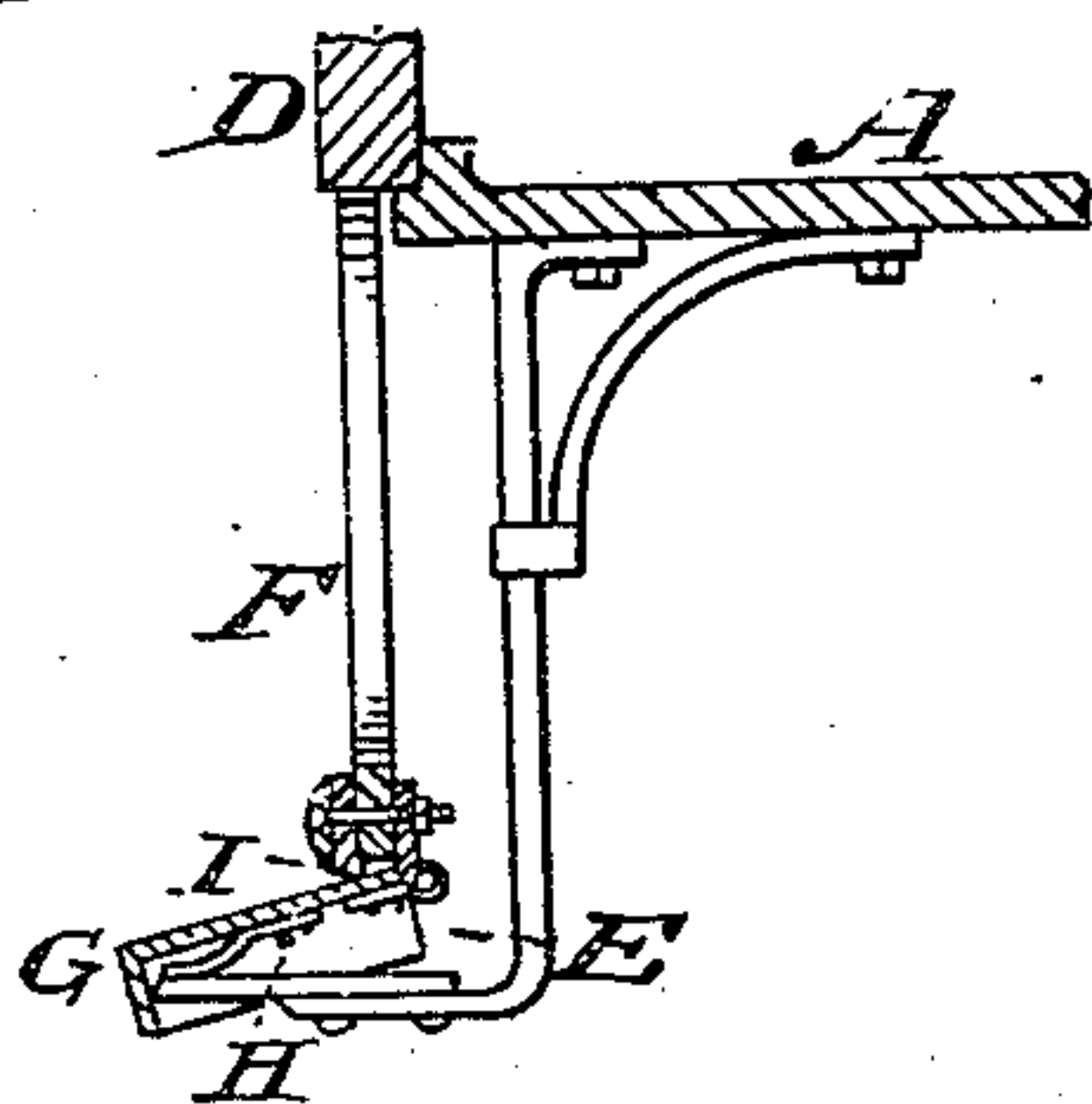
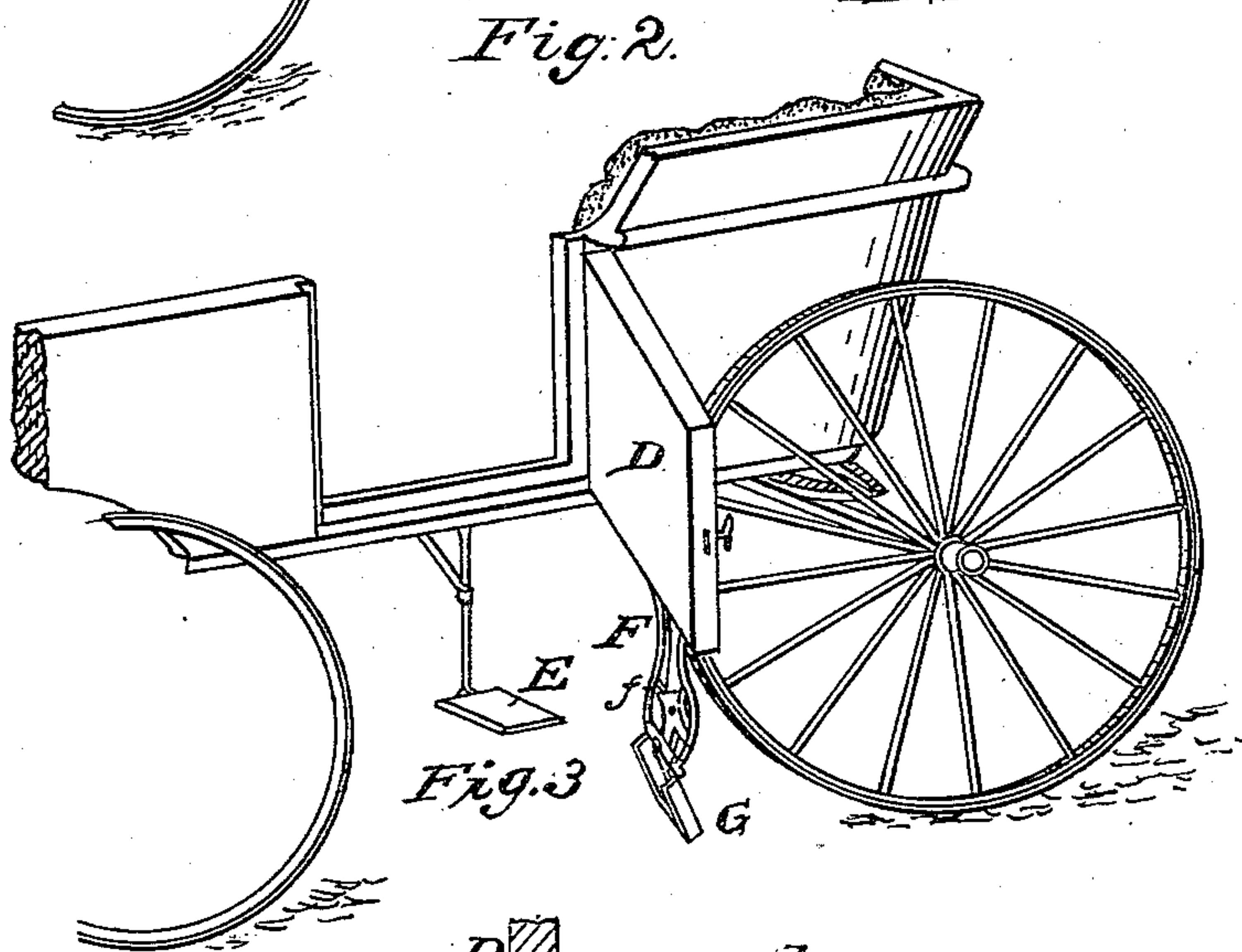
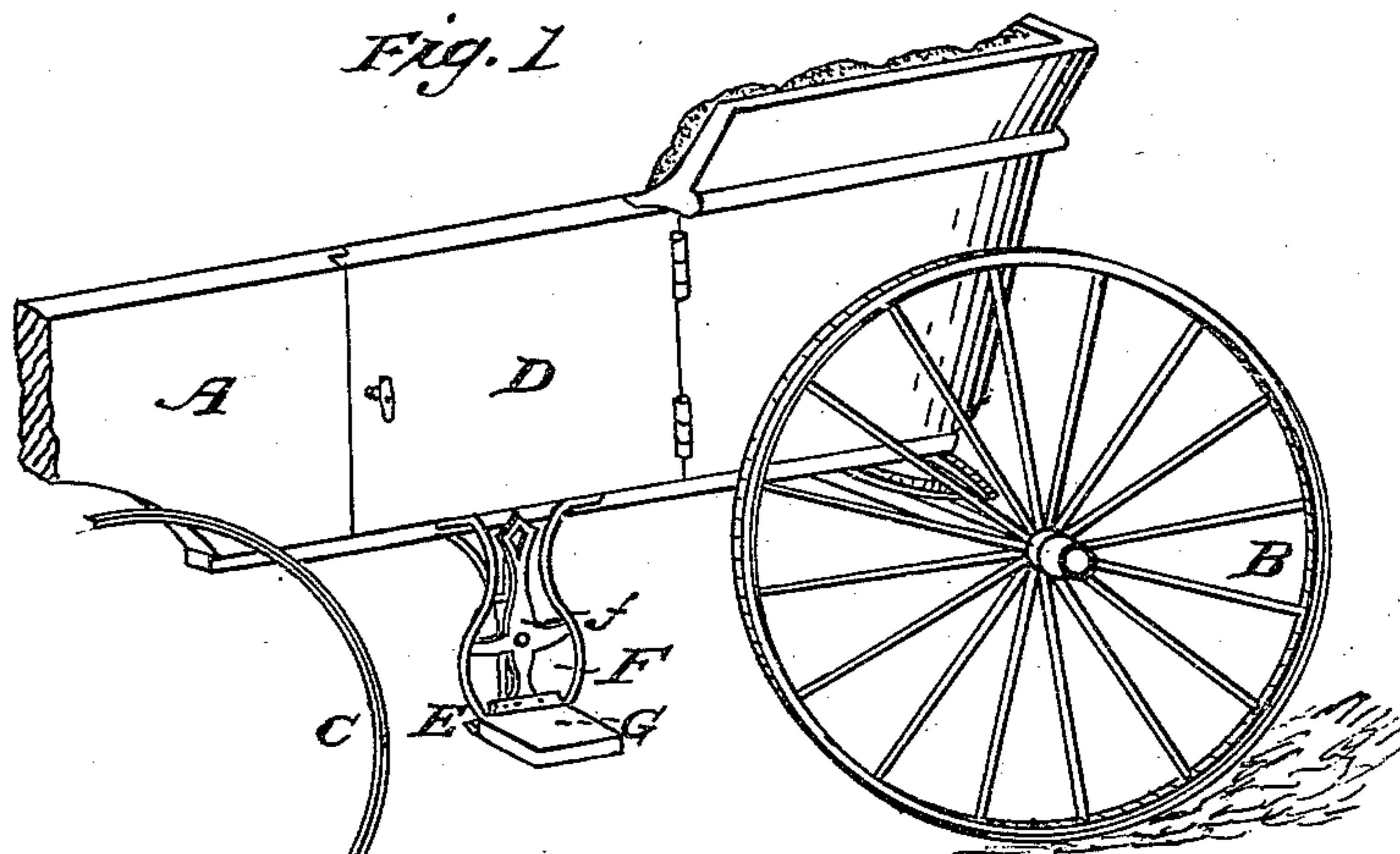


J. CURTIS.
Carriage-Step Cover.

No. 84,802.

Patented Dec. 8, 1868.



WITNESSES

Geo. H. Loomis
Saml. Knight

INVENTOR

John Curtis
By: Knight Bros.
Attys.



JOHN CURTIS, OF CINCINNATI, OHIO.

Letters Patent No. 84,802, dated December 8, 1868.

STEP-COVER AND WHEEL-FENDER FOR CARRIAGES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, JOHN CURTIS, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improved Step-Cover and Wheel-Fender for Carriages; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

This invention relates to the class of devices for preventing contact, with the rear wheel, of the clothes of a person entering or leaving the vehicle, when the door is open for that purpose, and, when the door is closed, serving to protect the step from mud and dust; and

My invention consists in a herein-described arrangement of parts whose sole attachment is to the carriage-door.

Figure 1 is a perspective view, representing the door closed.

Figure 2 represents the door open.

Figure 3 is a vertical section, on an enlarged scale, of the door-step and cover in their closed condition.

A represents a portion of a carriage-body; B and C being respectively the rear and fore wheels on that side.

D is a door, and

E, a step, of ordinary construction.

My improved guard or cover consists essentially of a bracket, F, which depends rigidly from the lower edge of the door, and has hinged or otherwise flexibly connected to its lower edge a flap, G, which, when the door is open, hangs down, as represented in fig. 2, and

serves, in conjunction with the bracket F, to protect the clothes of any one entering the carriage, or alighting therefrom, from being soiled by contact with the rear wheel.

When the door is closed, the flap G rests upon the step, as shown in figs. 1 and 3, and prevents the accumulation thereon of mud and dust.

In order to both hold the flap firmly to the step and prevent rattling, I provide, on the under side of said flap, springs H, and above said flap I provide a rubber lip, I, which, when the door is closed, presses upon the top of the said flap.

I do not, however, confine myself to the precise devices here described, as, for instance, I may, in some cases, use rollers instead of the springs H, and springs instead of the rubber lip I.

The bracket F may be a metallic plate or framework, either covered, plated, or painted, and made of any form found to answer the required purpose. It may be provided with an interior webbing or panel, f.

I claim herein as new, and of my invention—

The bracket F, depending rigidly from the carriage-door, in combination with the hinged flap G, arranged and adapted to operate in conjunction with a carriage-step, in the manner and for the purposes set forth.

In testimony of which invention, I hereunto set my hand.

JOHN CURTIS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.