No. 676,977. Patented June 25, 1901.

C. BREDEHOFT.

LIFTING JACK.

(No Model.) (Application filed Apr. 11, 1901.)

Fig. 2.

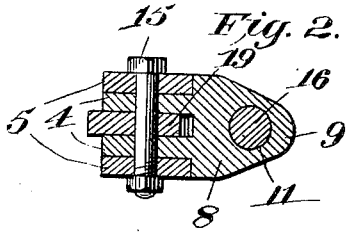


Fig. 1.

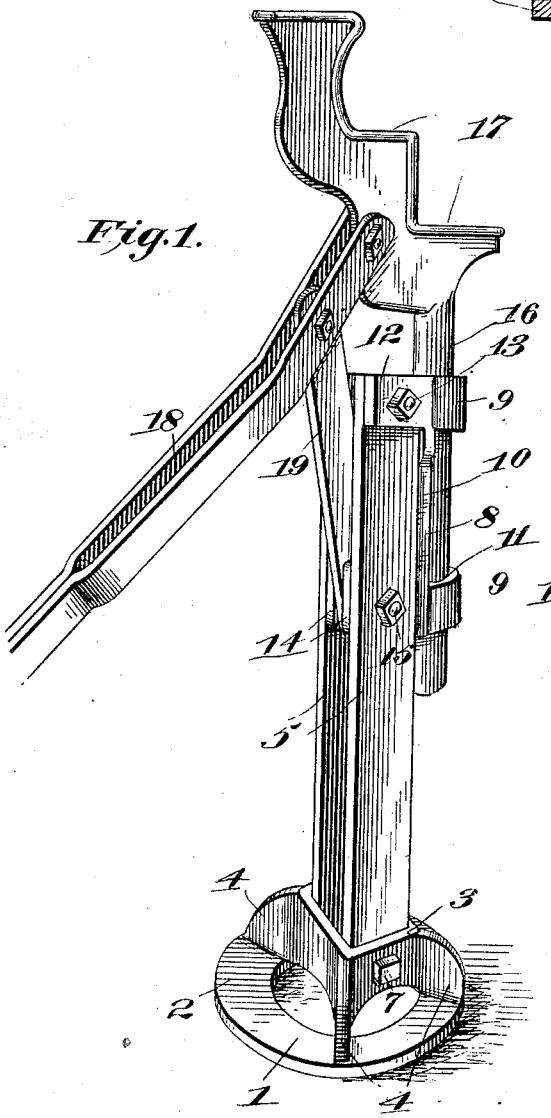


Fig. 3.

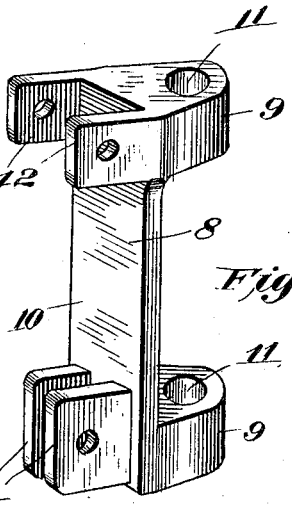
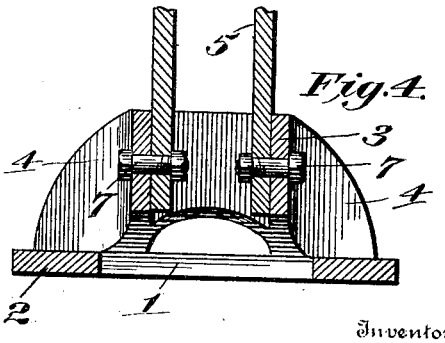


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

CORD BREDEHOFT, OF RUBY, NORTH DAKOTA.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 676,977, dated June 25, 1901.

Application filed April 11, 1901. Serial No. 55,364. (No model.)

To all whom it may concern:

Be it known that I, CORD BREDEHOFT, a citizen of the United States, residing at Ruby, in the county of Nelson and State of North Dakota, have invented certain new and useful Improvements in Lifting-Jacks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to lifting-jacks.

The object of the invention is to simplify and improve the construction shown in Letters Patent No. 666,642, granted to me January 29, 1901, whereby the device is rendered more efficient in action, durable in use, and its cost of production materially reduced.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved lifting-jack. Fig. 2 is a cross-sectional view through the lower end of the guide-bracket, the lifting-rod, supporting-standards, and link-connecting bolt. Fig. 3 is a detail perspective view of the guide-bracket, and Fig. 4 is a cross-sectional view through the base and lower ends of the supporting-standards.

In the drawings, 1 denotes the supporting-base, which consists of a flat ring 2 and a box 3 connected thereto by ribs 4, all of which are cast in one piece.

5 denotes the supporting-standards, the lower ends of which are inserted in the box and are secured in place by bolts 7.

8 denotes a guide-bracket consisting of two alined lugs 9, connected together by a vertical piece 10 and formed with registering apertures 11. The vertical piece 10 has at its upper end two rearwardy-projecting ears 12, which span the upper ends of the standards and are bolted thereto by short bolts 13, while the lower end of the vertical piece has a laterally-projecting bifurcated lug 14, which projects between the two standards and serves to space them apart and is secured to the standards by a connecting-bolt 15.

16 denotes a suitably-constructed lifting-rod mounted to reciprocate in the guide-bracket and provided with a stepped head 17.

18 denotes a lever pivoted at its inner end to the lifting-rod, and 19 denotes a link pivoted to the said lever and between the bifurcated members of the lug on the connecting-bolt 15.

From this construction it will be apparent that the lug, while preventing the collapsing of the standards, or, more properly speaking, their movement inward toward each other, also serves to provide means for steadying the link and preventing it from wabbling on the connecting-bolt 15, while the ears 12 serve to prevent the spreading of the upper ends of the standards, thus producing a strong, durable lifting-jack.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of my invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

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

1. In a lifting-jack, the combination with a supporting-base, of vertical standards connected thereto, a guide-bracket having ears which span the upper ends of said standards, a lug which projects between said standards, a bolt for connecting the lugs to said standards, bolts for connecting the ears to said standards, a lifting-rod, and a suitably fulcrumed lever connected to the lifting-rod, substantially as set forth.

2. In a lifting-jack, the combination with a supporting-base, of standards connected thereto, a guide-bracket provided with alined apertures and having at its upper end ears which span the upper ends of said standards and at its lower end a bifurcated lug which projects between said standards, a bolt for securing the ears and the lug to said standards, a lifting-rod mounted to slide in the ap-

ertures of said bracket, a link pivoted between the bifurcated members of said lug on the bolt which connects the lug to said standards, and an operating-lever pivoted to the lifting-rod and to the upper end of the link, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CORD BREDEHOFT.

Witnesses:
T. C. FAVREAU,
A. I. WILSON.