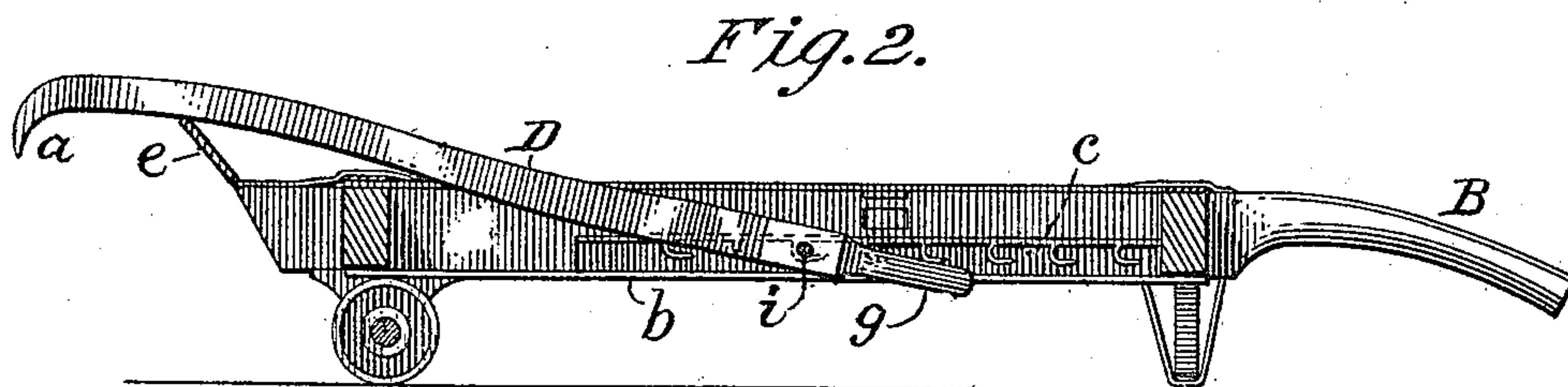
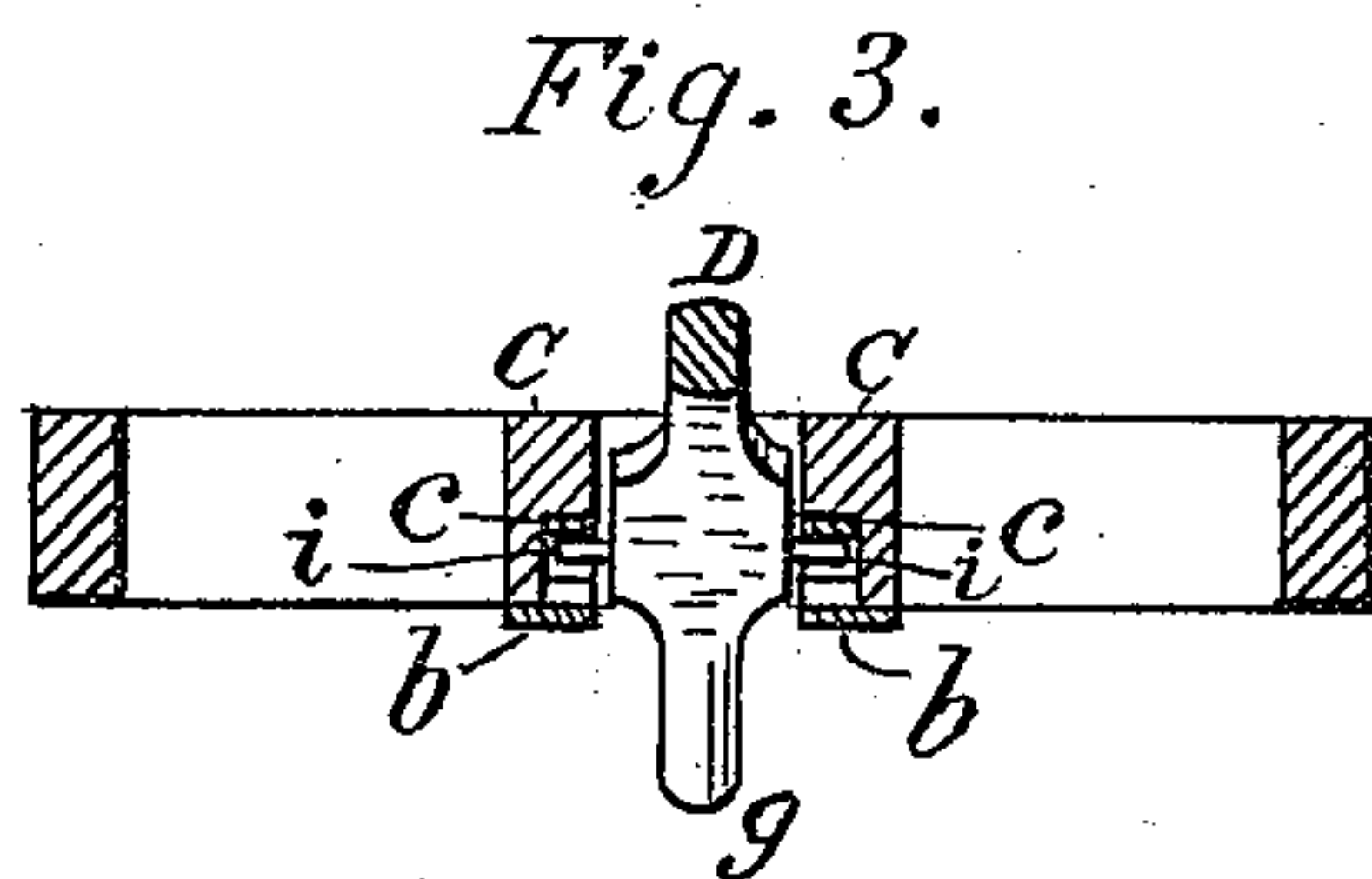
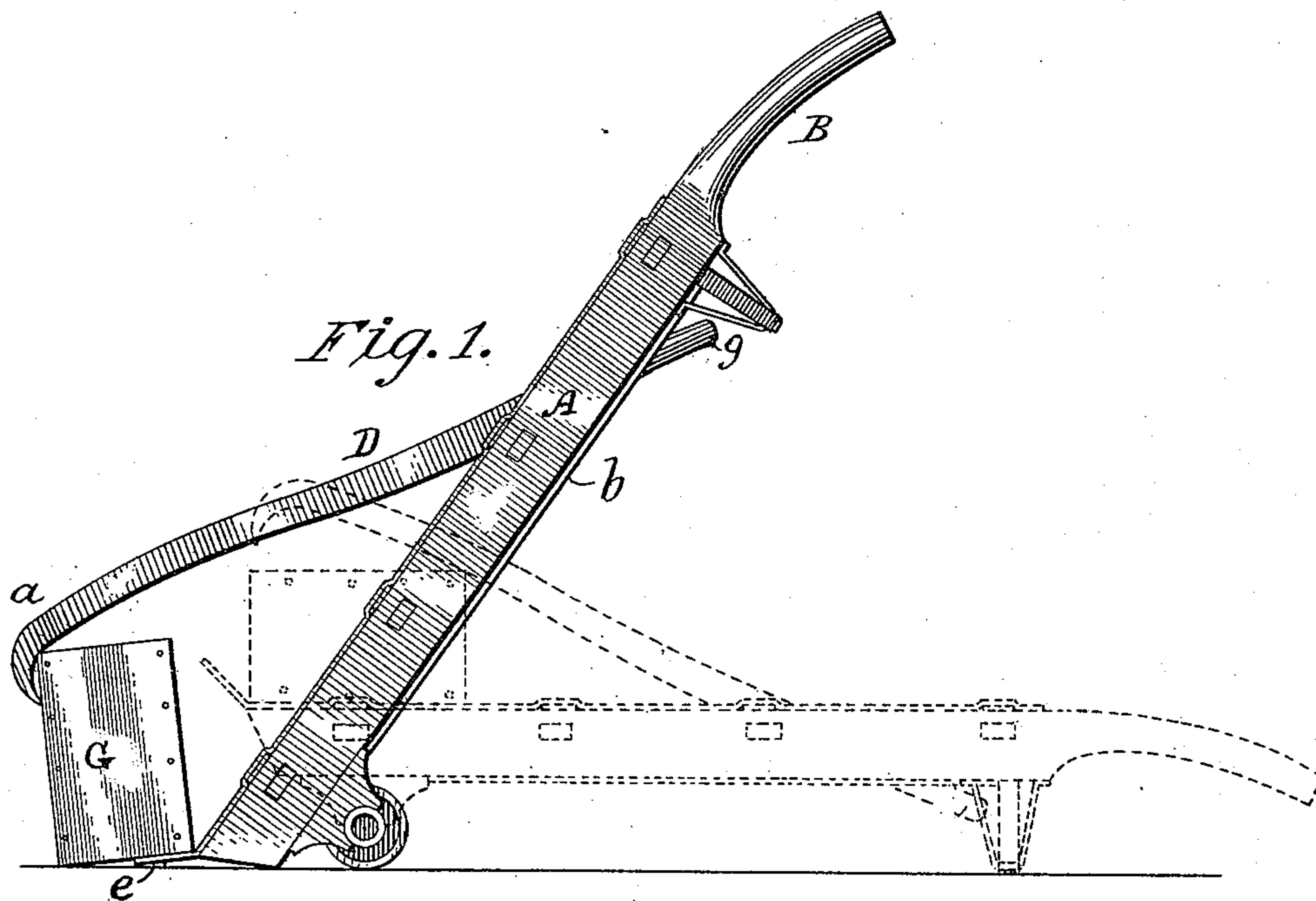


(No Model.)

K. S. WARD.
WAREHOUSE TRUCK.

No. 441,206.

Patented Nov. 25, 1890.



Witnesses:

Geo. C. Carnecho
R. H. Thael

Inventor:

Kirby Smith Ward

UNITED STATES PATENT OFFICE.

KIRBY SMITH WARD, OF BIRMINGHAM, ALABAMA.

WAREHOUSE-TRUCK.

SPECIFICATION forming part of Letters Patent No. 441,206, dated November 25, 1890.

Application filed June 18, 1890. Serial No. 355,887. (No model.)

To all whom it may concern:

Be it known that I, KIRBY SMITH WARD, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Hand-Trucks for Warehouses, &c.; and I hereby declare the following to be a full and clear description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a side view of a hand-truck provided with my improvement. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a transverse section of the same.

A designates the side bars of the truck-frame, from which extend the handles B, said bars being connected by cross-bars in the usual manner.

C indicates two longitudinal bars which extend from the front to the rear cross-bar, the said bars C being arranged one on each side of the center line of the truck-frame, with suitable space between them for the stock D of the hook a.

To the bars C are fastened the ratchet-bars c, and under said ratchet-bars are secured the bars or metal strips b. These parts may be constructed as shown in the drawings, the bars C being recessed or rabbeted on their inner sides to receive the ratchet-bars and leave a little space under them, and the bars b being fastened closely against the lower sides of the said bars C. The hook extends through the frame between the bars C, as shown, and is movably connected with said frame by means of two fixed pins or studs i, extending from opposite sides of the stock D

into the spaces between the bars b and ratchet-bars c.

A workman using the truck may, by means of the handle g, move the hook along forward or backward, the pins i sliding on bars b, and may raise the stock D to connect by said pins with ratchet-bars c at any desired point.

In using the hook the truck is turned upward and its forward flange or point e is inserted under the box or package G to be taken or carried. The hook is then adjusted in length by moving it along on the bars b, and is put in connection with the ratchet-bars by pins i at the proper point. Then by a movement of the stock, either by the hand or foot, the pronged hook a is brought down to catch the box or package to be lifted, which is brought over on the truck when the latter is turned down.

I claim—

In a hand-truck, a frame provided with two longitudinal bars near the center line of the frame provided with ratchet-bars facing downward and being secured to said longitudinal bars, and two lower bars b, fastened in position under said ratchet-bars, in combination with a hook provided with a stock, which is extended through said frame between said two longitudinal bars, and is provided with pins i, which extend under said ratchet-bars and are adapted to connect with the latter and also to slide on the said lower bars, substantially as set forth and described.

KIRBY SMITH WARD.

Witnesses:

R. H. THACH,
GEO. C. CARMICHAEL.