March 10, 1936. H. BANKS 2,033,808

LIFTING JACK ATTACHMENT

Filed Dec. 24, 1934

Fig. 1.

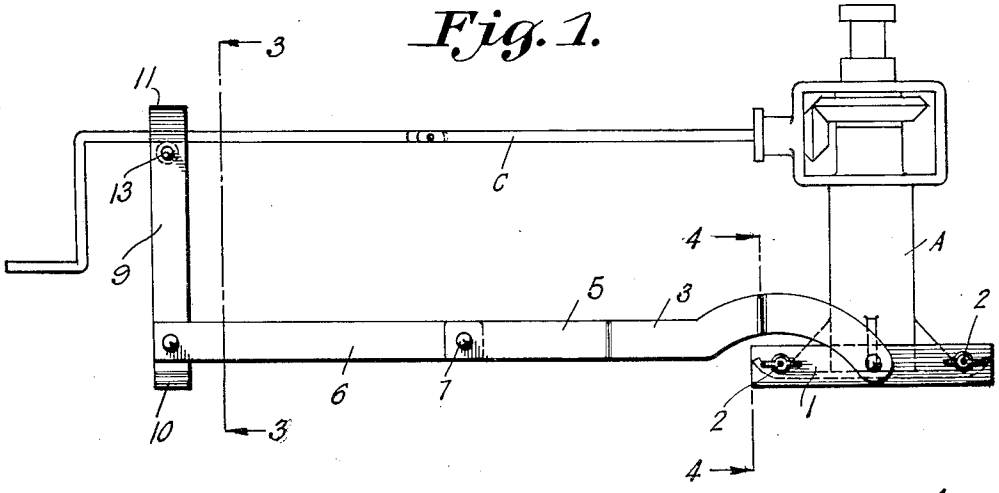


Fig. 2.

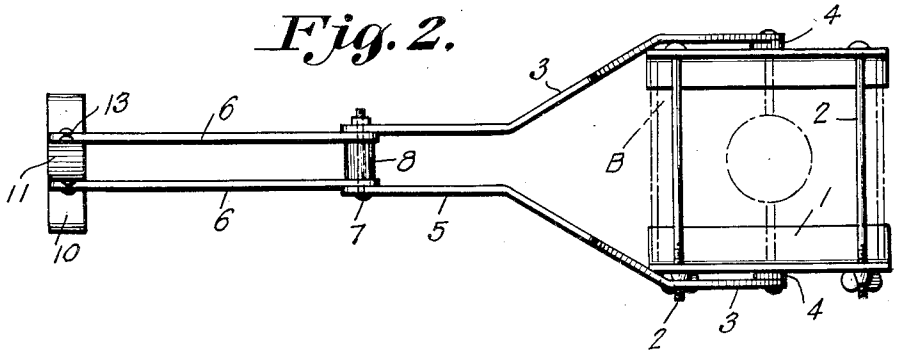


Fig. 3.

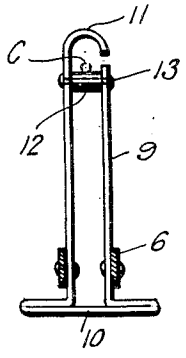
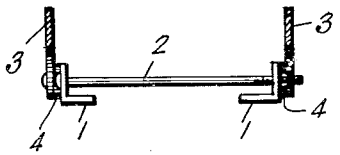


Fig. 4.



Henry Banks,
INVENTOR

BY Victor J. Evans & Co.
ATTORNEY

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LIFTING JACK ATTACHMENT

Henry Banks, Littlefield, Tex.

Application December 24, 1934, Serial No. 759,090

2 Claims. (Cl. 254—1)

This invention relates to lifting jacks, and its general object is to provide an attachment for a vehicle jack, to facilitate the handling and placing of the jack in position for use, in an easy and expeditious manner, and to support and brace the same, including its operating handle, so that the jack can be efficiently operated with minimum effort and in difficult places.

A further object of the invention is to provide an attachment of the character set forth, that is capable of being detachably associated or applied to jacks now in general use, is foldable, simple in construction, inexpensive to manufacture and extremely efficient in use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a side elevation illustrating my attachment applied to a jack of the rotary type.

Figure 2 is a top plan view thereof.

Figure 3 is a sectional view taken approximately on line 3—3 of Figure 1, looking in the direction of the arrows.

Figure 4 is a sectional view taken approximately on line 4—4 of Figure 1, looking in the direction of the arrows.

Referring to the drawing in detail, the letter A indicates a vehicle jack of a type now in general use, B the base thereof, and C the handle therefor.

My attachment includes a pair of angle bars 1 which are held associated for adjustment with respect to each other through the instrumentality of bolt and nut connections 2, the bolts of the latter passing through the vertical portions of the angle members as best shown in Figure 2, with the result it will be seen that the angle members are adjustable to be clamped to the base A. The adjustable feature makes it possible to secure the attachment to jacks having bases of various sizes, with their horizontal portions thereof underlying the same, as best shown in Figure 2.

Pivotally secured to the vertical portions of the angle members 1 and preferably midway between the ends thereof, are one of the ends of a pair of arms 3, and disposed between the pivoted ends of the arms 3 and the vertical portions are washers 4 which are preferably formed from rubber or other flexible material. The pivoted end portions of the arms 3 are curved as best shown in Figure 1, and thence are directed in converging relation to merge in spaced parallel portions 5 which have their ends pivotally secured to one of the ends of a pair of links 6 through the medium of a bolt and nut connection 7.

Surrounding the bolt of the bolt and nut connection 7 is a sleeve 8 that acts as a spacing member for the links 6 in that it contacts with the confronting faces thereof as shown in Figure 2. The sleeve 8 is preferably formed from flexible material such as rubber or the like.

The opposite ends of the links 6 are pivotally secured adjacent the lower end of an upright 9 that is preferably formed from a single strip of material bent to provide a base 10 from which extend parallel vertical portions, one of which terminates in a curved upper end 11 having its free end spaced from the upper free end of the other vertical portion to provide a passageway for the handle C of the jack A. The handle C is provided with a rest in the form of a sleeve 12 that surrounds a pin 13 fixed to the vertical portions of the upright 9. The sleeve 12 likewise acts to hold the vertical portions in parallel relation with respect to each other as will be noted upon inspection of Figure 3.

From the above description and disclosure in the drawing, it will be obvious that I have provided an attachment for a vehicle jack to facilitate the handling and the placing of the jack in position for use, and the upright 9 can be used for that purpose, in that it can act in the capacity as a handle, but the most important function of the upright 9 is to support the operating handle C of the jack and to hold that handle against undue movement, in that it is confined within the space between the sleeve and the upper end portions of the upright, as clearly shown in Figure 3.

Due to the fact that parts of my attachment are pivotally associated, it will be apparent that it is capable of being folded so that it can be stored in minimum space, even if attached to a jack.

It will be further apparent that the attachment can be applied to the jacks now in general use with very little effort, as the nuts of the bolt and nut connections 2 can be of the wing type as shown, which of course will facilitate the application and removal of the attachment with respect to the jack.

It is thought from the foregoing description

that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. An attachment for a lifting jack and its handle and comprising supporting means for the jack and including a pair of spaced parallel angle members, bolt and nut connections for adjustably and detachably securing the angle members to the base of the jack with the base resting upon the horizontal portions of the angle members, arms including curved portions having one of their ends pivotally secured to the angle members midway their ends, supporting means for the handle and including an upright having a lateral passageway for the handle, means secured to the upright and providing a rest for the handle, links having one of their ends pivotally secured to the arms and their opposite ends secured to the upright, and said links cooperating with the arms to provide foldable means for connecting the handle supporting means with the jack supporting means.

2. An attachment for a lifting jack and its handle, comprising a pair of angle members, means for detachably securing the angle members to the base of the jack with the base resting upon the horizontal portions of the angle members, supporting means for the handle and including a base, parallel vertical portions rising from the last mentioned base, a curved upper end formed on one vertical portion and spaced from the upper end of the other vertical portion to provide a lateral passageway to receive the handle, means bridging the vertical portions and providing a rest for the handle with the curved upper end overlying the rest, and foldable means between the respective supporting means for connecting the latter together.

HENRY BANKS.