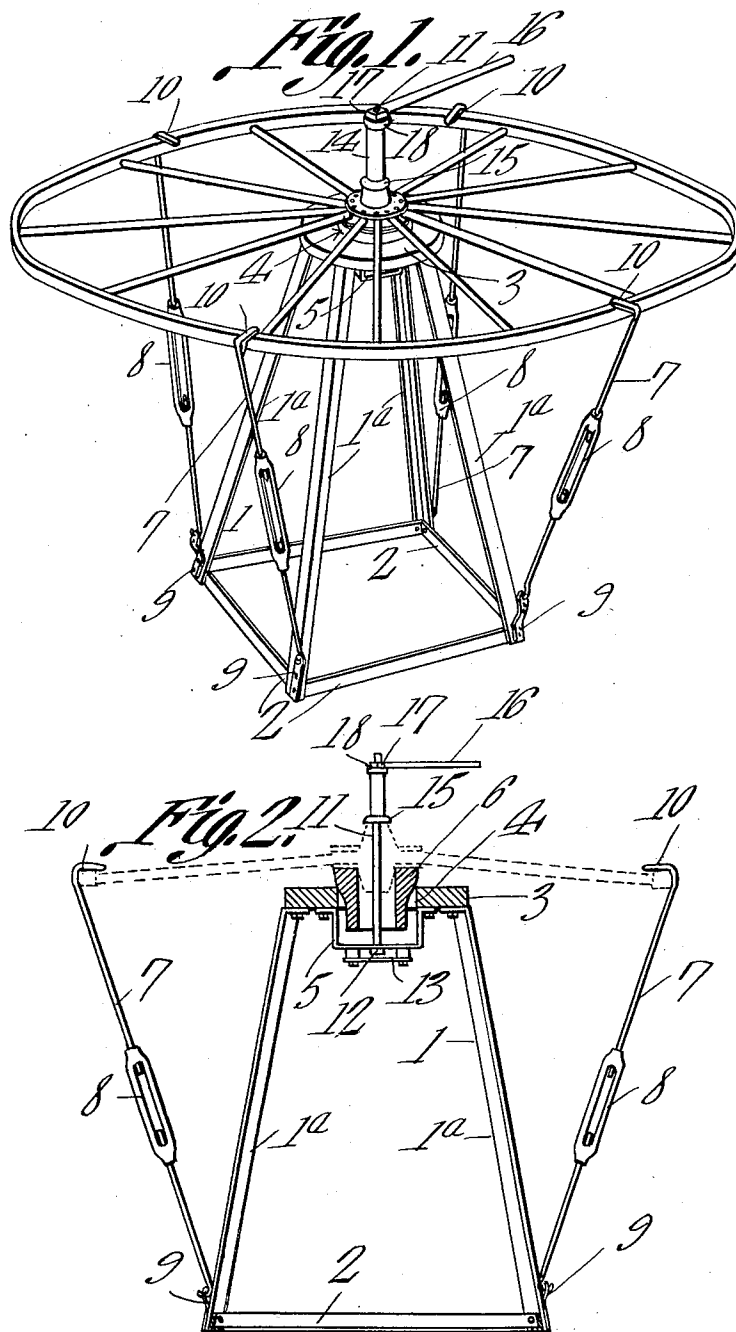


I. RICE.
WHEEL JACK AND DISHER.
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1,017,801.

Patented Feb. 20, 1912



Witnesses

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UNITED STATES PATENT OFFICE.

IRVIN RICE, OF JASPER, MISSOURI.

WHEEL JACK AND DISHER.

1,017,801.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, IRVIN RICE, a citizen of the United States, residing at Jasper, in the county of Jasper and State of Missouri, have invented a new and useful Wheel Jack and Disher, of which the following is a specification.

This invention relates to improvements in devices used in removing the dish from vehicle-wheels of the type having wooden hubs riveted to the spokes.

The invention also contemplates providing a jack for manipulating wheels in making repairs thereon.

A further object is to carry out these ends in a simple, economical and effective manner.

The invention consists of certain instrumentalities and features substantially as hereinafter disclosed and defined by the claim.

In the accompanying drawing illustrating the preferred embodiment of my invention wherein it will be understood that such changes and modifications as may come within the scope of the appended claim may be made as relates to the detailed construction and arrangement of the parts without departing from the spirit of my invention, Figure 1 is a perspective of the device. Fig. 2 is a sectional elevation thereof.

In carrying out my invention, I provide a suitable upright frame 1, preferably comprising four uprights or members 1^a converging somewhat toward their upper ends, the lower divergent ends of said uprights being suitably secured to a base-frame 2.

To the upper ends of the uprights or members 1^a is secured a preferably disk-like member 3, said upper ends being inturned horizontally and having the securing means or bolts for said disk-like member, passed therethrough. The disk-like member 3 has a central opening 4 through it, and beneath this opening is arranged a bracket 5, suitably secured to the underside of said member 3 and depending a short distance therebelow, the purpose of which will be apparent presently.

An inverted approximately truncated cone-shaped member 6 forming practically an anvil, is received by the opening 4, with its flared portion resting upon the upper edge of the walls of said opening, which cone-member itself has an opening, being tubular, to receive one end of a wheel-hub

as shown, in repairing or operating upon the wheel.

Turn-buckle equipped rods 7 are applied to the uprights 1^a of the frame 1, at their lower ends, the turn-buckles being designated as 8, the lower members of said turn-buckle rods being suitably or detachably engaged at their lower ends with numerous perforated members or plates 9 fixed to said uprights, allowing of variously adjusting said turn-buckle-equipped rods. The upper members of said turn-buckle equipped rods are laterally extended or hook-terminated at their upper ends as at 10 for engaging the wheel at its rim, as clearly disclosed, and whereby by suitably actuating the turn-buckles, the wheel as seen in said figures, may be clamped down into effective position, the lower hub-end being forced down firmly into the opening 4 in the top-member 3, as practiced, in removing the dish from the wheel, as is thought is readily apparent.

A mandrel or stem 11 is adapted to be let into, and passed through the tubular truncated cone-member 4, the lower end of said mandrel or stem having a shoulder, enlargement or nut 12 thereon received intermediate the bottom member of the bracket 5 and a bar 13 suitably spaced-off from said bracket, preferably as disclosed in Fig. 2, for the suitable retention or anchoring of said mandrel or stem in position, as against upward displacement when under pressure.

A sleeve 14 and a suitable washer 15 are applied to the mandrel 11, above the wheel-hub, the washer being first placed in position; and with the upper end of the mandrel, which is screw-threaded, is engaged the nut-terminated end of a handle 16, the nut-formation or terminal being designated as 17, a washer 18 being preferably interposed between said sleeve and said nut-terminal formation.

It will be noted that, with the wheel in position upon the "jack" as disclosed in the drawing and the turn-buckles 8 suitably actuated to put the rod-connections 7 under tension of pressure and the handled nut 17 manipulated or turned so as to put the mandrel 11 under suitable stress or pressure, the wheel may be suitably jacked-up or clamped in fixed position for required treatment, as in eliminating the dish thereof when this may be desired. Also under this action of parts, the inner end spoke-engaging or hub-forming members may be readily and suit-

ably riveted or secured in position in connection with the spokes, or the wheel otherwise conveniently receive attention for repairs or overhauling, as will be readily appreciated by artisans of the wheelwright-class. It will be further observed that the invention is characterized for extreme simplicity, accordingly inexpensive of manufacture, and is ready of application, while it is effective in action for its intended use, all of which is apparent without extended explanation.

What is claimed is:

A device of the character described, including a support, a tubular anvil-forming member adapted to be received by said support, a bracket depending from said support, below said anvil-forming member, a mandrel adapted to be inserted into said anvil-

forming member, said bracket being provided with means for connection with the lower end of said mandrel, a nut terminated handle having screw-threaded engagement with said mandrel, means adapted to be interposed between said anvil-forming member and said nut for delivering pressure to the hub of a vehicle-wheel, and turn-buckle equipped rods having upper and lower hook-ended members, and perforated members secured to said support for engagement with said lower hook-ended members.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

IRVIN RICE.

Witnesses:

W. C. THOMAS,
J. WESLEY SPAID.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."