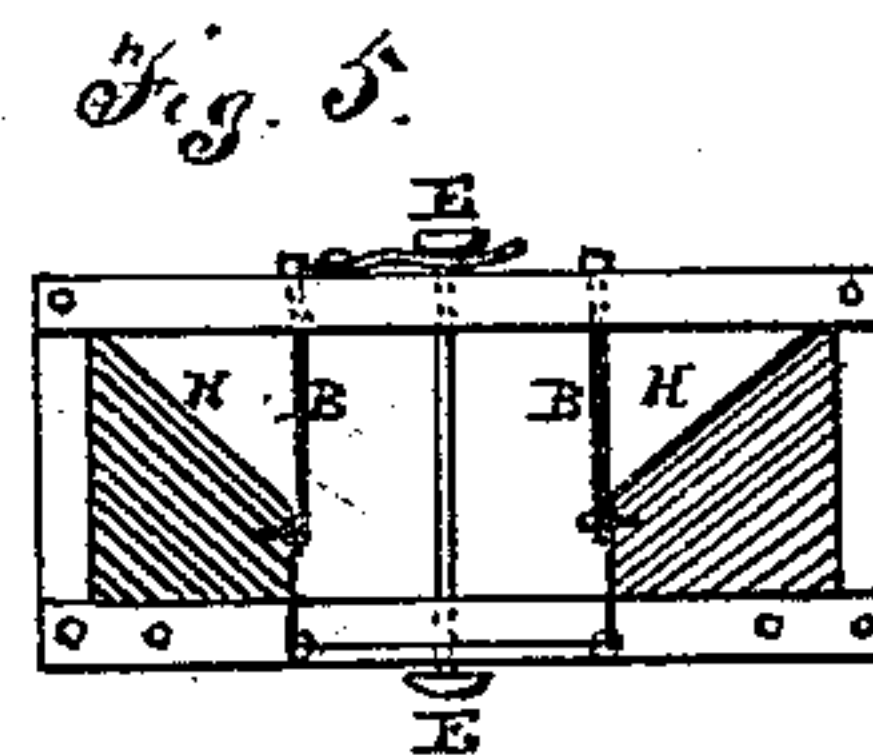
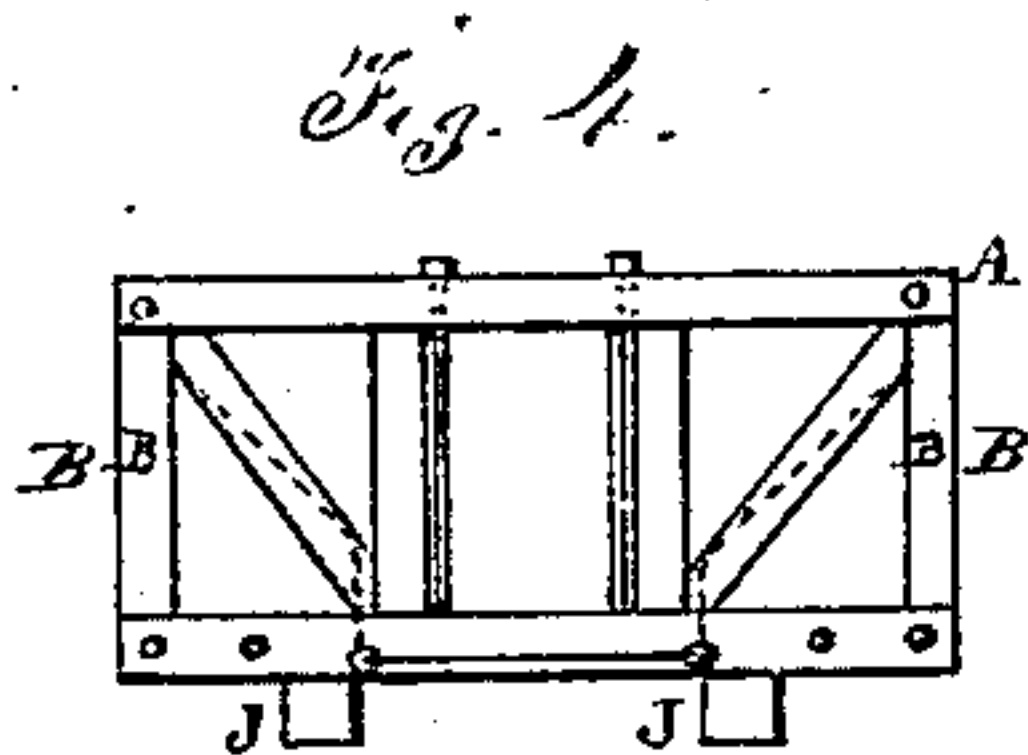
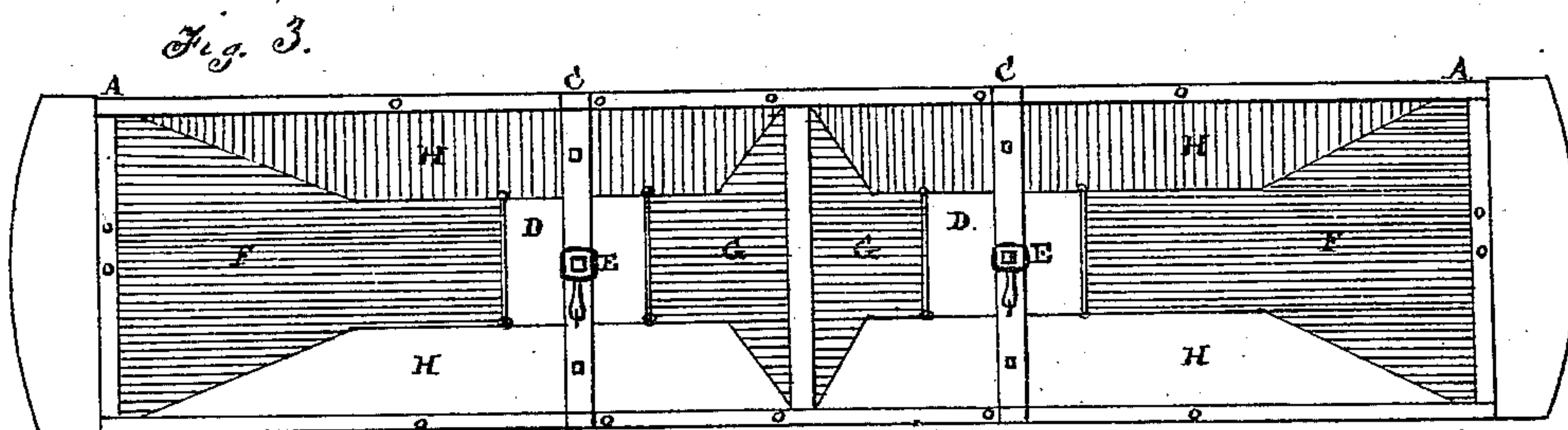
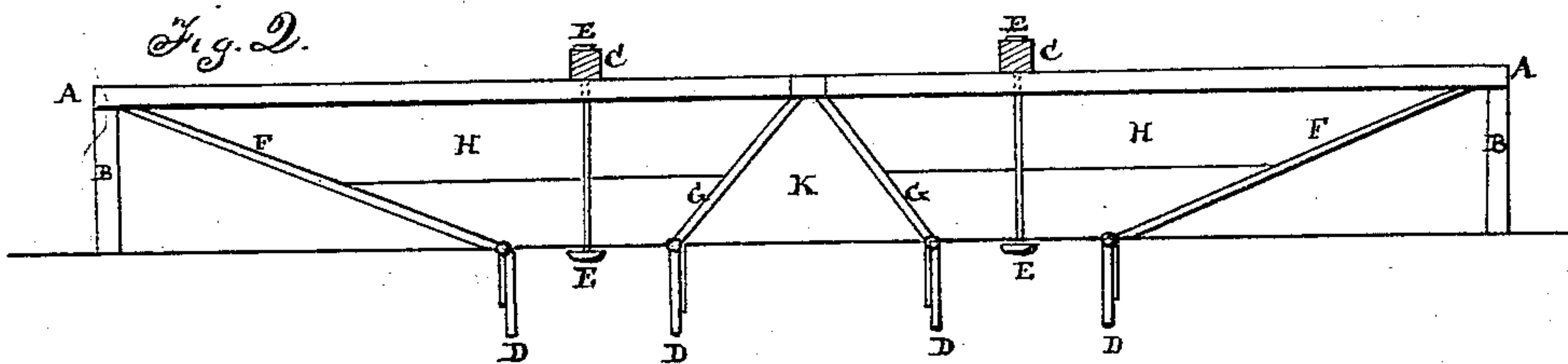
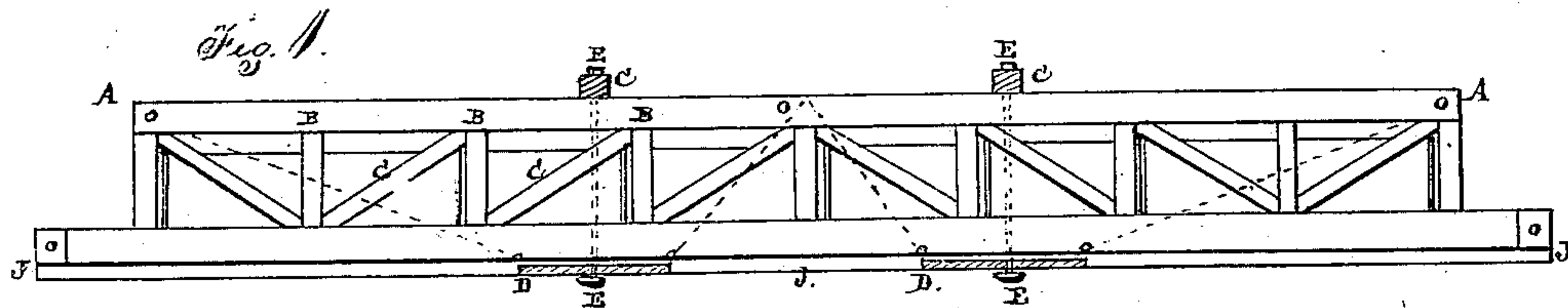


D. S. COOK.

Improvement in Dumping-Car.

No. 126,029.

Patented April 23, 1872.



Witnesses-

J. M. Reigart.
H. C. Dodge

David S. Cook.

Inventor.

By his Atty. J. F. Reigart.

UNITED STATES PATENT OFFICE.

DAVID S. COOK, OF WRIGHTSVILLE, PENNSYLVANIA.

IMPROVEMENT IN DUMPING-CARS.

Specification forming part of Letters Patent No. 126,029, dated April 23, 1872.

To all whom it may concern:

Be it known that I, DAVID S. COOK, of Wrightsville, York county, State of Pennsylvania, have invented an Improved Coal or Ore Car that I style the "double-dump eight-wheel ore or coal car;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification, in which—

Figure 1 represents a side elevation of the double-dump car-body with the two gates closed. Fig. 2 represents a longitudinal section of the same car-body with the two gates open and exhibiting the inclines from the front, rear, and center of the car to the edges of the gates. Fig. 3 exhibits a top view of the body of the car, showing the incline bottoms from the ends to the gate-ways; also the incline sides. Fig. 4 represents an end elevation of the eight-wheel car, and showing by the dotted lines the shape of the incline sides. Fig. 5 represents a cross-section, through the center of one of the gates, the central supporting-rod, and the shape of the incline sides.

The nature of my invention consists in the construction of a double-dump for eight-wheel cars, composed of two apartments with double gate-ways in each, and double-incline sides, and a central angular apartment for carrying or containing tools, &c. The object of my invention is to facilitate unloading an eight-wheel car, and, at the same time, the ore or coal is unloaded free of the axles or wheels, and by having the great weight transferred from the center of the car to where it should be upon the front and rear trucks or wheels, I completely relieve the car in the center and prevent it from sagging in the middle, which effectually obviates the difficulties of carrying and unloading ore or coal as heretofore.

The construction and operation of my double-apartment car has decided advantages over single-apartment cars, as it is an eight-wheel car carrying its load on the wheels, having an angular central apartment, and all the sides

inclines, and with the double gate-ways, saving time and labor in carrying and unloading. The eight-wheel cars with single apartments have but one set of gates and a flat space at each end of the car, from whence the ore or coal must be thrown by the hand, the gates being in the center of the car; and the greatest weight is, consequently, carried there, it being the lowest part of the bed, which frequently causes the car-bed to break in two; but my invention or double-apartment car is stronger, more durable, and unloaded with less cost.

My car-bed may also be used as a farm-wagon, with similar incline bottoms, sides, and gates, for carrying and unloading apples, potatoes, corn, &c.

A represents the outside frame of the car with its stays B, braces C, and gates D D in the bottom, closed and locked by the central upright key-rod E. At Fig. 2 the gates D D are represented as parted in the center and open, hanging down by their hinges with the incline bottoms F and G extending from the gate-ways to the center and each end of the car up to the top edge of the frame A. The sides H H of the car, as shown at Fig. 5, are angular shaped, inclining from the top to near the long beams J J of the bottom of the car where the sides are vertical and allow the ore or coal to drop from the incline suddenly down through the gate-ways freely, rapidly, and without choking. The triangular center of the car K, by the two incline bottoms G G, forms a triangular apartment or space, K, which is intended to be used for carrying tools, ropes, oil-cans, &c.

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

The double-dump car, having three apartments with two gate-ways D D, incline sides H H, and central angular apartment K, when constructed and operated as herein described, and for the purposes set forth.

DAVID S. COOK.

Witnesses:

HANN WILTON,
T. D. KAUFFELT.