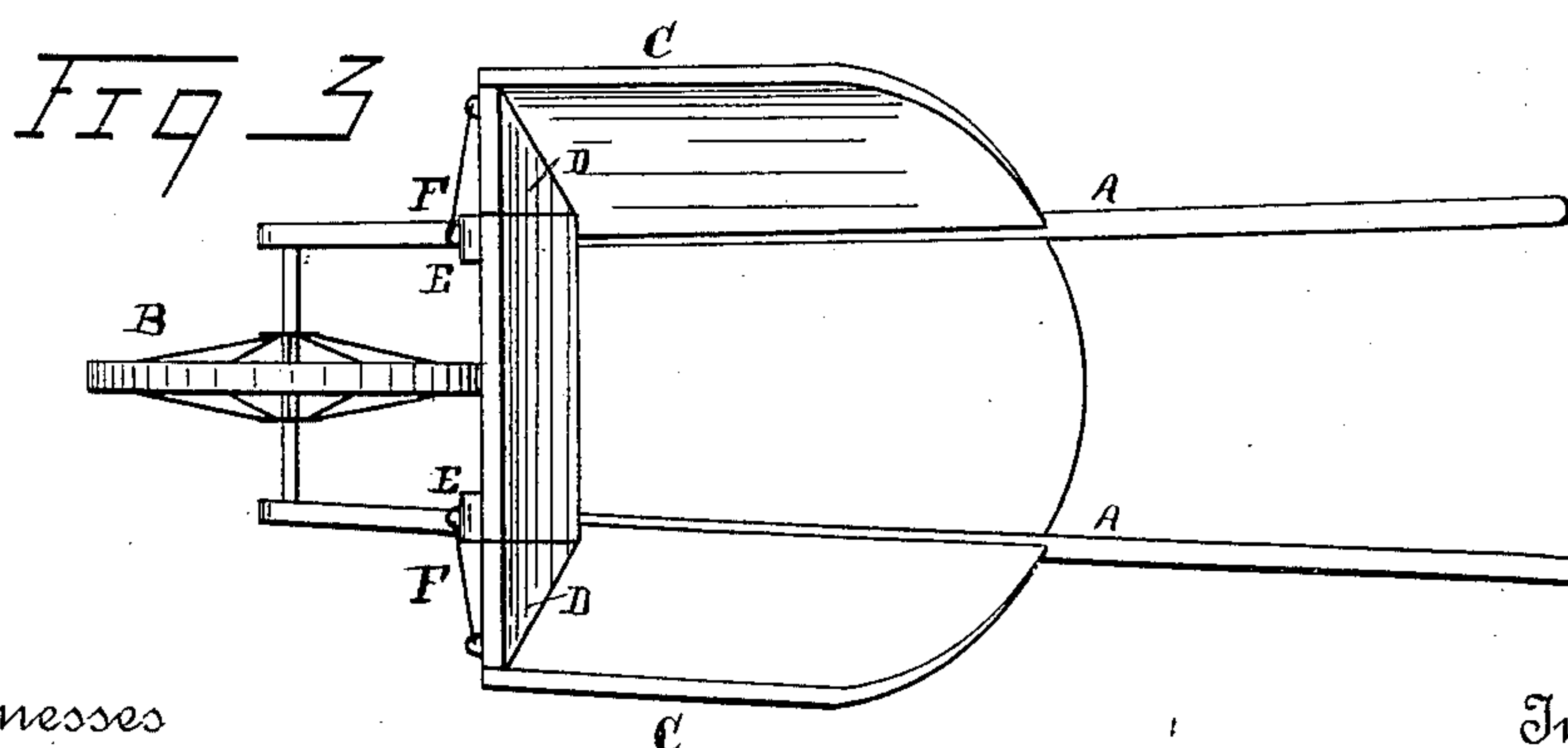
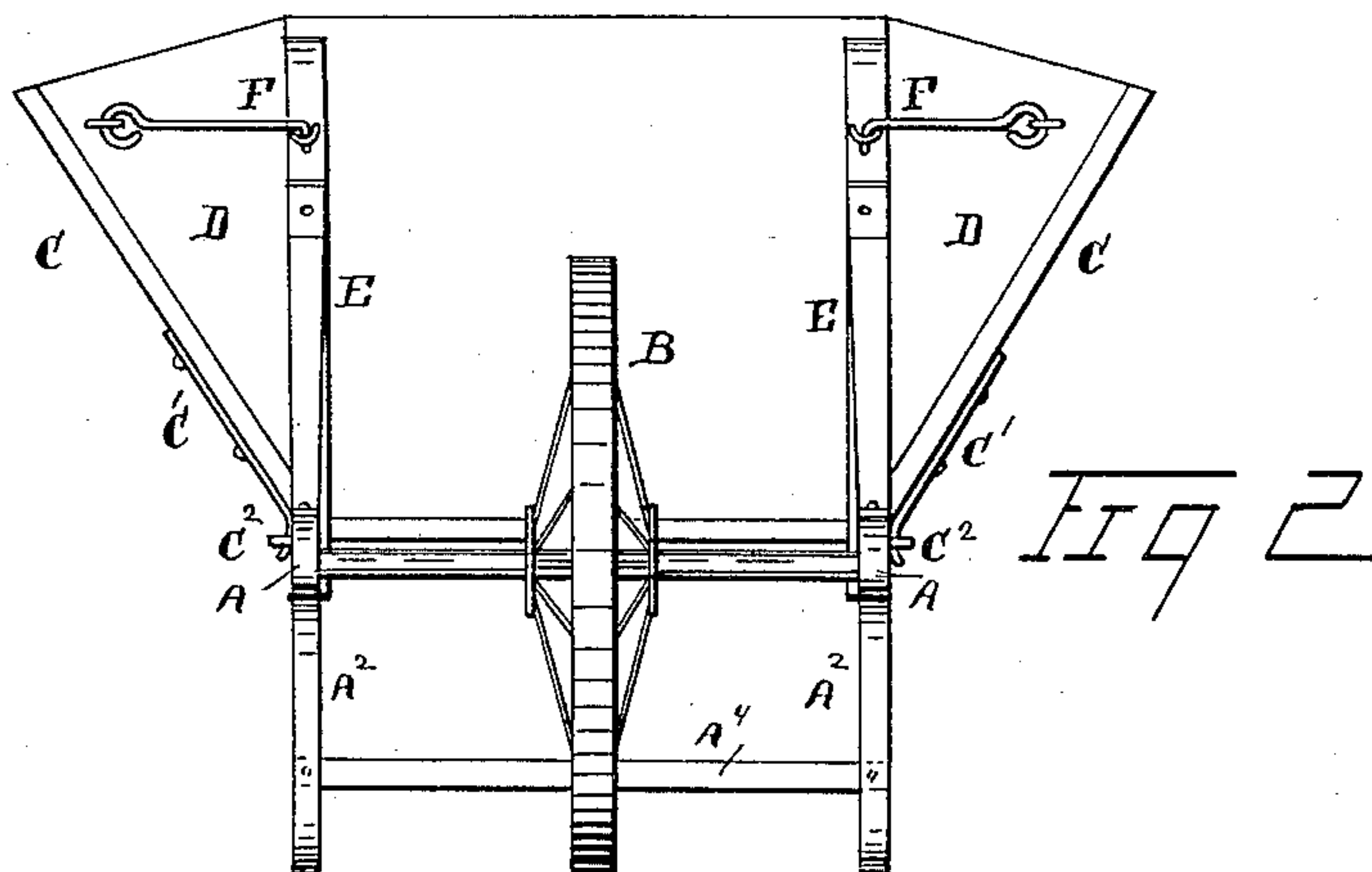
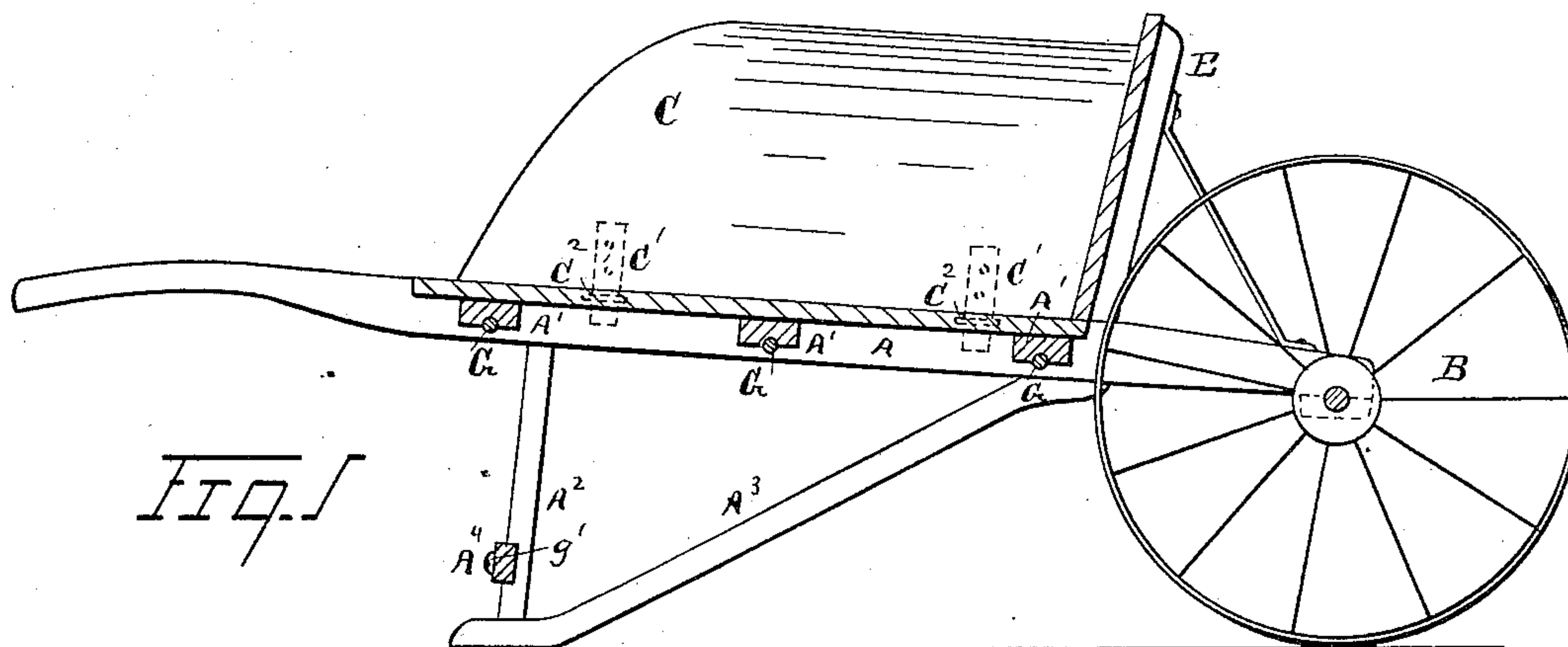


(No Model.)

R. L. NELSON.
WHEELBARROW.

No. 428,176.

Patented May 20, 1890.



Witnesses
John Schuman
Charles F. Salow

Inventor
Robert L. Nelson
By his Attorney
Newell S. Wright.

UNITED STATES PATENT OFFICE.

ROBERT L. NELSON, OF BATTLE CREEK, MICHIGAN.

WHEELBARROW.

SPECIFICATION forming part of Letters Patent No. 428,176, dated May 20, 1890.

Application filed March 11, 1890. Serial No. 343,491. (No model.)

To all whom it may concern:

Be it known that I, ROBERT L. NELSON, a citizen of the United States, residing at Battle Creek, county of Calhoun, State of Michigan, have invented certain new and useful Improvements in Wheelbarrows; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object certain new and useful improvements in wheelbarrows; and it consists of the devices and appliances and their combinations, as more fully hereinafter described and claimed, and more definitely illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section. Fig. 2 is a front elevation, and Fig. 3 is a plan view.

The desirability of having a wheelbarrow provided with flaring removable side-boards, the value and importance of which are evident, has led me to devise the chief features of my present invention, in connection with other details of construction.

I carry out my invention as follows:

A represents the side bars of a wheelbarrow, and A' the cross-bars.

A² are the legs and A³ the braces; A⁴, a cross-bar uniting the legs.

B is the wheel.

C represents my improved side-boards, which I make flaring, as shown in the drawings, and also with a removable engagement upon the side bars A. This engagement I prefer to effect by means of side straps C', said straps made of metal and having their lower extremities bent outward, as shown, and extended so as to enter and pass through staples C², engaged upon the side bars. As so engaged in place, it is evident that the side-boards are readily removable, and at the same time the curved ends of the straps passed through the staples will effectually hold the side-boards from accidental displacement when the barrow is turned over to dump its contents.

The flaring of the side-boards obviously

necessitates providing them with angularly-shaped front pieces D, which I engage permanently with the side-boards, respectively, and which are removed from the wheelbarrow therewith. Any desired fastening may be employed to engage said front pieces upon the uprights E of the wheelbarrow. A hook and staple, as shown at F, will well answer the purpose and serves also to retain the side-boards and prevent their disengagement in turning over the wheelbarrow. Whenever desired, however, the side-boards may conveniently be removed, leaving the balance of the wheelbarrow simply that of an ordinary garden-barrow. With the flaring side-boards in place, we have the barrow easily converted into one of largely-increased capacity over any garden-barrow hitherto in use, and embodying every advantage of the ordinary tray-wheelbarrows. I do not limit myself to any particular manner of removably engaging the flaring side-boards in place.

Another feature of my invention consists in the manner of putting together the frame of the barrow. Instead of uniting the side bars, cross-bars, legs, braces, and uprights by mortise-and-tenon engagement, as has been common heretofore, I prefer to unite the side bars and cross-bars connected therewith by rods G, extending through the side bars and preferably running in grooves on the under side of the cross-braces, respectively. The extremities of the rods are threaded and provided with nuts, by which the parts may be drawn up very snugly and firmly together. Other parts may be united by screws or bolts g'.

What I claim as my invention is—

1. A wheelbarrow provided with flaring side-boards provided with angular front pieces D, removable therewith, substantially as set forth.

2. A wheelbarrow having its cross-bar grooved and united to the side bars by rods seated in said grooves and projecting through said side bars, substantially as set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

ROBERT L. NELSON.

Witnesses:

GEORGE W. MECHEM,
STEVEN S. HULBERT.