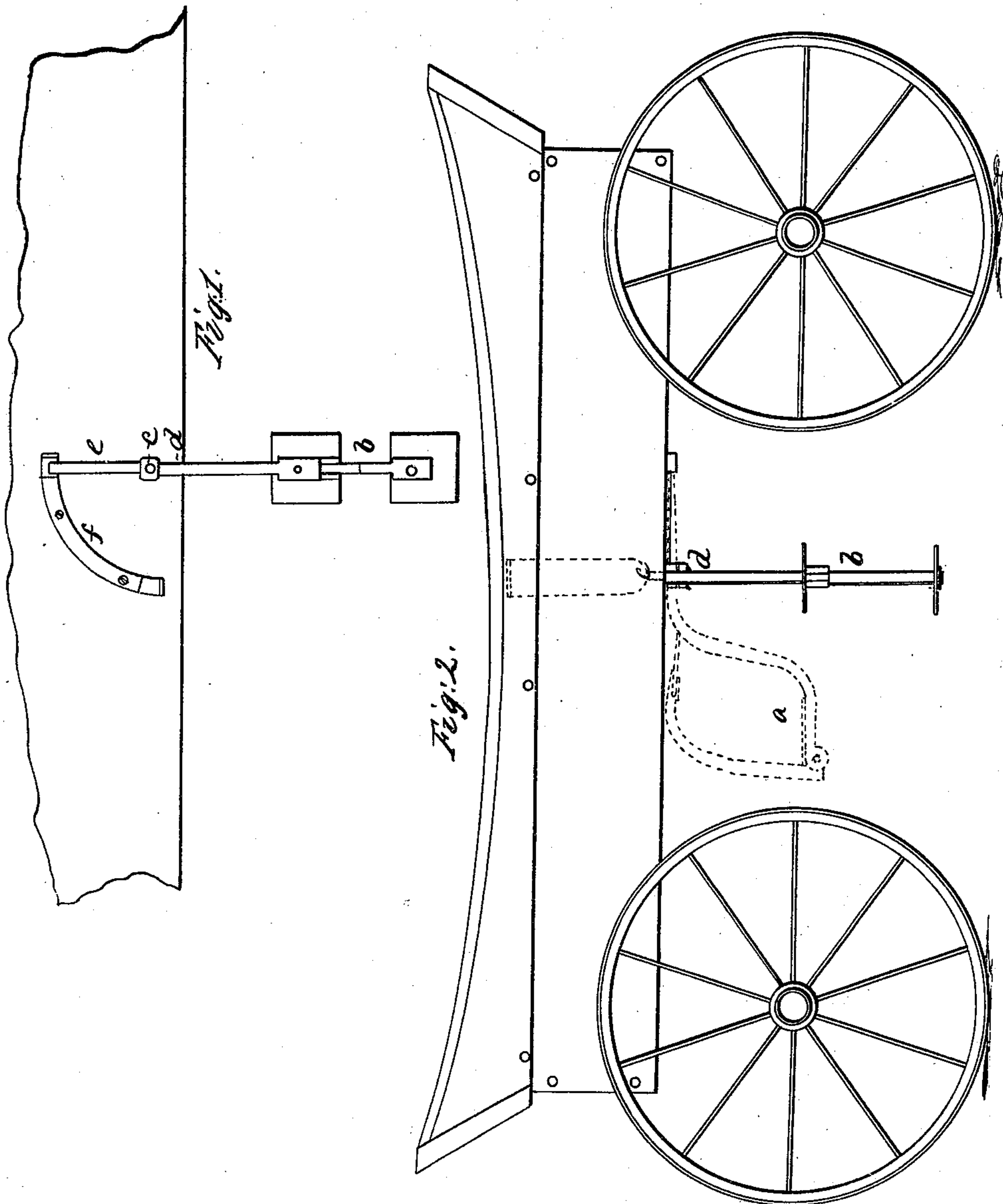


D. & E. Z. LITTLE.
CARRIAGE STEP.

No. 4,795.

Patented Oct. 7, 1846.



UNITED STATES PATENT OFFICE.

DAVID LITTLE AND E. Z. LITTLE, OF GETTYSBURG, PENNSYLVANIA.

CARRIAGE-STEP.

Specification of Letters Patent No. 4,795, dated October 7, 1846.

To all whom it may concern:

Be it known that we, D. LITTLE and E. Z. LITTLE, of Gettysburg, in the county of Adams and State of Pennsylvania, have invented a new and useful Improvement in Carriage-Steps, and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known and of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan of part of the underside of a carriage, and Fig. 2, a side elevation.

The same letters indicate like parts in both figures.

The nature of our invention consists in causing the steps to be swiveled round under the carriage when folded up out of the way of the mud and dirt thrown from the wheels, and without turning them up inside of the carriage.

The construction is as follows: the steps are made with two, three, or more joints to fold up in the ordinary way, (as shown in the drawings) or to be turned down as at (b). The steps are attached to the body by

a single bolt (c), on which they can be swiveled round a quarter of the circle. 30 There is a projection of the shank (d) of the steps beyond the bolt (c) as shown at (e) Fig. 1, which extends out to a segment plate (f) of a quarter of a circle in length and attached to the bottom of the carriage; 35 at each end of this plate there is a stop or notch to hold the step in its proper position when turned out or in the end (e) of the shank of the step has a slight spring to it so that when the step is in proper position, 40 it will hold in the notch in the plate. The bolt (c) should be firmly secured by passing up through the frame work of the body or in any other efficient manner.

What we claim as our invention and desire to secure by Letters Patent is— 45

Constructing the steps and attaching them to the body of the carriage in the manner described so as to allow them to be turned under the body when not in use and held in 50 either position, as described.

DAVID LITTLE.
ESAIAS Z. LITTLE

Witnesses:

JOHN GRISELMAN,
J. B. DANNER.