

No. 691,872.

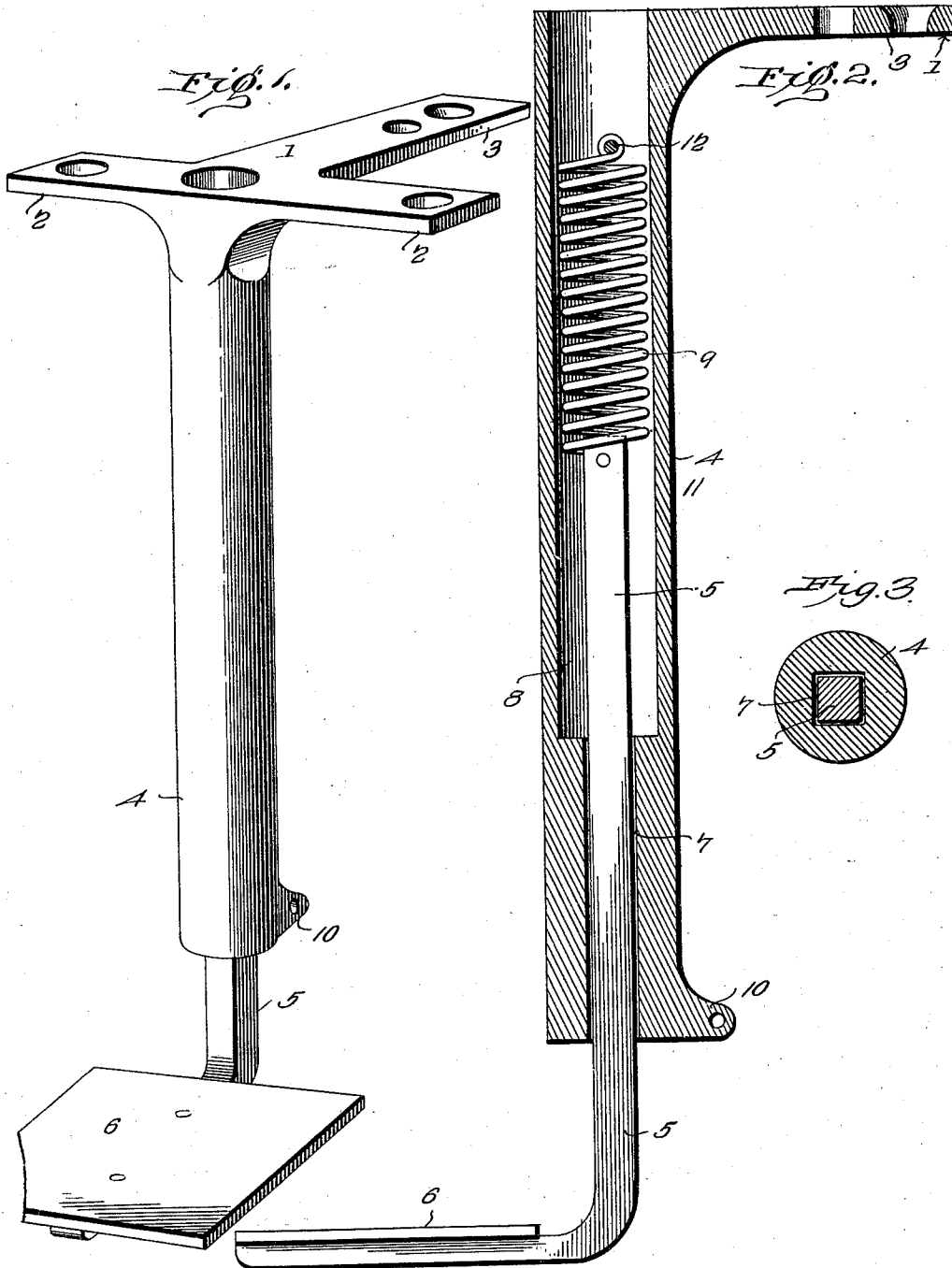
Patented Jan. 28, 1902.

J. G. REHKOPF.

BUGGY STEP.

(Application filed Oct. 16, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN G. REHKOPF, OF PADUCAH, KENTUCKY.

BUGGY-STEP.

SPECIFICATION forming part of Letters Patent No. 691,872, dated January 28, 1902.

Application filed October 16, 1901. Serial No. 78,877. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. REHKOPF, a citizen of the United States, residing at Paducah, in the county of McCracken and State of Kentucky, have invented a new and useful Buggy-Step, of which the following is a specification.

The invention relates to improvements in buggy-steps.

The object of the present invention is to improve the construction of carriage-steps and to provide a simple, inexpensive, and efficient one adapted to be readily applied to a buggy or other vehicle and capable of affording a yielding support for a person entering or leaving the same, whereby the strain on light buggies and other vehicles is reduced to a minimum.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a carriage-step constructed in accordance with this invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a bracket or plate having arms 2 and 3 and provided with a depending casing 4, of tubular form, adapted to receive and form a guide for a shank 5 of a step 6. The arms 2 and 3 are perforated for the reception of bolts or other suitable fastening devices for securing the bracket or plate to the bottom of the body of the buggy. The lower portion of the tubular casing is provided with a reduced rectangular bore or opening 7 to form a guide for the squared shank, and the upper portion of the casing has a cylindrical opening 8, of greater diameter than the lower bore or opening 7 and adapted to receive a coiled spring 9, which is housed within the tubular casing. The lower end of the depending casing is provided with a perforated lug or ear 10, adapted to be connected with a brace for supporting the

bracket should such support be desirable. The step 6, which may be of any desired construction, is prevented from turning by the squared shank or stem 5, which slides in the rectangular bore or opening 7 of the tubular casing, and the upper end of the stem or shank is secured by a suitable fastening device 11 to the lower end of the spring. The upper end of the spring is secured to the tubular casing of the bracket by a transverse pin or rivet 12, and the said spring is adapted to be distended when subjected to the weight of a person, and it will afford a cushion and prevent the body of a buggy or other light vehicle from being injured by persons entering or leaving it. The pin or rivet 12 is arranged in suitable perforations of the sides of the tubular casing of the bracket, and the upper end of the shank or stem 5 is perforated for the reception of the fastening device which secures the lower end of the spring to it. The upper end of the tubular casing is preferably open, as shown, and the arms 2 and 3, which form the body portion of the plate or bracket, are preferably formed integral with the casing; but the parts may be constructed in any other suitable manner.

It will be seen that the device is exceedingly simple and inexpensive in construction, that it is adapted to be readily applied to a buggy or other vehicle, and that it forms a cushion for preventing the vehicle from being injured by persons entering or leaving it.

What I claim is—

1. A device of the class described comprising a bracket having a depending tubular casing forming a guide and housing, a step having a shank or bar extending into the tubular casing and slidable thereon, and a spring housed within the upper portion of the casing and connected with the same and with the shank or bar and forming a yielding support for the step, substantially as described.

2. A device of the class described comprising a bracket having a depending tubular casing provided at its lower portion with a polygonal guide-opening and having an upper enlarged opening or bore, a spring housed within the upper enlarged opening or bore and connected with the bracket, and a step having

a stem extending through the guide-opening and conforming to the configuration of the same to prevent the step from turning and secured to the lower end of the spring and
5 supported by the latter, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

JOHN G. REHKOPF.

Witnesses:

C. E. RICHARDSON,
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