

No. 849,439.

PATENTED APR. 9, 1907.

M. W. THOMPSON.

WRENCH.

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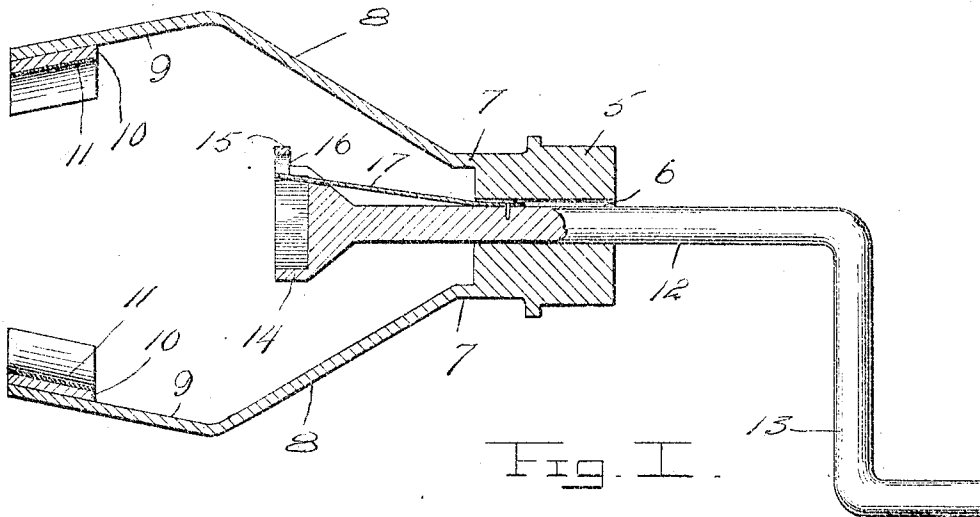


Fig. I.

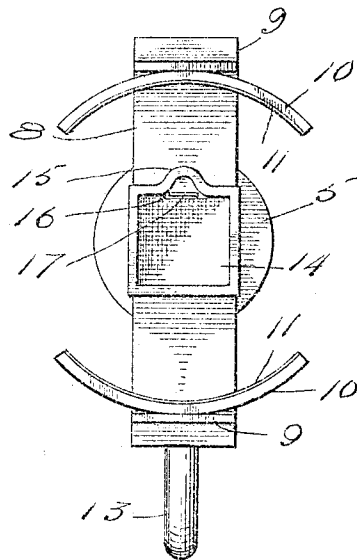


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

MYRVLE W. THOMPSON, OF FRUITLAND, WASHINGTON.

WRENCH.

No. 849,439.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MYRVLE W. THOMPSON, a citizen of the United States, residing at Fruitland, in the county of Stevens, State of Washington, have invented certain new and useful Improvements in Wrenches; and I do hereby 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.

This invention relates to wrenches, and more particularly to that class which are designed for the purpose of removing nuts from axles and which are arranged for detachable connection with the hub of the wheel upon the axle from which the nut is to be removed.

The object of the invention is to provide means for detachably connecting the wrench to the hub as stated without the use of clamping-screws or the like.

A further object of the invention resides in the provision of a simple means for retaining the nut in the nut-socket of the wrench after the same has been removed.

In the drawings, Figure 1 is a longitudinal sectional view through the device. Fig. 2 is an end elevation.

Referring to the drawings, the numeral 5 denotes a sleeve which is provided centrally with a bore 6.

Formed integral with the sleeve 5 and extending from diametrically opposite points at one end thereof are arms 7. The inner end portions of the arms 7 diverge outwardly from each other, as at 8, and the outer end portions of the said arms converge slightly, as at 9. Secured to the ends of the outer end portions 9 are arcuate plates 10, which have their concave faces in mutual opposition, the said inner faces being faced with cushion-strips 11 of rubber or other suitable material. It will be readily understood that the plates 10 are arranged for engagement upon oppo-

site sides of one end of a wheel-hub and that therefore the sleeve and arms, or at any rate the arms, are of resilient material. Furthermore, it will be appreciated that the rubber facing prevents injury of the finished hub.

Revolubly mounted in the sleeve 5 is a shaft 12, provided at one of its ends with a crank-handle 13 and at the other of its ends with a nut-socket 14, which is of sufficient size to snugly fit the nut to be removed.

One of the walls of the nut-socket has an offset portion 15, the connection of this portion of the wall and the adjacent portion of the base of the socket being severed by means of a slot 16. Secured at one of its ends to the shaft 12 and extending with its opposite end through said slot is a spring-finger 17, which normally lies inwardly of said wall in which the offset portion 15 is formed and which is designed for contact with the adjacent face of a nut seated in said socket, the said spring-finger being adapted to be released from such engagement by exerting pressure upon its portion intermediate its fixed end and the said socket.

What is claimed is—

1. A device of the class described comprising a frame, a shaft revolubly mounted in the frame, a nut-socket carried by the shaft and means connected with the shaft and extending within said socket for holding a nut therein.

2. A device of the class described comprising a frame, a shaft revolubly mounted in the frame, a nut-socket carried by the shaft, and a resilient finger, connected with the shaft and arranged to hold a nut in the socket, said finger being operable from without the socket to release the nut.

In testimony whereof I affix my signature in presence of two witnesses.

MYRVLE W. THOMPSON.

Witnesses:

M. C. PELTIER,
L. T. TATRO.