J. BOND.

Dumping-Wagon.

No. 168,555. Patented Oct. 11, 1875.

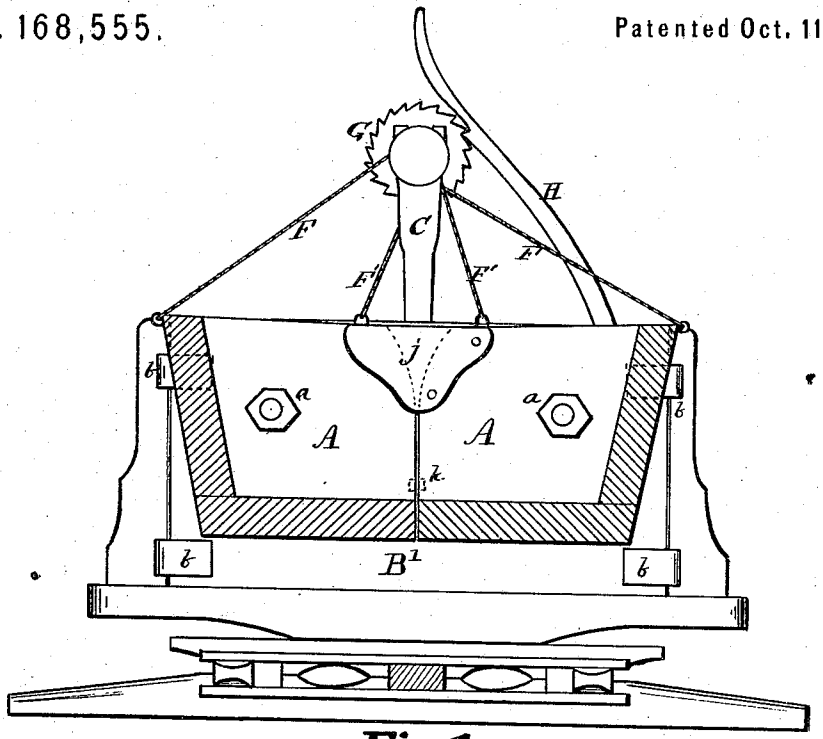

Fig. 1.

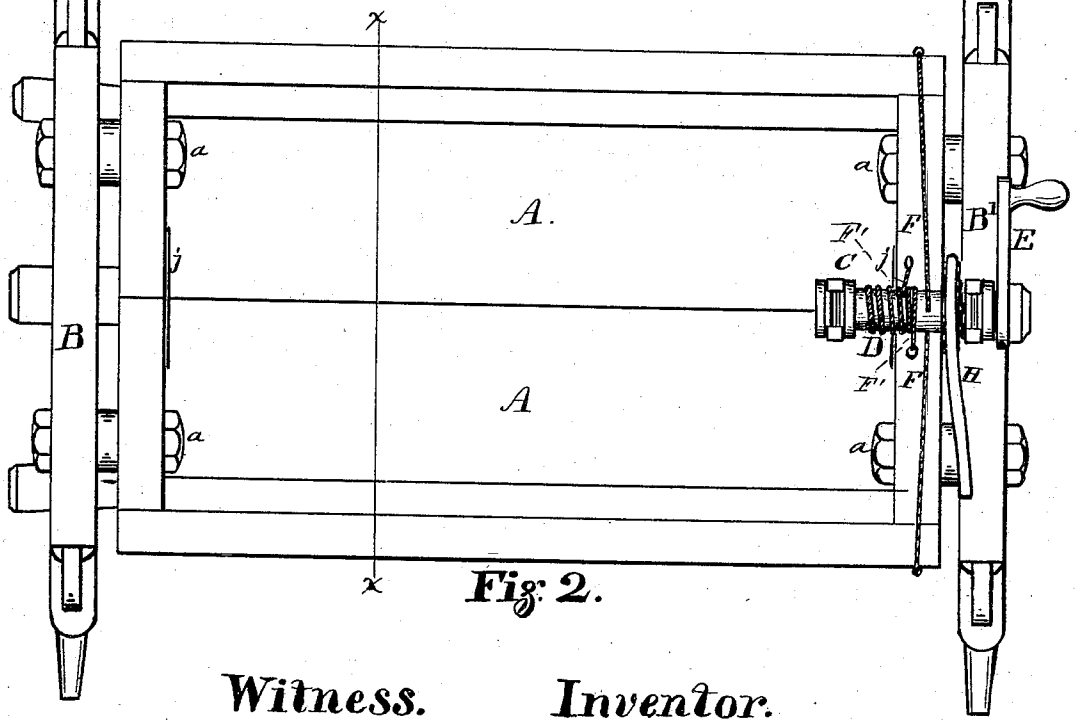

Fig. 2.

Witness.

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UNITED STATES PATENT OFFICE.

JACOB BOND, OF CLEVELAND, OHIO.

IMPROVEMENT IN DUMPING-WAGONS.

Specification forming part of Letters Patent No. **168,555**, dated October 11, 1875; application filed February 24, 1875.

To all whom it may concern:

Be it known that I, JACOB BOND, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new Dumping-Wagon, of which the following is a specification:

This invention relates to that class of wagons called "dumping-wagons;" and consists of a divided box pivoted at the ends to end boards, in such a manner that the two halves may be tilted, for opening the box lengthwise through the middle, for discharging its load, this being accomplished by cords or chains attached to the outer and inner edges of the said halves, and operated by a windlass, as hereinafter fully shown.

To enable others to fully understand my invention, I proceed to describe the same in detail with the aid of the accompanying drawing, in which—

Figure 1 is a cross-section in the line *x x* of Fig. 2, which is a plan or top view.

A A represent the box, divided centrally throughout its length into two equal halves. The said halves are pivoted with strong bolts *a a* to the two end boards B B′, at the point where they will be evenly balanced. The end boards B B′ are fitted to lie upon the bolsters of a wagon, and stand between the bolster-stakes, having guide-pieces *b b*, which secure them in place. To the front end board B′ is attached an upright post and frame, C, carrying a windlass, D, operated by a crank, E. Cords or chains F F′ connect the windlass to the front corners, and at the central division, by means of which the sides of the box are tilted inwardly, and by which they are closed again. The windlass is provided with a ratchet-wheel, G, with which a ratchet-lever, H, engages, for holding the divided box closed together until it is required to open it for discharging the load. This windlass is situated at a convenient position to be operated by the driver while sitting in his seat.

It will be observed that the end boards B B′ are fitted between stakes on the bolsters, so that the box is readily adapted to the common running parts of a wagon, no change being necessary to apply it.

The ends of the box A A, where the two halves come together, have the upper corners rounded off, so as not to interfere in tilting them, and the space is covered by a plate, *j*, attached to one side, to prevent dirt from interfering. There is also a pin or stop, *k*, placed on the inside of the end boards, at the point of intersection of the bottom of the box, to prevent the either half closing in beyond the center line.

By this mode of construction a convenient and economical dumping-wagon is obtained.

Having described my invention, I claim—

1. In a dumping-wagon, the halves A A of the box or body, balanced on pivots *a a*, and to be operated by means of cords F F′, extending from the outer and inner ends of the parts A A, and combined with a windlass, D, substantially as shown and described.

2. In a dumping-wagon, the combination of the centrally-divided box A A, balanced on pivots *a a*, with the end boards B B′, constructed for adaptation to ordinary running-gear, substantially as shown and described.

JACOB BOND.

Witnesses:

GEO. W. TIBBITTS,

ANDREW SQUIRE.