

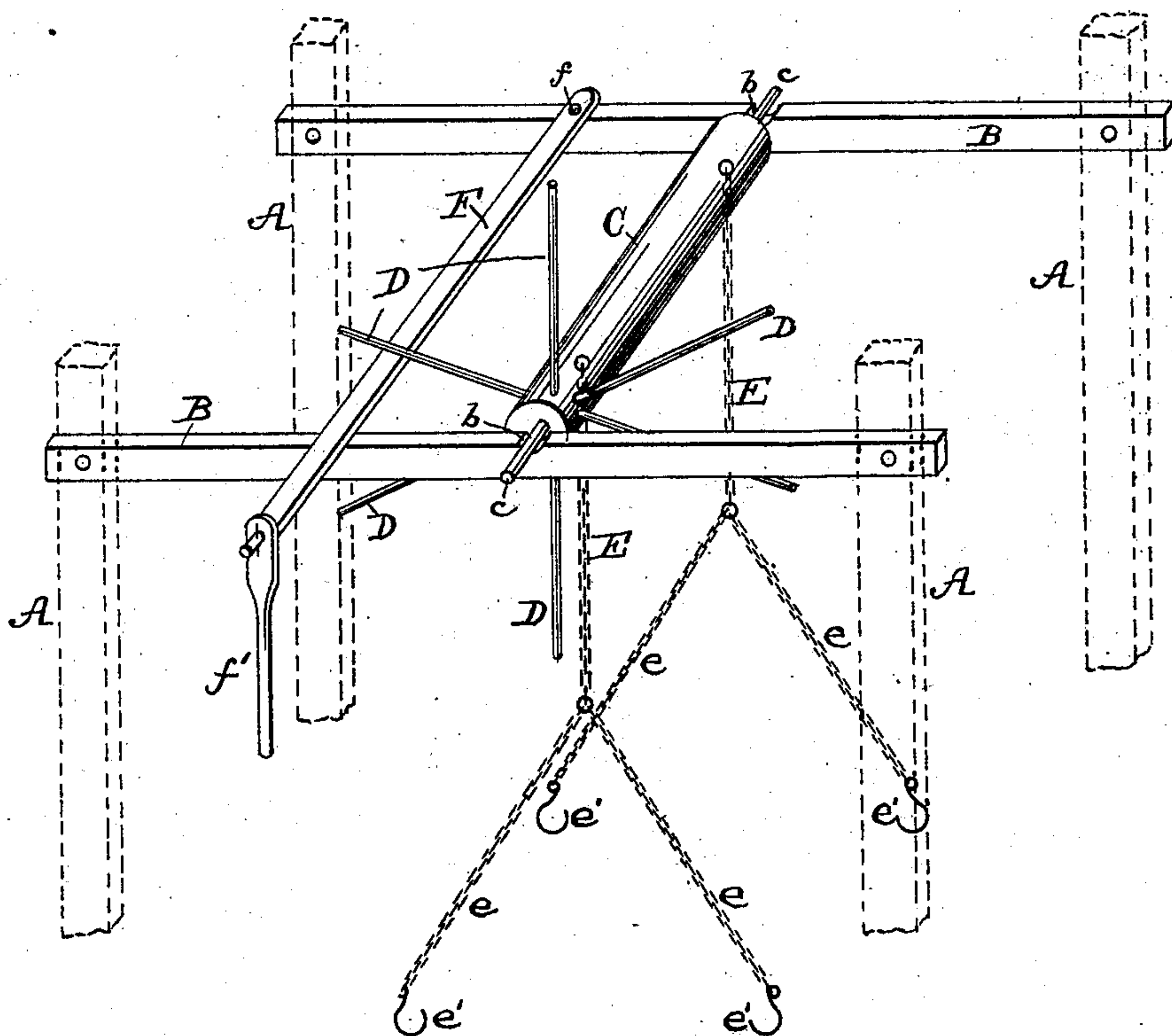
(No Model.)

J. B. BRICKHOUSE.

DEVICE FOR LIFTING WAGON BODIES.

No. 287,502.

Patented Oct. 30, 1883.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN B. BRICKHOUSE, OF CLARKSVILLE, TENNESSEE.

DEVICE FOR LIFTING WAGON-BODIES.

SPECIFICATION forming part of Letters Patent No. 287,502, dated October 30, 1883.

Application filed July 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. BRICKHOUSE, a citizen of the United States, residing at Clarksville, in the county of Montgomery and State of Tennessee, have invented certain new and useful Improvements in Machinery for Lifting and Lowering Wagon-Bodies; and I do 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, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to mechanical devices, in connection with ordinary wagon shelters or sheds, to raise a wagon-body from its running-gear and leave it suspended under shelter when not in use, and to lower it upon the running-gear when again needed. The object of the invention is to overcome that costliness of construction and inconvenience of operation that have prevented such devices from coming into extensive use among farmers who are accustomed to use one set of running-gear with sundry bodies.

Briefly described, the invention consists of an ordinary windlass with hand-spokes, chains, slings, and grapples, and a sliding pawl to hold the body in place when suspended under shelter.

A A are sections of the frame-posts of an ordinary wagon-shed. To these posts, at a proper distance beneath the roof, are bolted the cross-beams B B, in which are formed the half-round recesses *b b*, which serve as bearings for the axles *c c* of the windlass C. This windlass is revolved by means of the rigid spokes or levers D D. Chains E E wind and unwind upon the drum of the windlass, and they terminate in slings *e e* and grapple-hooks *e' e'*, by means of which the wagon-bed to be raised is lifted by means of staples or rings at or near its four corners. A bar, F, is rested upon the top of one of the cross-bars B B, being pivoted to the other bar at one end by the bolt *f*, while the other end is supplied with a

pivoted handle, *f'*, by means of which the bar can be slid between any two of the hand-spokes to stop the further unwinding of the chain, or slid back clear of the spokes when revolution of the windlass is desired.

In the operation of this device the teamster drives or leads his team under the shelter in a direction parallel with the cross-bars B B, and having caught the hooks *e' e'* in the rings provided on the wagon-bed, winds the chain by means of the hand-spokes until the body is lifted clear off from the running-gear, and as much higher as desired, when (holding the windlass fast by one hand) he draws the slide-bar between two of the spokes and so locks the windlass in position. The lowering of a body upon the running-gear is performed by a reverse operation, which needs not to be fully described. During the whole operation the teamster is on the ground close to his horses, and he has not to ascend, descend, and reascend any platform or ladder to raise or lower his wagon-body, or adjust his running-gear, or restrain his team.

In the construction of the machinery care is of course to be taken that the windlass be high enough to raise the body to an effectual shelter beneath the roof of the shed, while the proportions of other parts are to be such that the operator can stand upon the level floor of the shed in raising and lowering a wagon-body.

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

In machinery for lifting wagon-bodies, the combination consisting of the posts A A, the cross-bars B B, with recesses *b b*, the drum C, with axles *c c* and hand-spokes D D, the chains E E, with slings *e e* and hooks *e' e'*, and the slide-bar F, with pivot-bolt *f* and handle *f'*, for the purposes described.

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

JOHN B. BRICKHOUSE.

Witnesses:

ED. J. MUNFORD,
JAMES G. FAXON.