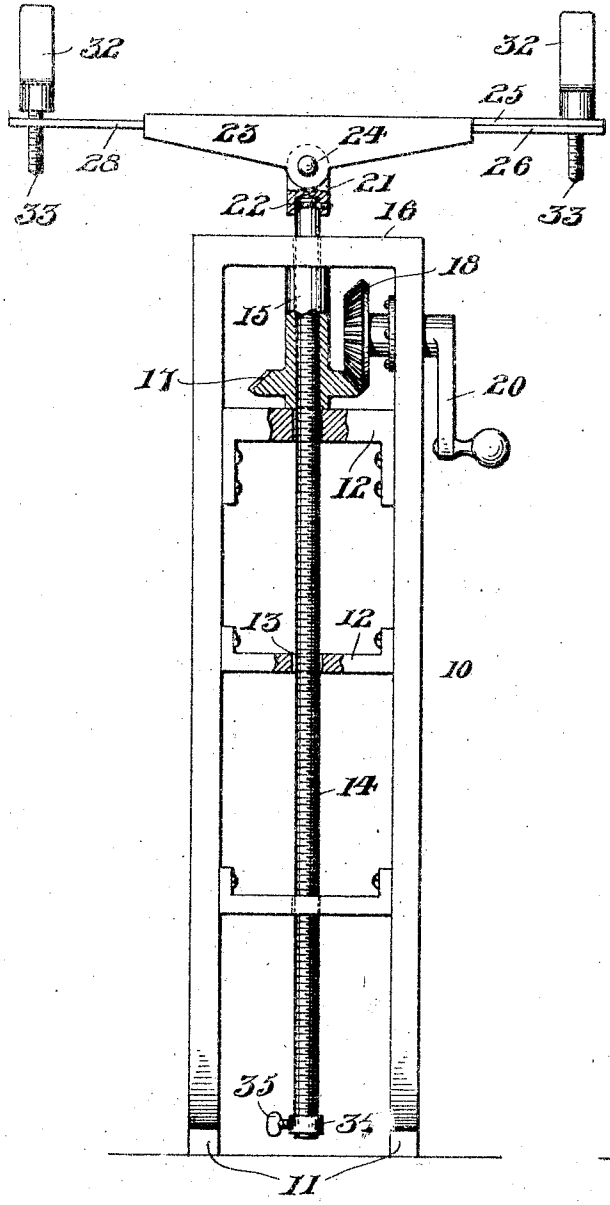
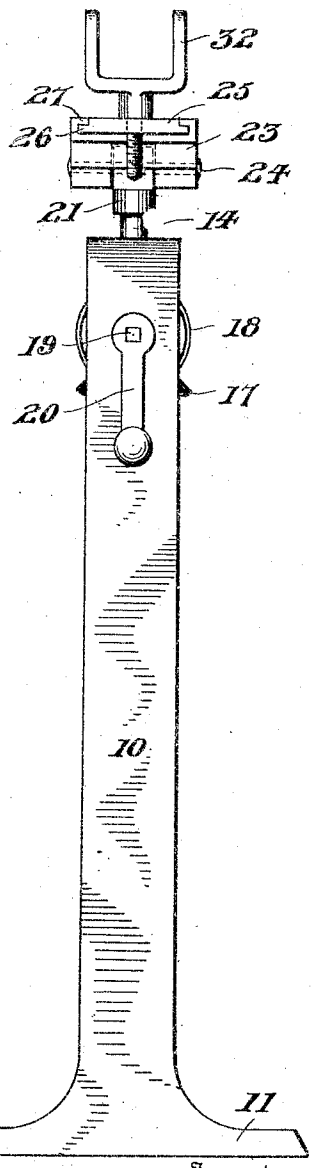


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

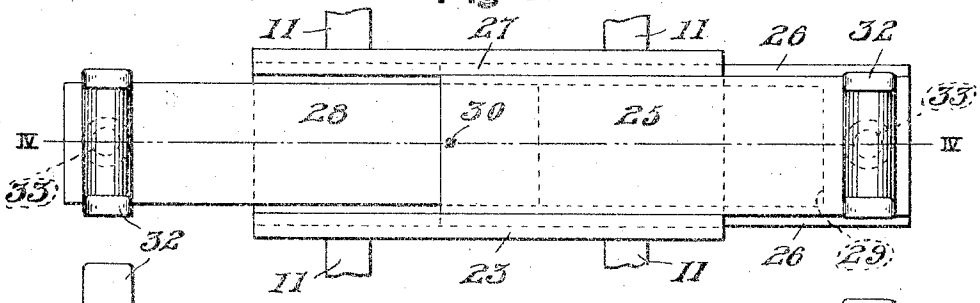


Fig. 4.

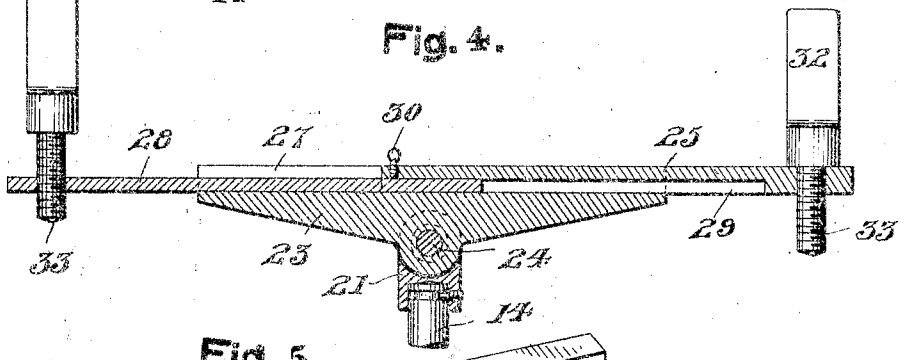


Fig. 5.

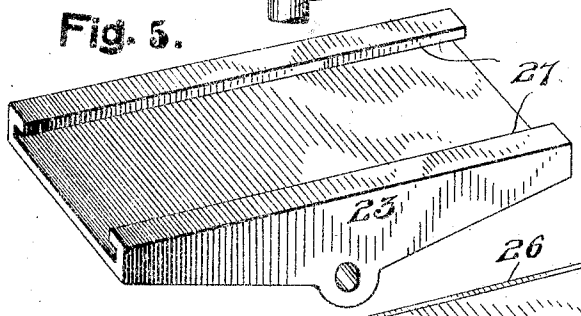


Fig. 6

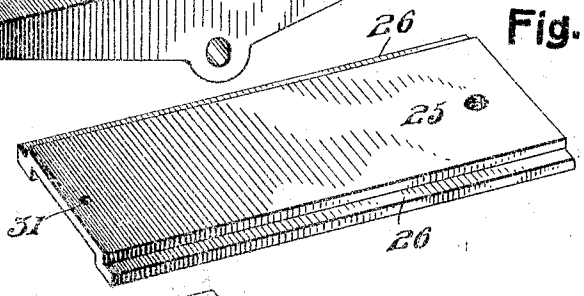
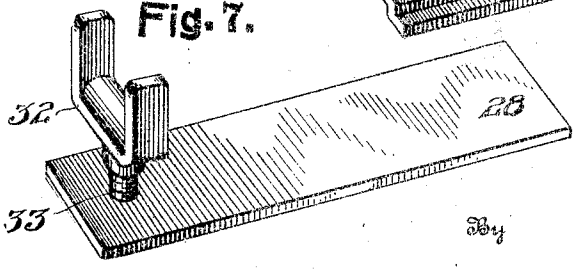


Fig. 7.



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UNITED STATES PATENT OFFICE.

ANDREW SADLOCK, OF HOPWOOD, PENNSYLVANIA.

ELEVATING-JACK.

1,214,378. Specification of Letters Patent. Patented Jan. 30, 1917.

Application filed September 30, 1916. Serial No. 123,001.

To all whom it may concern:

Be it known that I, ANDREW SADLOCK, a citizen of the United States, residing at Hopwood, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Elevating-Jacks, of which the following is a specification.

This invention relates to certain new and useful improvements in elevating jacks.

The primary object of the device is the provision of a lifting jack especially adapted for use with automobiles, the same being provided with adjustable axle-receiving members whereby the entire end of a vehicle may be readily elevated as found desirable.

A further object of the device is the provision of a lifting jack having an adjustable stop limiting means for the vertical movements of the vehicle supporting member, such member being freely revoluble and capable of lateral tilting, shiftable load-receiving means being carried by the said member.

A still further object of the device is the provision of a jack that is easy and inexpensive to manufacture, the same being capable of elevating a weighted body tiltably and revolubly positioned, means being arranged for supporting bodies of different dimensions.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and then claimed.

In the drawings forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views:—Figure 1 is a front elevation of the device partially broken away. Fig. 2 is a side elevation thereof. Fig. 3 is a top plan view of the same. Fig. 4 is a longitudinal sectional view taken upon line IV—IV of Fig. 3, through the supporting platform. Fig. 5 is a perspective view of the supporting platform detached, and Figs. 6 and 7 are perspective views of the two adjustable slides employed with the platform.

The present device provides a standard 10 of inverted U-shaped arrangement having projecting feet 11 while three parallel braces 12 are arranged within the said standard connecting the sides thereof together. The braces 12 are provided with central perforations 13 in alinement with each other through which a threaded shaft 14 is freely arranged. An operating sleeve 15 is screw-threaded upon the shaft 14 between the top cross head 16 of the standard 10 and the uppermost brace 12, a pinion 17 being carried by the sleeve 15 in constant mesh with a gear 18 upon a stub shaft 19 journaled in one side of the standard 10 and arranged with a turn crank 20.

A pivot block 21 is swivelly connected with the upper end of the shaft 14 as at 22 while a work holder or supporting platform 23 is pivoted to the block 21 by a pintle 24.

A main slide 25 having longitudinal side flanges 26 is longitudinally slidably arranged upon the platform 23 with its flanges positioned beneath the inwardly projecting overlying angular sides 27 of the said platform. An auxiliary slide 28 is longitudinally shiftably arranged within an underneath groove 29 of the aforementioned slide 25 whereby both of the slides form a mounting adjustable in length upon the platform 23, as best illustrated in Figs. 3 and 4 of the drawings. A set screw 30 extends through a threaded opening 31 in the main slide 25 being adapted for engaging the adjacent face of the auxiliary slide 28 which auxiliary slide is thereby frictionally engaged with the platform 23, the slides being in this manner retained in their adjusted positions upon the platform 23.

U-shaped supporting sockets 32 are provided with threaded shanks 33 vertically adjustably positioned adjacent the opposite free ends of the said slides.

It will be understood from this description of the device that the platform 23 is laterally pivoted as well as rotarily mounted upon the shaft 14, the latter being readily moved vertically by turning the crank 20. The socket members 32 are designed for receiving an elongated member, such as an automobile axle, being capable of adjustment for attachment to uneven portions thereof while the longitudinal adjustability of the slides 25 and 28 allows the socket members 32 to be readily adjusted with the work positioned therein while the set screw 30 retains the slides so adjusted. The work may then be tilted upon the pivot pintle 24 or turned upon the swivel connection 22. A collar 34 is adjustably mounted upon the

shaft 14 retained by a set screw 35 and as illustrated in Fig. 1 of the drawings the said collar is serviceable as a stop for limiting the upward movement of the shaft 14. The said collar 34, however, may be arranged upon the shaft at any point desirable for instance, between any two of the adjacently positioned braces 12 whereby both the upward and downward movements of the shaft 14 and platform 23 may be limited as desired.

What I claim as new is:—

1. A jack comprising a standard, an operating shaft carried by the said standard, a block swiveled in the upper free end of the said shaft, a platform pivotally mounted upon the said block having inturned sides adjacent the top thereof, a main slide mounted upon the top of the said platform having side flanges arranged beneath the said sides and having an underneath recess, an auxiliary slide positioned upon the top of the said platform slidably arranged within the said recess, and an adjustment retaining means for the said slides.

2. A jack comprising a standard, an operating shaft carried by the said standard, a block swiveled in the upper free end of the said shaft, a platform pivotally mounted upon the said block having inturned sides adjacent the top thereof, a main slide mounted upon the top of the said platform having side flanges arranged beneath the said sides and having an underneath recess, an auxiliary slide positioned upon the top of the said platform slidably arranged within the said recess, an adjustment retaining means for the said slides, and U-shaped work receivers provided with threaded shanks adjustably arranged through the opposite free ends of the said slides.

In testimony whereof I affix my signature.

ANDREW SADLOCK.