

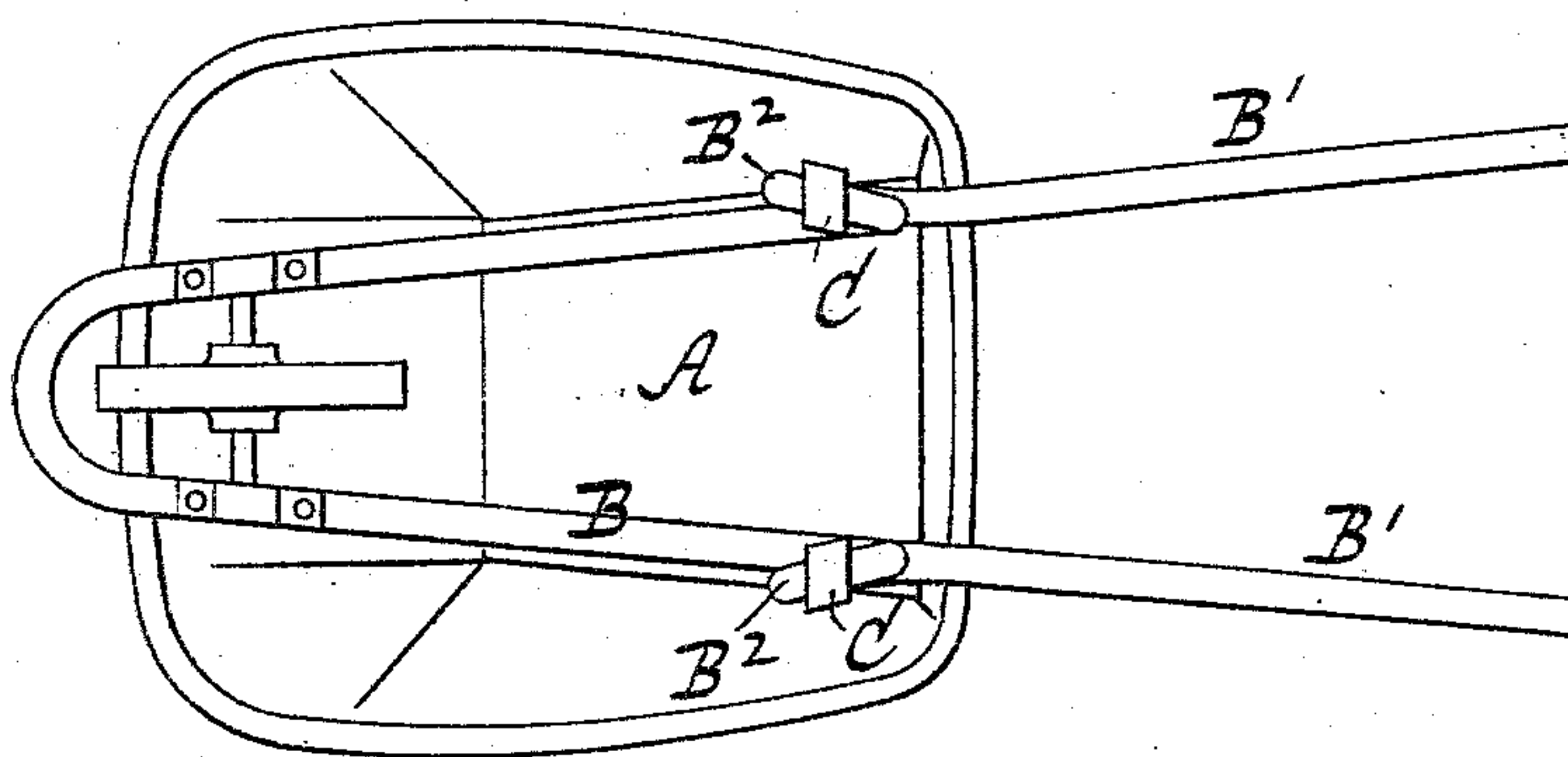
(No Model.)

D. B. S. COCKBURN.  
WHEELBARROW.

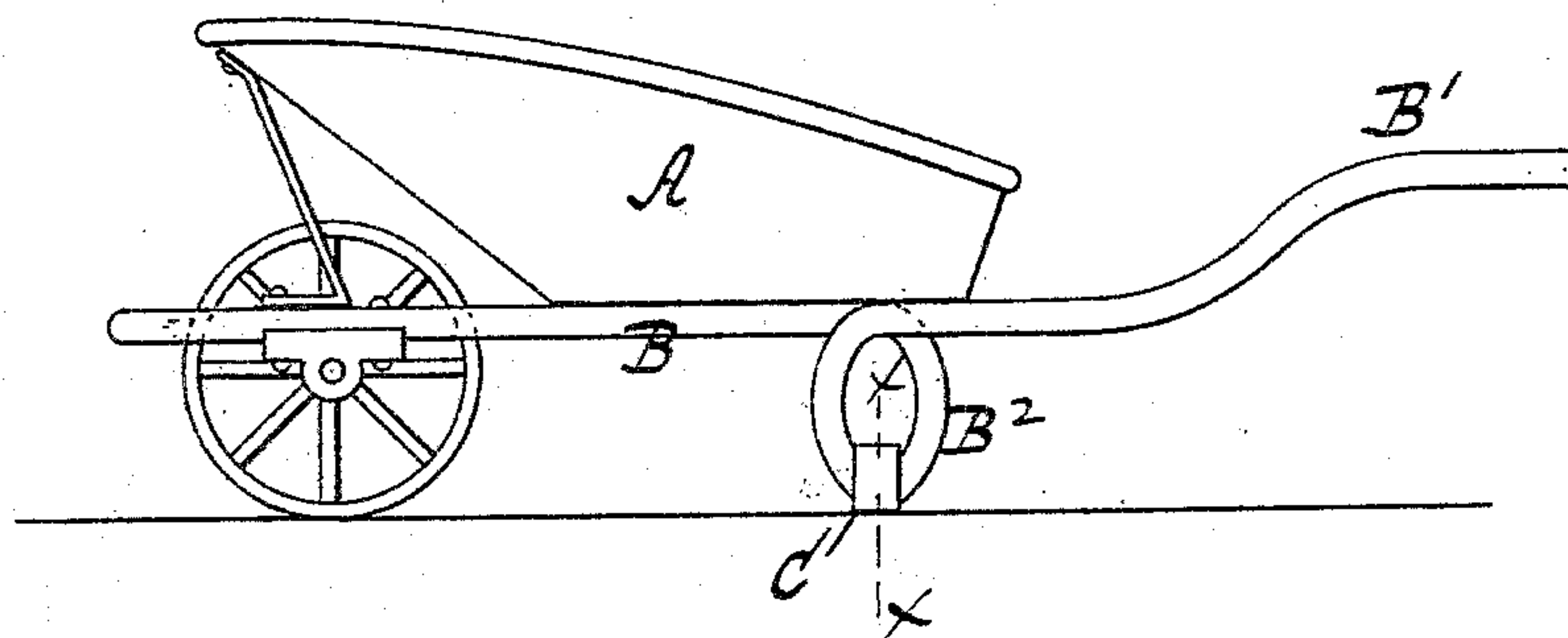
No. 288,019.

Patented Nov. 6, 1883.

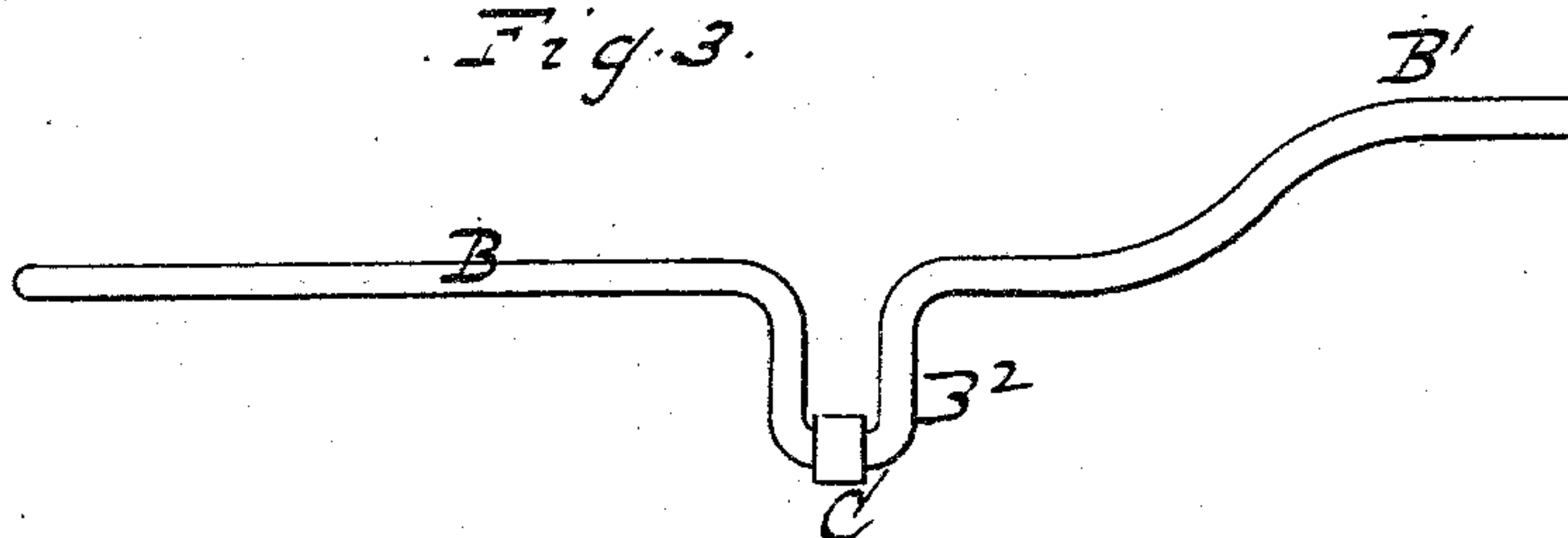
*Fig. 1.*



*Fig. 2.*



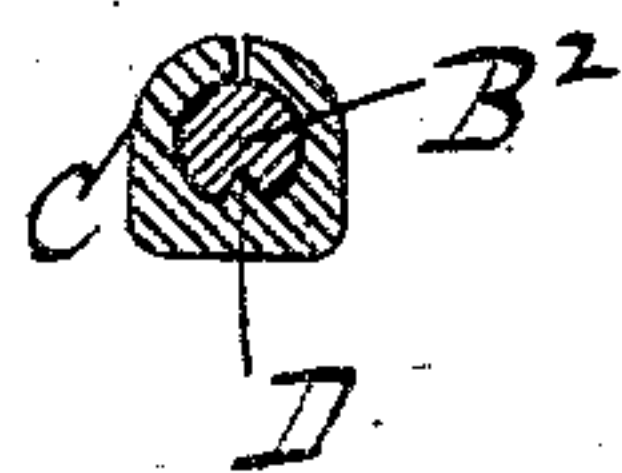
*Fig. 3.*



*Fig. 4.*

WITNESSES:

*William Miller*  
*Char. Wahlen.*



INVENTOR

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# UNITED STATES PATENT OFFICE.

DOUGALD B. S. COCKBURN, OF JERSEY CITY, NEW JERSEY.

## WHEELBARROW.

SPECIFICATION forming part of Letters Patent No. 288,019, dated November 6, 1883.

Application filed September 29, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, DOUGALD B. S. COCKBURN, a subject of the Queen of Great Britain, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Wheelbarrows, of which the following is a specification.

My invention relates, especially, to that class of wheelbarrows in which the frame and its handles are formed of a continuous metallic rod.

Prior to my invention the legs of the barrow have in most instances been united to this metallic rod by bolts; but such construction is objectionable, due to the labor involved, and also to the fact that the rod is weakened to a material extent by the holes made therein to receive the bolts, it thus being rendered liable to break. To overcome these objectionable features is the primary object of my invention, which I accomplish by the construction of parts hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is an inverted plan view of a wheelbarrow embodying my invention. Fig. 2 is a side view thereof. Fig. 3 shows a modification in the manner of forming the legs. Fig. 4 is a cross-section on the line  $x x$ , Fig. 2, showing a shoe to protect the legs.

Similar letters indicate corresponding parts.

The letter A designates the body of the wheelbarrow, also known as a "tray;" and B, the metallic rod forming the frame of the vehicle. This rod is substantially U-shaped in the horizontal plane of the barrow, and the ends thereof are extended in rear of the body, as heretofore, to form the handles B', while it is bent at points opposite each other to form the legs B<sup>2</sup>. These legs B<sup>2</sup> are at the points usually occupied by the legs of the barrow, and in the example shown in Figs. 1 and 2 are in the shape of coils, which may be of oval or of other proper figure. The legs, how-

ever, can also be produced by simply bending the rod B downward without coiling it, as shown in Fig. 3; but the coils are preferable on account of the superior strength thereby obtained.

It is evident that by making the legs B<sup>2</sup> in one piece with the rod B considerable labor is saved, while the rod is left free of holes to weaken it.

Each of the legs B<sup>2</sup> is provided with a shoe, C, at the base thereof, to protect the same against wear; and to hold these shoes in position they are simply bent to embrace the legs at the proper points, each shoe, moreover, having a center point, D, (see Fig. 4,) to enter a socket in the proper leg, and thus keep it from rocking.

It should be understood that the metallic rod B may be hollow or solid.

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

1. In a wheelbarrow, the metallic rod having coils at opposite points therein to form legs, such rod also forming the frame and handles, substantially as and for the purpose described.

2. The combination, with the continuous metallic rod forming the frame and handles and the legs of a wheelbarrow, of the shoes applied to the base of the legs, substantially as and for the purpose described.

3. The combination, with the continuous metallic rod forming the frame and handles and the legs of a wheelbarrow, of the shoes embracing the legs, and having center points to enter sockets of the legs, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

DOUGALD B. S. COCKBURN. [L. S.]

Witnesses:

CHAS. WAHLERS,  
WILLIAM MILLER.