

(No Model.)

E. POST.
CARRIAGE STEP.

No. 469,031.

Patented Feb. 16, 1892.

Fig 1:

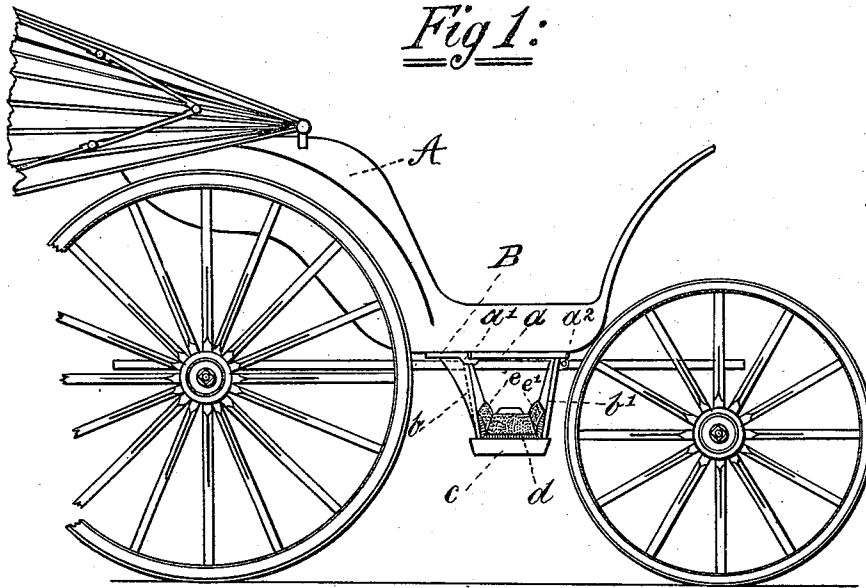


Fig 2:

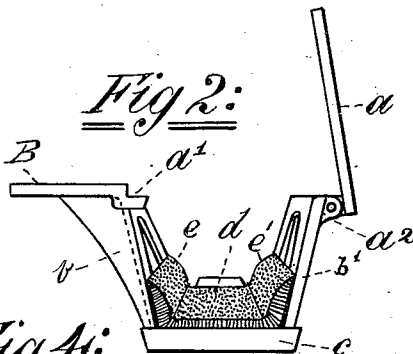
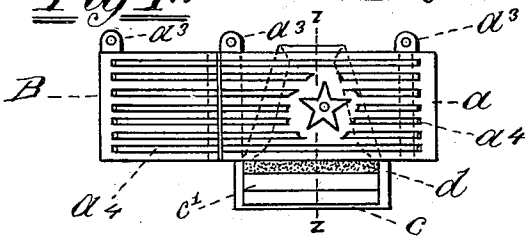


Fig 4:



WITNESSES:

Richard A. Shaly
William Drew

Fig 3:

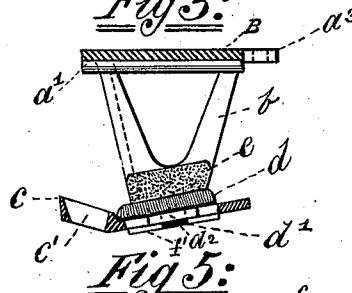
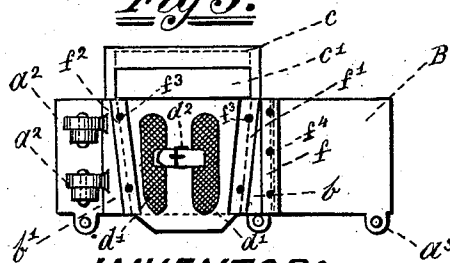


Fig 5:



INVENTOR:

Etta Post
By John F. Kerr
attorney

UNITED STATES PATENT OFFICE.

ETTA POST, OF OAKLAND, NEW JERSEY.

CARRIAGE-STEP.

SPECIFICATION forming part of Letters Patent No. 469,031, dated February 16, 1892.

Application filed April 10, 1891. Serial No. 388,425. (No model.)

To all whom it may concern:

Be it known that I, ETTA POST, of Oakland, Passaic county, New Jersey, have invented a new and useful Improvement in Carriage-Steps, of which the following is a specification.

The object of my invention is to provide a carriage-step, in combination with a boot scraper and wiper by which boots may be brushed thoroughly clean before entering a carriage or other vehicle.

The invention consists of a carriage-step, beneath which is secured a frame formed to receive and hold a mat or other suitable material, a scraper being located on said frame, substantially as hereinafter more particularly explained, and pointed out in the claim.

Figure 1 is a side view of the carriage-step with combined boot scraper and wiper attached. Fig. 2 is a front view of the step with the hinged portion of the same lifted up, the frame, and the scraper and boot-wiper. Fig. 3 represents a cross-section of the step on the line Z Z. Fig. 4 is a top plan of step. Fig. 5 is a plan of under side of step.

In the drawings which form a part of this specification, B is the step, which is secured to the carriage A in any suitable manner, although in the drawings lugs $a^3 a^3 a^3$ are shown as one means of securing the step to the wagon.

The step consists of two parts, one part being the hinged plate of the step a , which rests one end on the rabbet a' in plate B, the other end resting on the frame b' , to which it is hinged by the hinges $a^2 a^2$.

The top of the step is grooved or corrugated, as is shown by a^4 in Fig. 4. To the frame is secured the scraper-plate c , so as to leave the opening c' for the dirt to fall through. In the frame there is a mat or brush d , which is secured by strap d^2 , which passes through the holes d' in the bottom of the frame. The mat or brush may be constructed or consist of one or more brushes or one piece of matting turning up on either side

to facilitate the cleaning of a boot. If one piece of matting is not used and so turned up on both sides to clean the sides of a boot, the side mats or brushes e and e' may be used, as is shown in Fig. 2. One side of the frame may be open, as shown in Fig. 3, and the other side consists of a plate with no opening, the side which is not open to prevent dirt or slush from flying off the wheel into the frame containing the mat or brush.

The frame and that portion of the step shown by the letter B in Fig. 2 and the scraper c may be cast in one piece or in three pieces and the bottom of the frame and the scraper c in one piece and each side being separate castings, or said three pieces may be stamped out of sheet metal, the side plate b being provided with an upper flange f and a lower flange f' . The different parts may then be secured by the pivots f^3 and f^4 , as shown in Fig. 5, or in any other suitable manner. The mat or brush may be easily removed for the purpose of cleaning it or replacing it by a new one.

The hinge part of the step may be raised, if necessary, when cleaning the boot or removing the mat or brush. The openings d' permit rain or water to pass from the mat or brush to the ground.

With this description of my invention, what I claim is—

A step for a carriage or other vehicle, in combination with a frame within which is inserted a flexible detachable mat of suitable material, the bottom of the frame being provided at its outer edge with a scraper and the step consisting of two parts, one part being hinged to said frame, substantially as shown and described, and for the purpose specified.

Dated Paterson, New Jersey, April 8, A. D. 1891.

ETTA POST.

In presence of—

DAVID EDELMAN,
WILLIAM DREW.