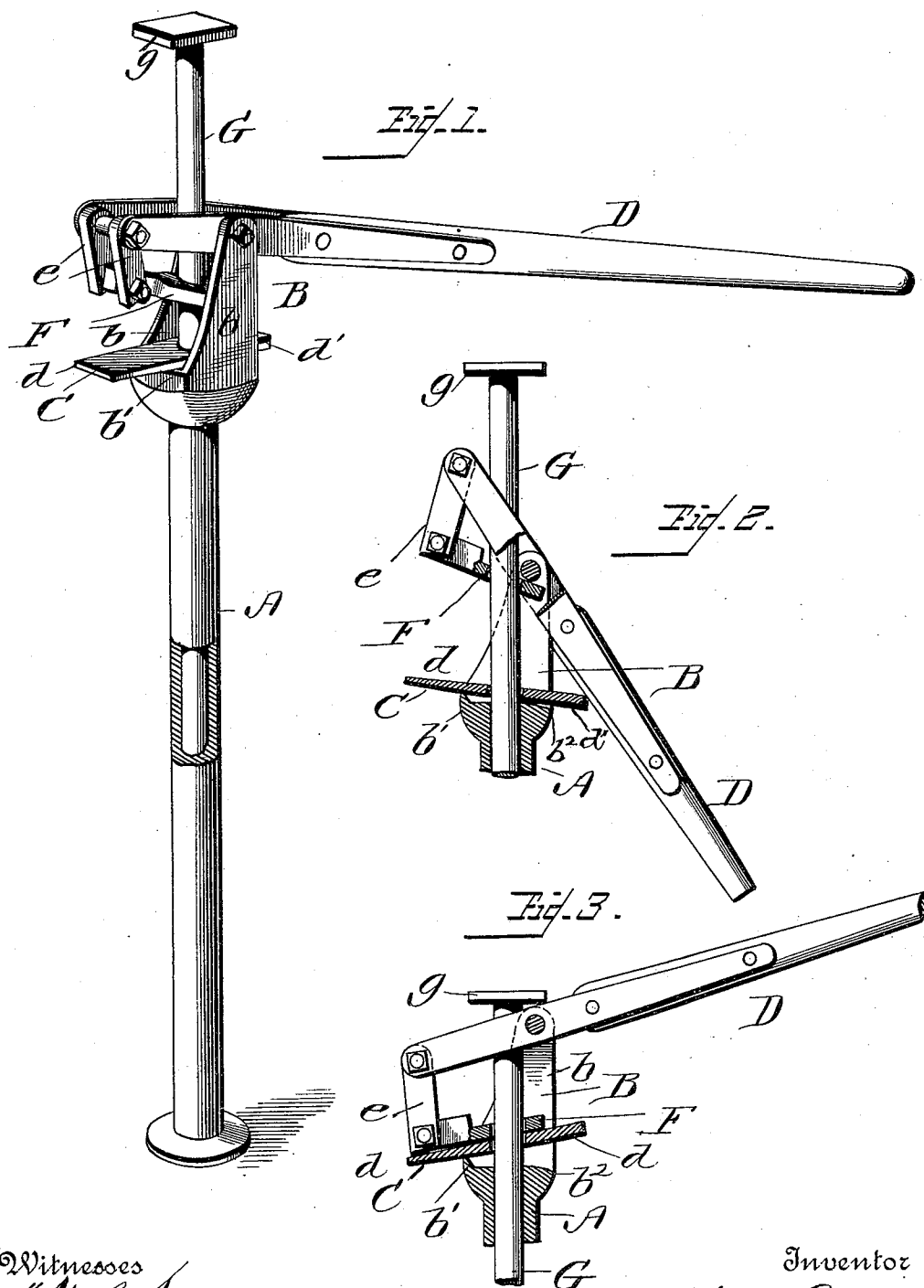


(No Model.)

W. ORCUTT.
LIFTING JACK.

No. 463,336.

Patented Nov. 17, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM ORCUTT, OF ABILENE, KANSAS.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 463,336, dated November 17, 1891.

Application filed July 30, 1891. Serial No. 401,130. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ORCUTT, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented certain new and useful Improvements in Lifting-Jacks; 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 wagon-jacks of that class in which a clutch is carried by the operating-lever, and a second or detent clutch is provided to hold the elevating-bar in position during the time the lifting-clutch is returning to obtain a new grip on the said elevating-bar.

The object of the invention is to provide simple and efficient means for positively actuating the two clutches by means of the operating-lever to simultaneously release them from the elevating-bar when it is required to lower the same, and which operating-lever will engage with the detent-clutch at the limit of its lowest motion and cause the said detent-clutch to take a firm hold on the elevating-bar.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a wagon-jack embodying my invention, part of the standard being broken away. Fig. 2 is a detail view of the upper portion of the jack, partly in section, showing the relative position of the parts when the operating-lever is at the lowest limit of its motion. Fig. 3 is a view similar to Fig. 2, showing the relative position of the parts when the operating-lever is at the limit of its upward motion.

The standard A is tubular and provided with a foot at its lower end, and with a head B at its upper end, which is provided with vertical ears *b*, and with a vertical crest *b'* at one end, on which the detent-clutch C obtains

a fulcrum. The end of the head opposite the crest or ridge *b'* is beveled, as shown at *b²*, to permit the free movements of the detent-clutch on the said ridge or crest. The operating-lever D is supported between the upper ends of the ears *b* near one end, and the end of the short arm is connected by links *e* with the lifting-clutch F. The detent-clutch is adapted to tilt on the crest *b'*, and the rear end *d* thereof is constructed to be engaged by the clutch F, when the long arm of the operating-lever D is elevated to the highest limit to release the said detent-clutch C from the elevating-bar G. This movement also disengages the lifting-clutch from the elevating-bar and permits the latter to descend. The front end *d'* of the detent-clutch projects sufficiently far to be engaged by the long arm of the operating-lever when the latter is depressed to its lowest limit to cause the said detent-clutch to take a firm hold or grip on the elevating-bar G. The clutches work between the ears *b*, and are of well-known construction and operation. The elevating-bar G works in the tubular standard A, and through suitably-constructed openings in the clutches, and is provided at its upper end with head *g*, which obtains a purchase on the under side of the axle or other device to be lifted.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a lifting-jack, the combination, with the standard having the crest *b'*, the detent-clutch adapted to tilt on the said crest, and the elevating-bar, of the lifting-clutch, and the operating-lever constructed to actuate the said lifting-clutch and release the said detent-clutch, substantially as described.

2. In a lifting-jack, the combination, with the standard, the head at the upper end of the standard having crest *b'* and the beveled portion *b²*, the detent-clutch, and the elevating-bar, of the lifting-clutch and the operating-lever having connection with the said lifting-clutch and constructed to actuate the said clutches, in the manner set forth, to re-

lease them or cause the detent-lever to take a firm hold on the elevating-bar, substantially as specified.

3. A lifting-jack composed of a tubular
5 standard, a head on the standard having vertical ears *b*, crest *b'*, and the beveled portion *b²*, the detent-clutch adapted to tilt on the crest *b'* and having its ends projected beyond the ends of the said head, the lifting-clutch,
10 the operating-lever supported between the

ears *b* and having connection with the lifting-clutch, and the elevating-bar, substantially as described.

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

WILLIAM ORCUTT.

Witnesses:

LIZZIE FRITZ,
R. F. RUSSEL.