

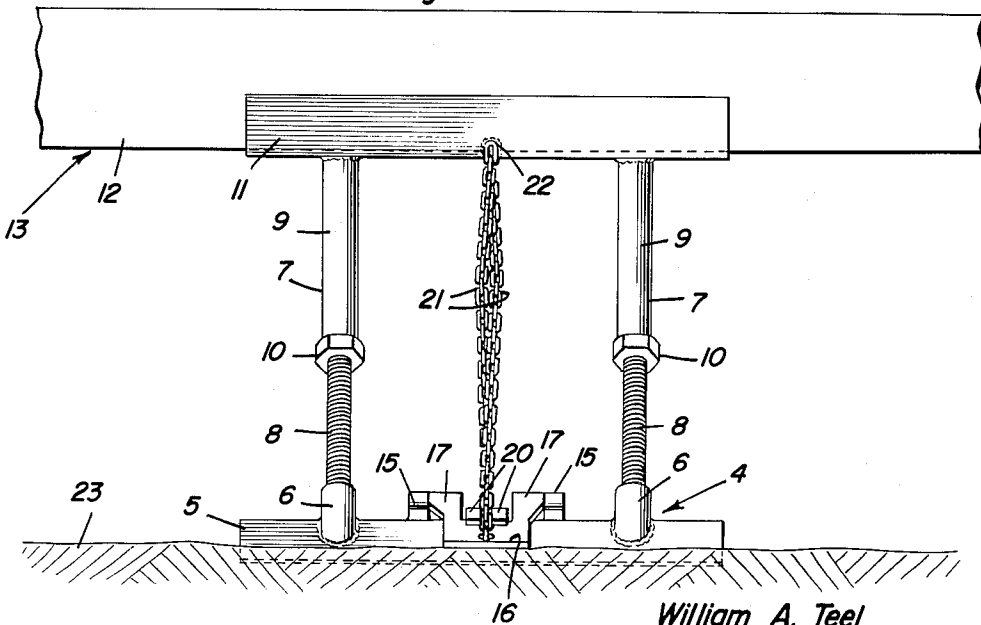
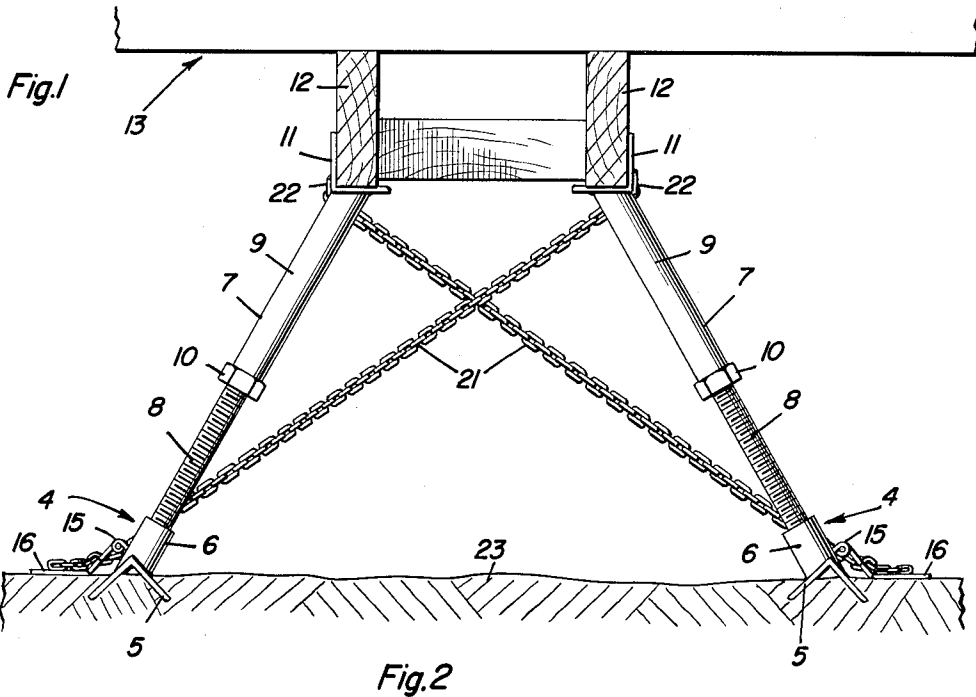
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W. A. TEEL
MOBILE HOME SUPPORT

2,979,304

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2 Sheets-Sheet 1



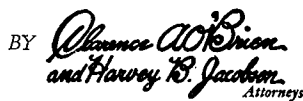
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MOBILE HOME SUPPORT

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2,979,304

MOBILE HOME SUPPORT

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5 Claims. (Cl. 248—354)

This invention relates to new and useful improvements in supports or jacks particularly, although not necessarily, for house trailers or mobile homes and has for its primary object to provide, in a manner as hereinafter set forth, novel means for expeditiously leveling, firmly supporting and laterally stabilizing such vehicles.

Another very important object of the present invention is to provide a support which may be adjusted readily to meet various conditions, such as uneven or inclined ground, etc.

Other objects of the invention are to provide a mobile home support or jack of the character set forth which will be comparatively simple in construction, strong, durable, compact, of light weight and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a view in end elevation of a mobile home support or jack embodying the present invention, showing the device in use;

Figure 2 is a view in side elevation thereof; and

Figure 3 is a perspective view of one of the units, showing a portion thereof broken away in section.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a pair of upwardly and inwardly inclined duplicate jack units which are designated generally by the reference character 4. The units 4 include spaced, parallel, inverted V-shaped bases 5 in the form of angle bars of suitable metal. Fixed at longitudinally spaced points on the bases 5 are upwardly and inwardly inclined sockets 6. Telescopically adjustable screw jacks 7 are mounted in the sockets 6. The jacks 7 include threaded lower male sections 8 which are engaged in the socket 6. The jacks 7 further include smooth upper female sections 9 which are slidably adjustable on the lower sections 8. Nuts 10 are threaded on the lower jack sections 8 for adjusting the upper sections 9 and securing the same in adjusted position. The pairs of screw jacks 7 are connected by angle bar heads 11 on the upper ends of the sections 9. The heads 11 are engageable longitudinally with the lower edges and outer sides of the usual sills or frame members 12 of a trailer 13.

Fixed on intermediate portions of the bases 5 are hinge plates 14 comprising inwardly projecting knuckles 15. Angulated levers 16 of suitable flat metal are mounted for vertical swinging movement on the hinge plates 14. The inner end portions of the levers 16 comprise furcations 17 which terminate in knuckles 18 aligned with the knuckles 15. Pins 19 in the knuckles 15 and 18 pivotally connect the levers 16 to the plates 14. Between the furcations 17, the levers 16 further comprise spaced, reversely bent hooks or lugs 20.

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The units 4 are adjustably and detachably connected by crossed chains 21. The chains 21 have one end portion fixed to the heads 11 at intermediate points by welding, as indicated at 22. The other end portions of the chains 21 are inserted between and engaged with the hooks or lugs 20 for adjustably and detachably connecting said chains to the levers 16.

It is thought that the use of the device will be readily apparent from a consideration of the foregoing. Briefly, the heads 11 are engaged with the frame members 12 of the trailer 13 and the bases 5 are placed on the ground, as indicated at 23, in approximately the position shown thereby disposing the jacks 7 at an upward and inward inclination. The nuts 10 are then tightened to secure the adjustment. The levers 16 are then swung upwardly and the free end portions of the crossed chains 21 are connected thereto. The levers 16 are then swung downwardly past dead-center for tightening the chains 21 and clamping the heads 11 on the trailer frame members 12 in an obvious manner. Of course, any desired number of the devices may be used beneath the trailer. When the chains 21 are tightened the heads 11 function as jaws which grip the trailer frame members 12 therebetween.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A vehicle support and stabilizer comprising: a pair of units including spaced bases to be positioned beneath the vehicle, upwardly convergent jacks on said bases comprising heads on their upper end portions engageable with the vehicle, crossed braces connecting the units for preventing the bases from spreading, and means for tightening said braces, said means including levers hingedly mounted on the bases and connectible to one end portion of the braces.

2. A vehicle support and stabilizer comprising: a pair of units including spaced bases to be positioned beneath the vehicle, upwardly convergent jacks on said bases comprising heads on their upper end portions engageable with the vehicle, and means for drawing the heads toward each other on the vehicle and for preventing the bases from spreading, said means including crossed chains having one end affixed to the heads, and levers hingedly mounted for vertical swinging movement on the bases, said levers including members adjustably engageable with the other end portions of the chains for operatively connecting said levers thereto.

3. A trailer support and stabilizer comprising: a pair of units including spaced, parallel, elongated bases to be positioned longitudinally beneath the trailer, pairs of upwardly convergent jacks on said bases, elongated heads connecting the upper ends of said pairs of jacks and engageable with the trailer, and means for clamping said heads in engagement with the trailer and preventing the bases from spreading, said means including crossed chains having one end fixed to the heads, and levers hingedly mounted on the bases and operatively connected to the chains for tightening the same, said levers being swingable past dead-center for securing the chains taut.

4. A trailer support and stabilizer comprising: a pair of duplicate units including bases comprising spaced, parallel, inverted V-shaped bars to be positioned longitudinally on the ground beneath the trailer, pairs of upwardly and inwardly inclined sockets on said bars, upwardly convergent pairs of screw jacks mounted in said

sockets, angle bar heads connecting the upper ends of the pairs of jacks and adapted to receive the trailer frame therebetween and engageable therebeneath, and means for drawing the heads together on the trailer frame and for preventing the bases from spreading.

5. A trailer support and stabilizer comprising: a pair of duplicate units including bases comprising spaced parallel, inverted V-shaped bars to be positioned longitudinally on the ground beneath the trailer, pairs of upwardly and inwardly inclined sockets on said bars, upwardly convergent pairs of screw jacks mounted in said sockets, angle bar heads connecting the upper ends of the pairs of jacks and adapted to receive the trailer frame therebetween and engageable therebeneath, and means for drawing the heads together on the trailer frame and

for preventing the bases from spreading, said means including crossed chains having one end anchored to the heads between the pairs of jacks, and levers hingedly mounted for vertical swinging movement on the bases between said pairs of said jacks, said levers including means adjustably engageable with the other end portions of the chains for operatively connecting said levers thereto.

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