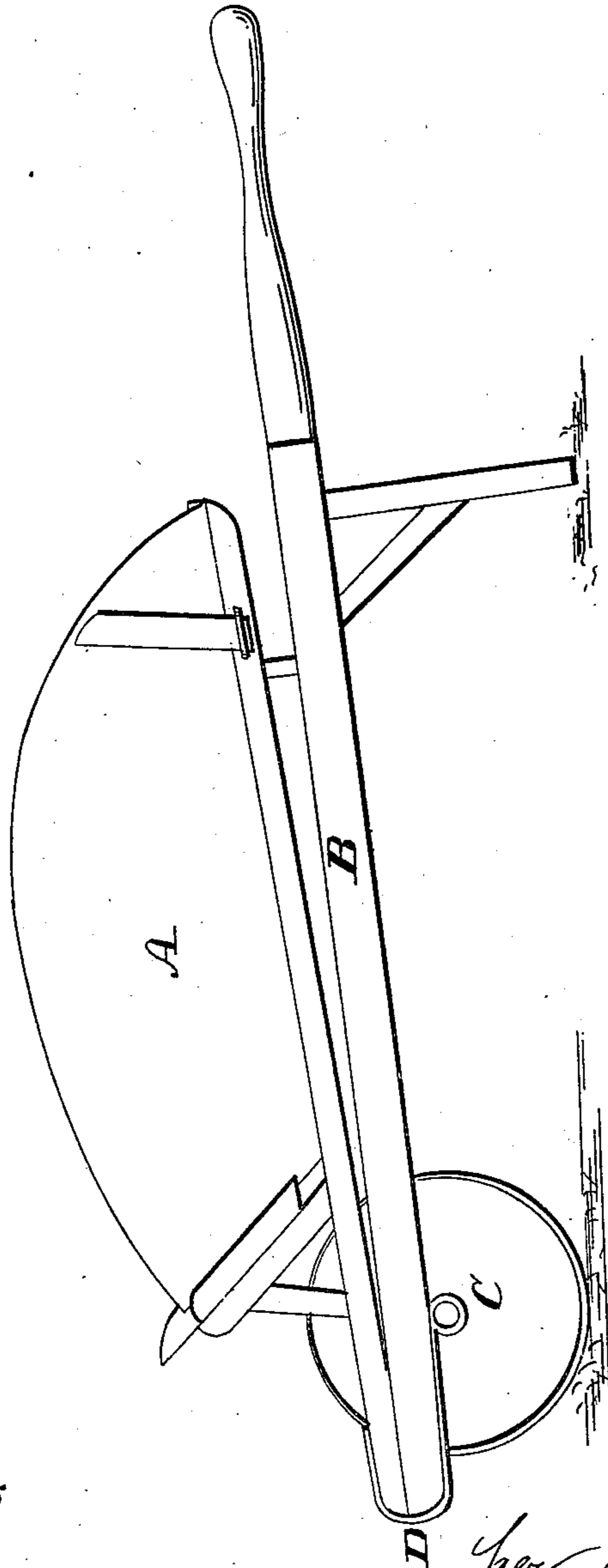


E. B. MARSHALL.

Wheelbarrow.

No. 83,189.

Patented Oct. 20, 1868.



Witnesses
H. Wansleben
Leopold C. G. Evers

Inventor
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Atty

United States Patent Office.

E. B. MARSHALL, OF ATLANTA, GEORGIA.

Letters Patent No. 83,189, dated October 20, 1868.

IMPROVEMENT IN WHEELBARROWS.

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, E. B. MARSHALL, of Atlanta, in the county of Fulton, and in the State of Georgia, have invented certain new and useful Improvements in Wheelbarrows and other vehicles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in placing the body of a wheelbarrow on springs attached to the shafts in such a manner that, by the action of these springs, the weight will be removed from the hands and arms of the persons using the same, and will rest on the wheel and axle of the barrow.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the annexed drawings, forming part of this specification, A represents the body of a wheelbarrow, attached to the ends of the shafts B by the springs D. These springs are fastened on the lower side of the shaft B, turned around the front edge, and fastened to the top side of the front part of the barrow. By this means the centre of gravity of the load will be in front

of the wheel C and axle of the barrow, thereby removing the weight from the shaft, and resting it on the wheel and axle. These springs D, which can be made of wood, iron, steel, or any other suitable material, may be placed at any point between the wheel and the handles of the barrow, if desired; but in this case they must be reversed, and attached to the top of the shaft and bottom of the barrow.

These springs may be attached to any vehicle on wheels for the conveyance of weights, freight, or passengers.

Having thus fully described my invention,

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

The springs D, made of wood, iron, steel, or other suitable material, and attached to vehicles of any description, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 4th day of April, 1868.

E. B. MARSHALL.

Witnesses:

C. M. PAYNE,
JETHRO W. MANNING.