

(No Model.)

J. ROUGHAN.

COAL BARROW.

No. 300,513.

Patented June 17, 1884.

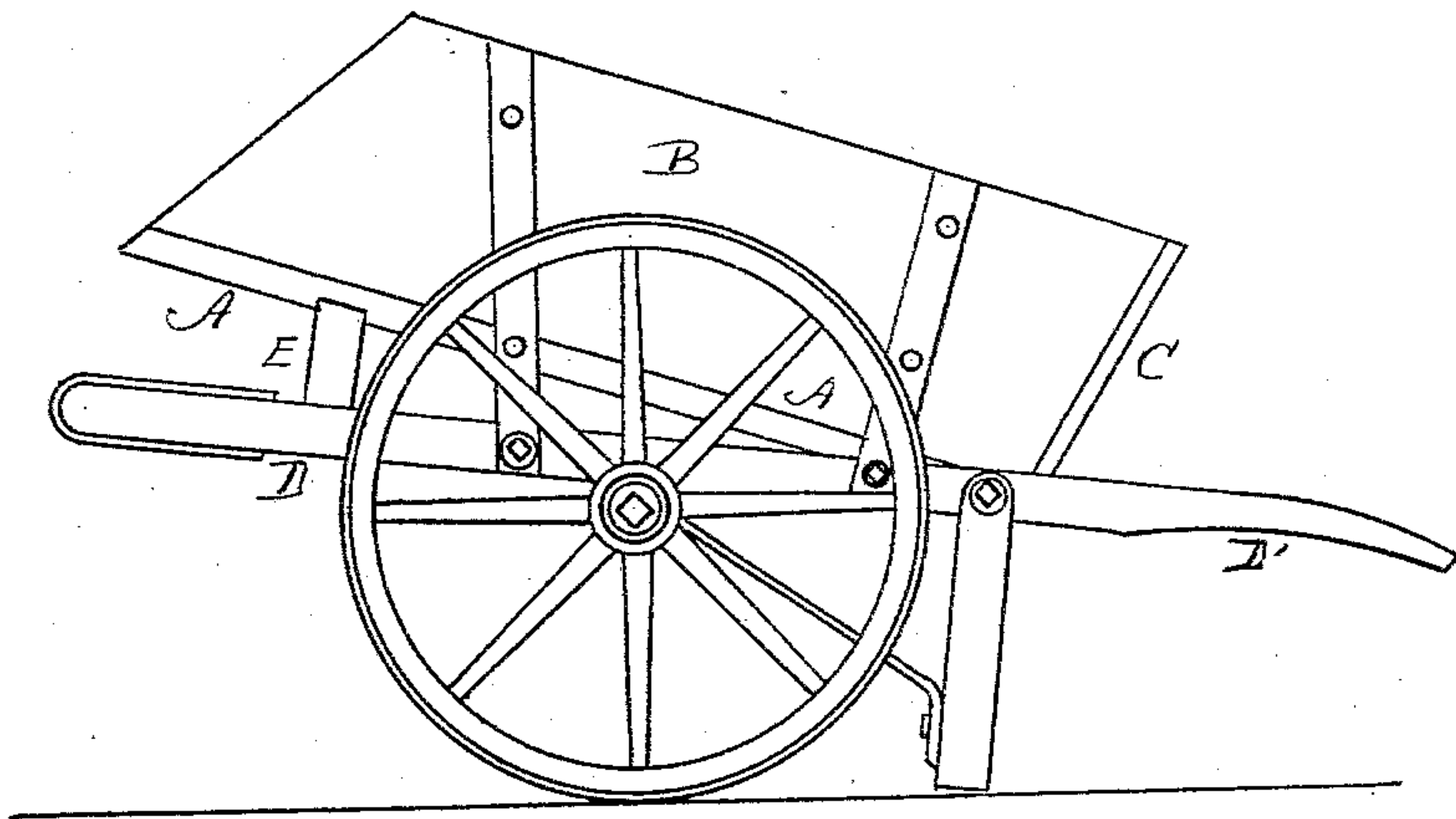
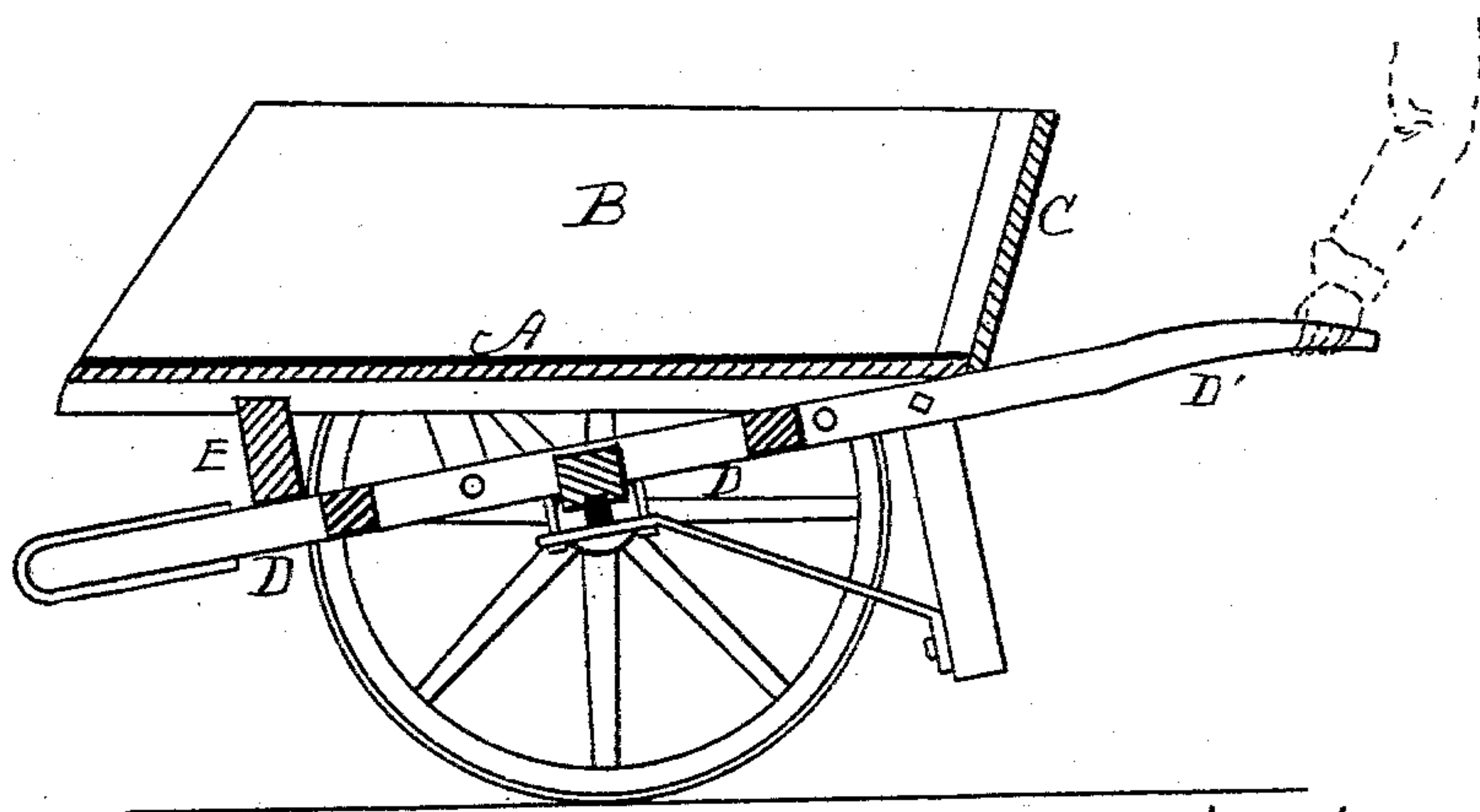


FIG. 1.



WITNESSES

Joseph Ishbaugh.
J. M. Hartnett.

FIG. 2.

INVENTOR

James Roughan,
By his Atty.
Henry Williams.

UNITED STATES PATENT OFFICE.

JAMES ROUGHAN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO ROUGHAN BROTHERS, OF SAME PLACE.

COAL-BARROW.

SPECIFICATION forming part of Letters Patent No. 300,513, dated June 17, 1884.

Application filed February 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES ROUGHAN, of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful
5 Improvements in Coal Hand-Barrows, of which the following is a specification.

This invention relates to that class of hand-barrows known as "coal-barrows," used principally in loading and unloading vessels, and
10 adapted to hold large quantities of coal. They have been constructed heretofore with ends or tail-pieces hinged at or near their upper edges to the sides of the barrow. The barrow is
15 dumped by tipping up its forward end, the tail-piece swinging outwardly, so as to allow the coal to slide out at the rear end. It often happens that the coal, especially when in large lumps, catches and clogs between the swinging
20 tail-piece and the floor of the barrow, violently tipping up the front end and handles, and as these barrows are frequently in use on tracks and walks—say twenty feet from the ground—the great weight of the coal thus collected at the rear end of the barrow often serves to pre-
25 cipitate it to the ground below, to the damage or ruin of the barrow, and has even in numerous instances carried the operator with it, sometimes seriously injuring him. I obviate this difficulty by constructing a coal-barrow
30 with an entirely open end or rear—*i. e.*, with floor, sides, and front piece only. This is prac-

ticable, as the floor inclines upwardly at a considerable angle from the front, so that in practice no coal will ever spill out at the rear end until the barrow is dumped.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a side elevation of the barrow at rest. Fig. 2 is a longitudinal vertical section
40 of the same in operation.

A represents the floor, B the sides, C the front end piece, and D the frame provided with the handles D'. The frame D projects slightly to the rear of the box, and forms a support for the barrow when dumped. The
45 floor A is inclined upward toward its rear by means of the prop E. The rear is entirely open, as above stated, and the floor is extended back beyond the upper edge of the sides for the purpose of adding to the capacity of the
50 barrow.

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

The herein-described coal hand-barrow, consisting of the inclined bottom A, sides B, front
55 C, and open rear end, combined with the frame D D' and prop E.

JAMES ROUGHAN.

Witnesses:

HENRY W. WILLIAMS,
J. M. HARTNETT.