

No. 886,766.

PATENTED MAY 5, 1908.

C. COLLIER & J. C. RIGG.

LIFTING JACK.

APPLICATION FILED JULY 31, 1907.

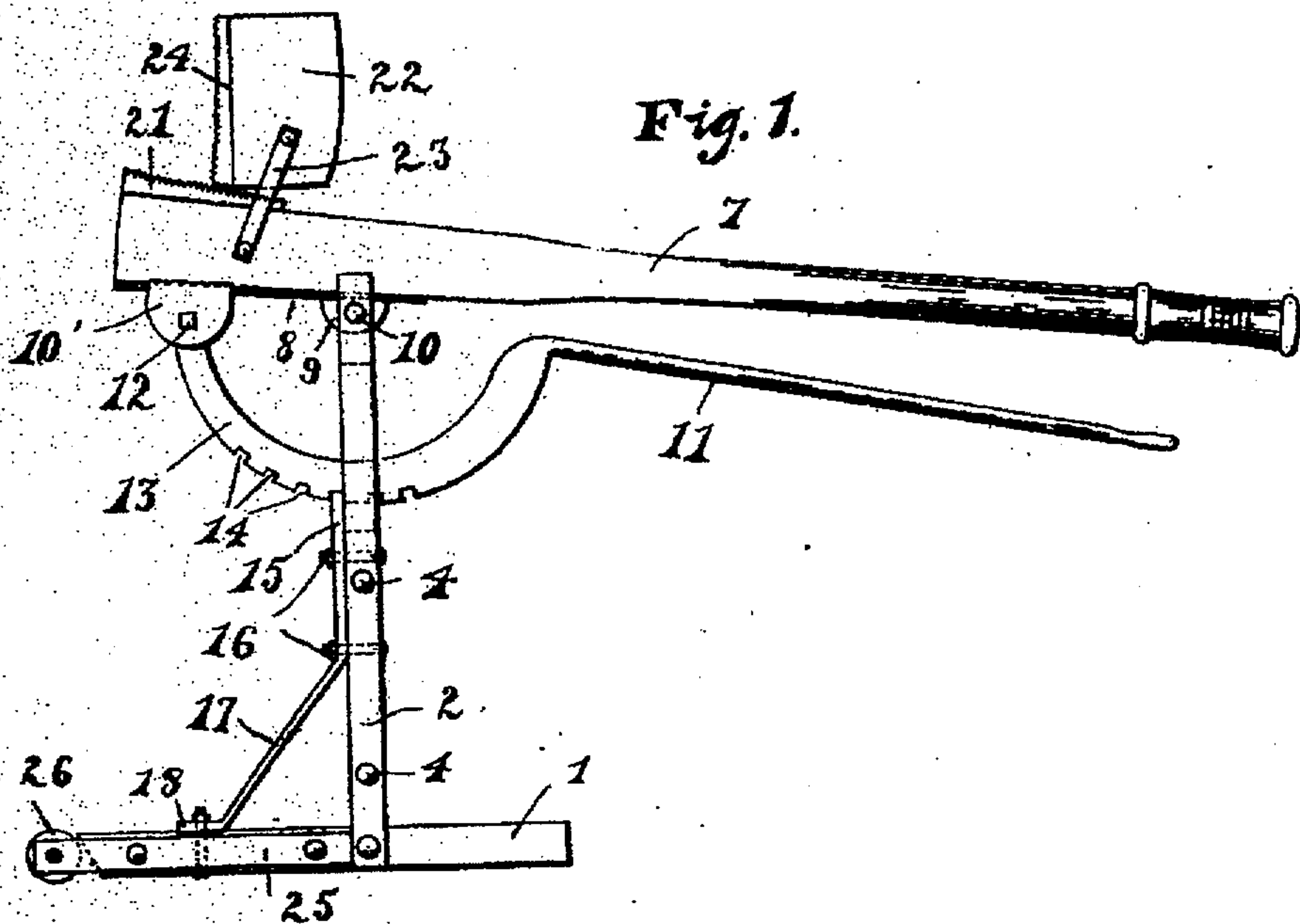


Fig. 1.

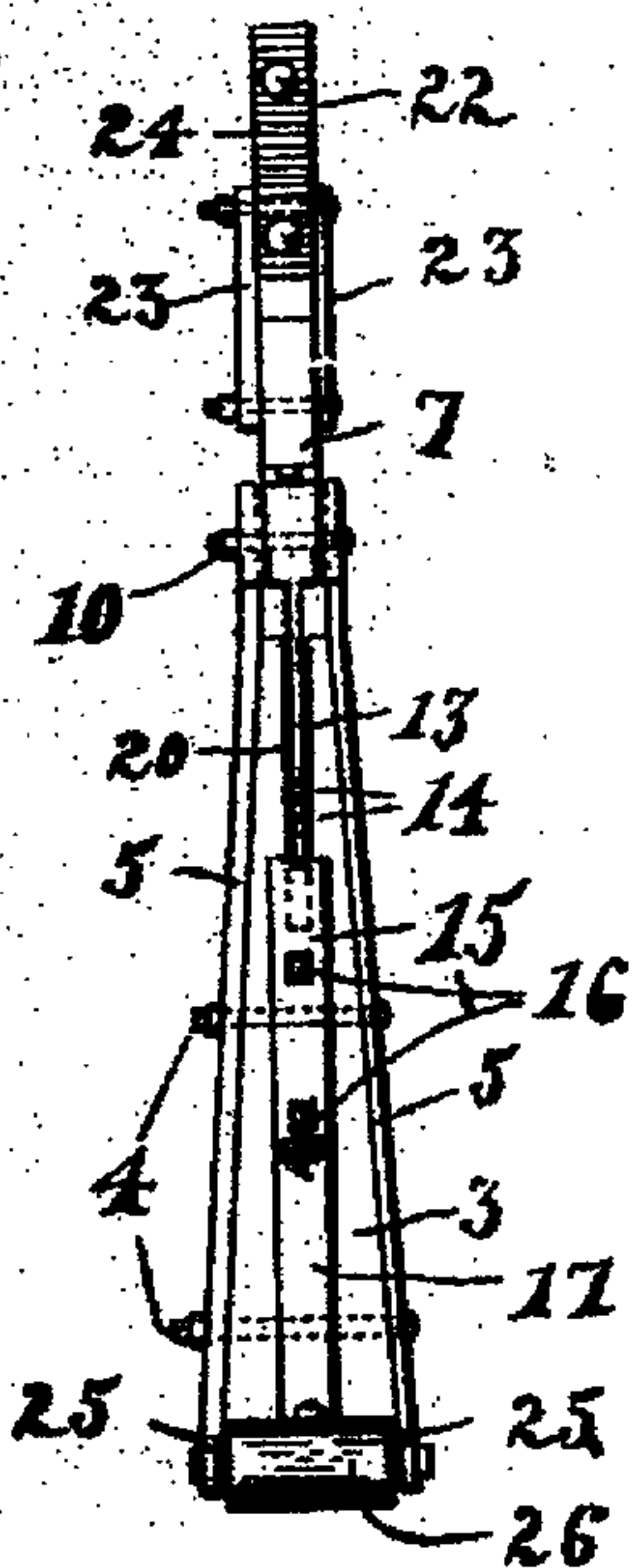


Fig. 2.

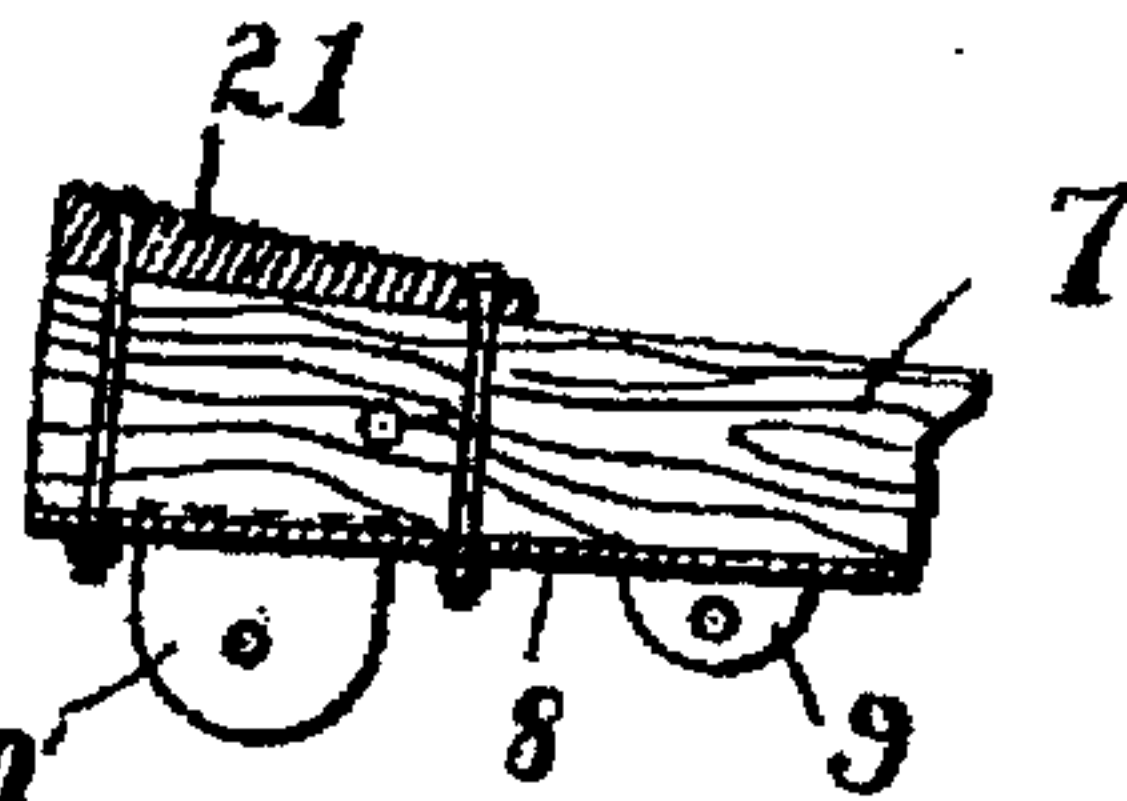


Fig. 4.

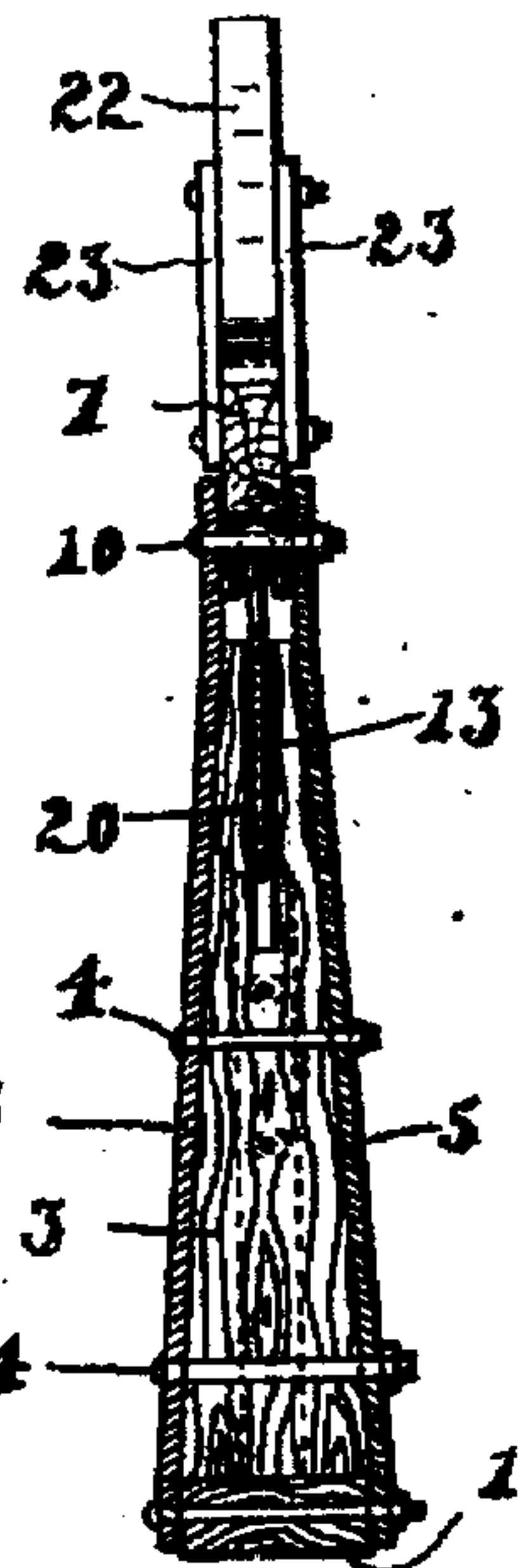


Fig. 3.

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UNITED STATES PATENT OFFICE.

COLE COLLIER AND JAMES C. RIGG, OF HOOKTOWN, KENTUCKY, ASSIGNORS TO HOWE MANUFACTURING COMPANY, OF HOOKTOWN, KENTUCKY.

LIFTING-JACK.

No. 886,766.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed July 31, 1907. Serial No. 386,370.

To all whom it may concern:

Be it known that we, COLE COLLIER and JAMES C. RIGG, citizens of the United States, residing at Hooktown, Kentucky, have invented certain new and useful Improvements in Lifting-Jacks, of which the following is a specification.

Our invention relates to lifting jacks for use in lifting wagons and for other purposes where the said appliances are designed to be employed and our object is to provide a simple and effective construction which may be placed upon the market at a reasonable price and one which will be durable and will meet all requirements in use.

The invention comprises the features, combination and arrangement of parts hereinafter described and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view of a lifting jack embodying our invention. Fig. 2 is a front view of the same. Fig. 3 is a sectional view on the line 3-3 of Fig. 1. Fig. 4 is a view of a detail part.

In these drawings 1 indicates the base of the jack consisting preferably of a block or strip of wood and upon this is supported a standard 2 of composite form. The main portion of this standard consists of a post 3 of wood, resting at its lower end upon the base and having secured to its side edges by through-bolts 4 the supplemental standard members 5 consisting of straps or bars of metal. These straps or bars extend both above and below the ends of the main post member 3 and at their lower ends they embrace the base portion of the jack and are secured thereto by a bolt.

The upwardly extending ends of the side portions or straps provide a fork above the main standard member 3 in which is pivoted the lever 7 of the jack. This lever is composed of wood and in order to provide a strong and durable construction we employ a pivot iron 8 having an eye 9 to receive the pivot bolt 10. This pivot iron is secured to the lower face of the lever and it is extended forwardly and provided with depending ears 10' at or near its front end to receive between them the end of a locking lever 11 which is pivoted between the said ears by a bolt 12. This locking lever has a segmental portion 13 notched at 14 and adapted to thus engage a detent iron 15. This iron is formed of metal

having a portion lying along the face of the wooden member of the standard to which it is secured by bolts 16 and it has an angular portion 17 extending to the base and provided with a foot 18 which is bolted to the base. The segmental portion of the locking lever passes through a slot 20 at the upper end of the wooden bar and its notches engage the detent iron.

The handle of the locking lever extends along beneath the main lever so that with one hand the operator can manipulate both the main lever and the locking lever. On the upper edge of the main lever a wear plate 21 is secured by the same bolts which are used to secure the pivot iron in place. We also employ an adjustable block 22 connected with the main lever by links 23, said block having a wear plate 24 thereon. This block is adapted to be swung to and from position over the wear plate on the main lever and by this the jack is adapted to operate in connection with vehicles having different heights of axles or with articles of different heights. The base of the jack is provided with straps or irons 25 extending along its side edges, said irons having projecting portions at the end of the base in which is journaled a roller 26.

We claim as our invention:

1. In combination in a lifting jack, a base, a standard comprising the main portion of wood, the supplemental iron portions or straps secured to the edges of said main wooden portion and projecting above and below the same, the lower projecting parts of the supplemental standard members embracing and being secured to the base, and the upwardly projecting parts forming a fork, a main lifting lever journaled in the fork, formed by the projecting supplemental standard members and means for locking the main lever in place, substantially as described.

2. In combination in a jack, a base, a standard, extending up therefrom comprising a main portion, supplemental standard portions secured to the edge of the main portion and projecting above and below the same, the lower projecting ends of said supplemental standard portions embracing and being secured to the base, a main lever, a pivot iron secured to the lower edge of said main lever and lying between the fork formed by the upwardly projecting supple-

mental standard portions, said pivot iron having an extension with ears depending therefrom and a locking lever pivoted in said ears, substantially as described.

- 5 3. In combination in a lifting jack, a base, a main lever, a standard to which said main lever is pivoted a pivot iron having ears depending therefrom, said iron being on the lower face of the main lever and locking lever pivoted in said ears, a wear plate on the upper face of the main lever and bolts passing

through the wear plate, main lever and pivot iron for holding the said parts together, substantially as described.

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

COLE COLLIER.
JAMES C. RIGG.

Witnesses:

JNO. F. COLLIER,
C. RANKIN.