

J. Holmes.

Dumping Wagon.

N<sup>o</sup> 76192

Patented Mar. 31, 1868.

Fig. 1.

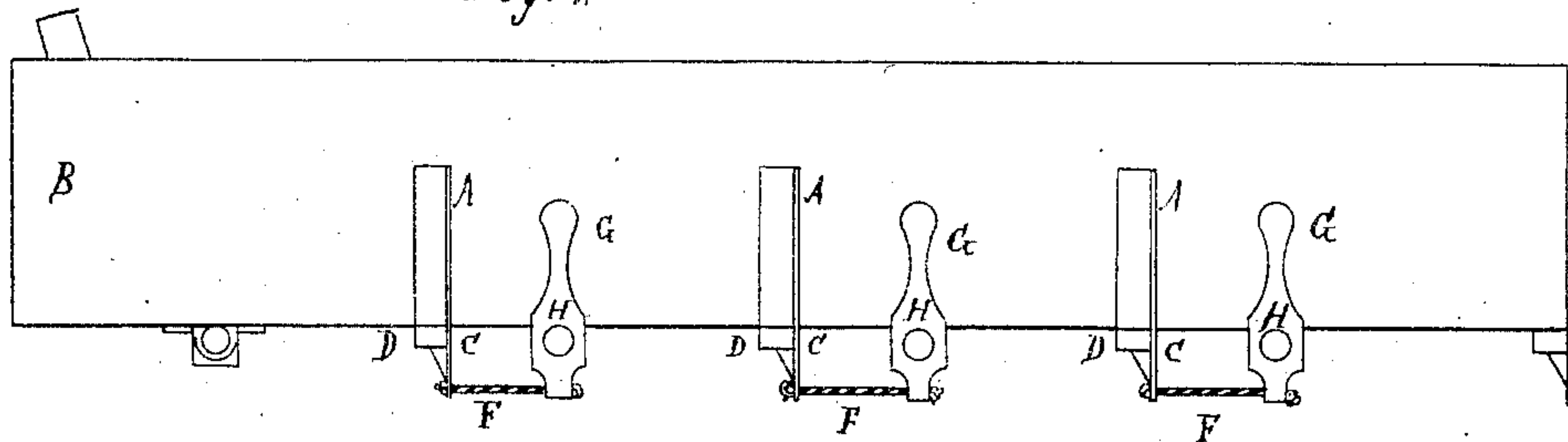


Fig. 2.

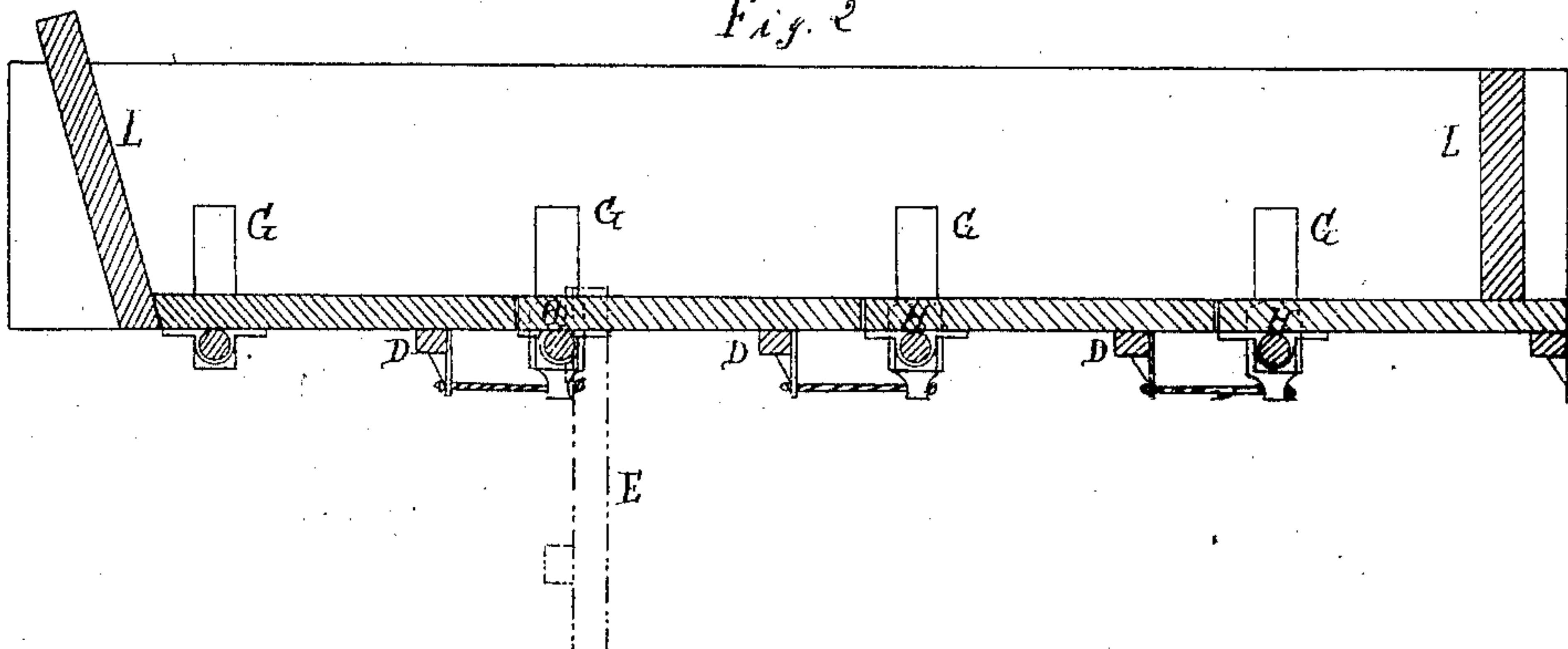
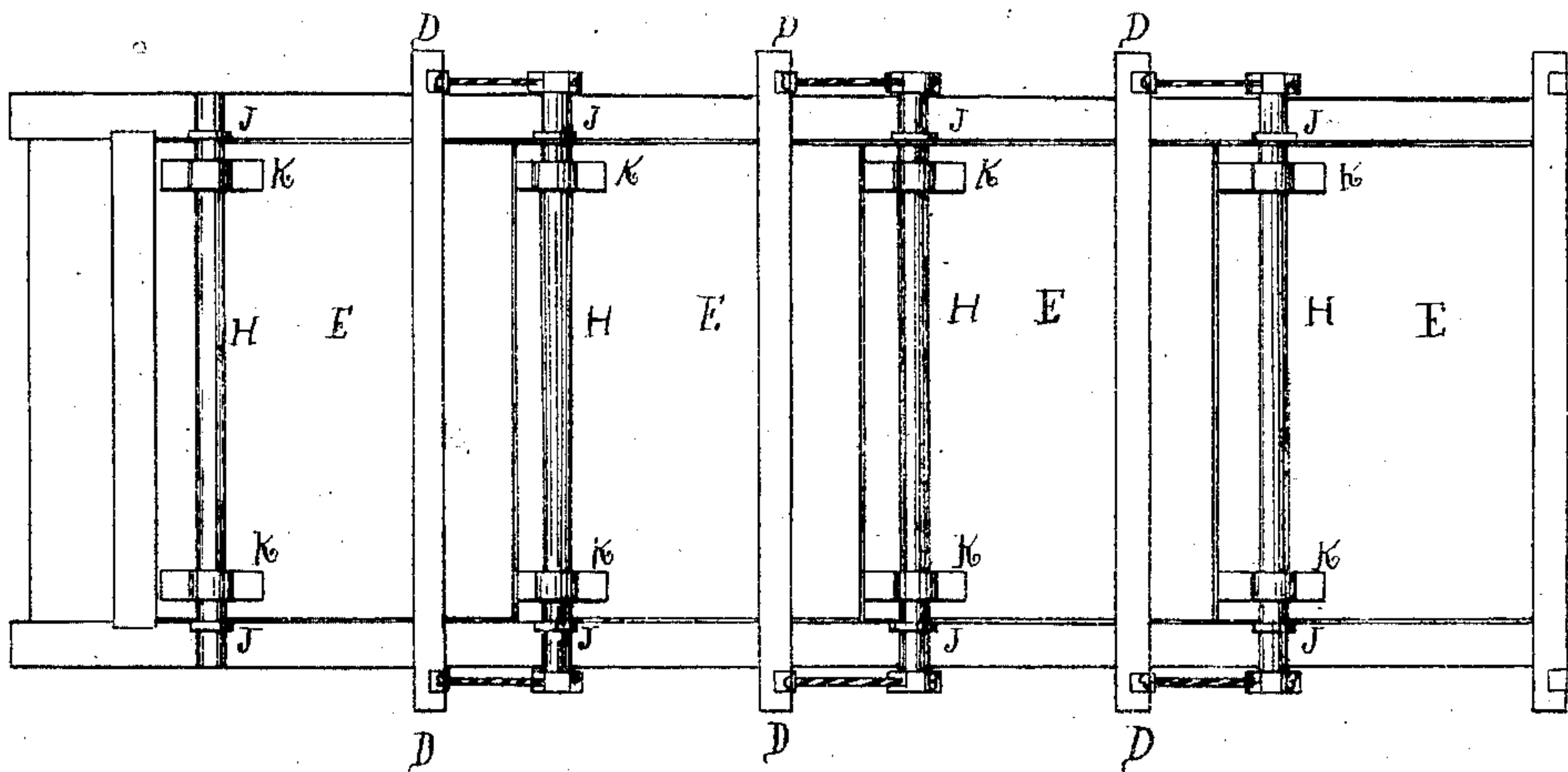


Fig. 3.



Witnesses  
A. D. Mayhew  
Samuel King

Inventor:  
John Holmes  
By his atty  
S. F. Reigart

# United States Patent Office.

JOHN HOLMES, OF JOHNSON, VERMONT.

*Letters Patent No. 76,192. dated March 31, 1868.*

## IMPROVEMENT IN DUMPING-WAGON.

*The Schedule referred to in these Letters Patent and making part of the same.*

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN HOLMES, of Johnson, county of Lamoille, and State of Vermont, have invented Improvements in Dumping-Wagons; and I hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a side elevation of the body of the wagon.

Figure 2 is a longitudinal sectional view, and

Figure 3 is a view of the under side of the body.

The nature of my invention consists in the arrangement, construction, and combination of the side levers, side springs, rollers, and falling gates or bottom doors.

A A represent the springs on both sides of the body B, the bottom of the spring having a ledge, C, for the cross-bar D of the falling gate E to rest on. This ledge or offset C, by means of the cross-bar D, supports the gate E, and holds each gate in its place, so as to form a firm bottom to the body. To the points of the springs A A are attached short connections, straps, or ropes, F, that connect the points of springs A to the lower ends of levers G. These levers G operate on each side of the body, being fastened to the ends of rollers H that pass across the bottom of the body, and are the hinges of the falling doors or gates E. The rollers H are held permanently to the lower edges of the body by clips, J, and to the gates E by clips K, the rollers revolving in the clips J and K, and when any one of the gates E is to be opened to discharge the load, the lever G is pressed towards the top of the spring, which draws back the point of the spring A, and draws away the support C from the cross-bar D, and the gate E instantly falls. L L are the end boards of the body.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the levers G, connections F, and springs A, with their offsets C, when constructed, combined, and operating as herein described, and for the purpose set forth.

JOHN HOLMES.

Witnesses:

D. G. HOLMES,  
GILBERT LARAWAY.