

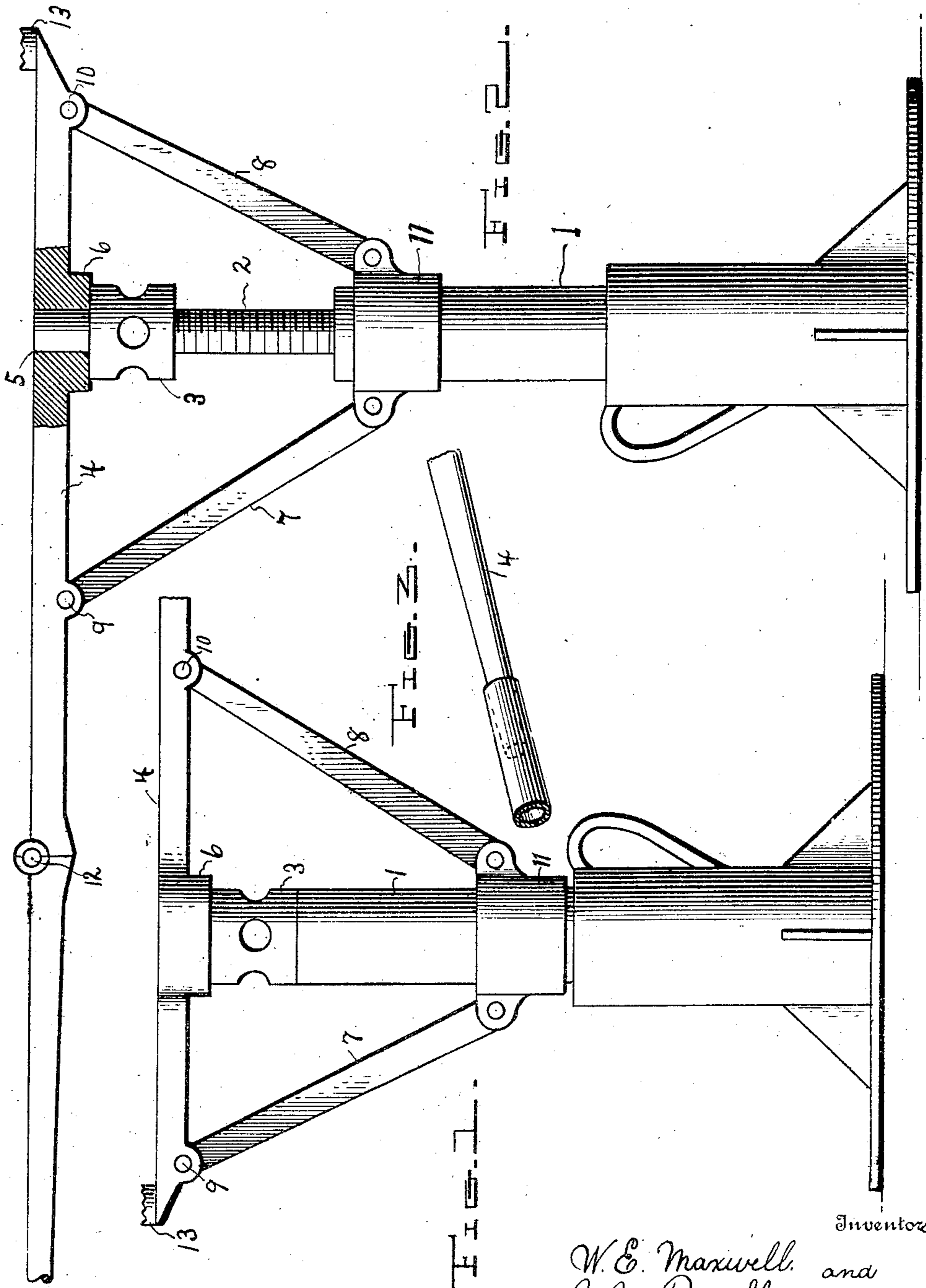
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PATENTED FEB. 18, 1908.

W. E. MAXWELL & J. M. ROWELL.

LIFTING JACK.

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Witnesses

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WILLIAM E. MAXWELL AND JOHN M. ROWELL, OF WYLAM, ALABAMA.

LIFTING-JACK.

No. 879,396.

Specification Letters Patent.

Patented Feb. 18, 1908.

Application filed October 22, 1907. Serial No. 398,583.

To all whom it may concern:

Be it known that WILLIAM E. MAXWELL and JOHN M. ROWELL, citizens of the United States, residing at Wylam, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification.

This invention relates to improvements in lifting-jacks and attachments therefor, and it pertains to a lifting-jack having a screw construction, all of which will be fully described hereinafter and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of a lifting-jack embodying the invention with the attachment in position thereon, Fig. 2 is a similar view partly in section, Fig. 3 is a detail perspective view of a portion of the lever showing the manner in which the leverage may be increased.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a tubular standard provided with an interiorly-threaded upper portion forming a fixed nut and receiving a jack-screw 2 provided near its upper end with a rounded enlargement 3 adapted to be engaged by a bar or lever for rotating said screw.

4 is a lever provided with an opening at the point 5 through which the upper end of the screw 2 passes allowing the portion 6 of the said lever to rest upon the enlarged portion 3 of the screw 2. The lever 4 is provided with the brace-arms 7 and 8 which are secured to said lever at the points 9 and 10, the other ends of said braces being secured to the collar 11 which surrounds the tubular portion 1 and which is adapted to rotate when the lever 4 is moved from side to side. The lever is hinged at the point 12 in order that the same may be folded up when not in use. It will be seen that by this arrangement the lever can be freely rotated while the standard and screw will remain stationary. The jack as shown in Fig. 1 may be placed under the object to be moved and said object may be raised in the usual manner by means of the screw 2. When it is desired to move the object to one side or the other as is often the

case in replacing cars or the like, the head 13 upon which said object is resting is moved around to the position desired by moving the lever 4 to the right or left. The end of said lever 4 is made round in order that a pipe or other tubular member may be attached to the same to increase the leverage.

It will be noticed that the attachment which consists of the lever 4, the brace arms 7 and 8, and the collar 11 may be readily and quickly detached from the jack proper and folded up out of the way when the device is not in use.

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

Having described our invention, what we claim is:—

1. A lifting-jack comprising a standard, a screw engaging the standard, a lever mounted on the upper end of said screw and a collar surrounding said standard and connected to said lever, said lever and collar being adapted to rotate.

2. A lifting-jack comprising a standard, a screw engaging the standard, a lever mounted on the upper end of said screw, a collar surrounding said standard and brace-arms extending from said collar to said lever.

3. A lifting-jack comprising a standard, a screw engaging the standard, a lever mounted on the upper end of said screw, and a collar surrounding said standard, said collar being adapted to slide vertically on said standard when said screw is rotated.

4. A lifting-jack comprising a standard, a screw engaging the standard, a collar surrounding said standard said collar being adapted to slide vertically on said standard, and a lever mounted on the upper end of said screw said lever being provided with a head for engaging the object to be lifted.

In testimony whereof we have affixed our signatures, in presence of two witnesses.

WILLIAM E. MAXWELL.
JOHN M. ROWELL.

Witnesses:

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