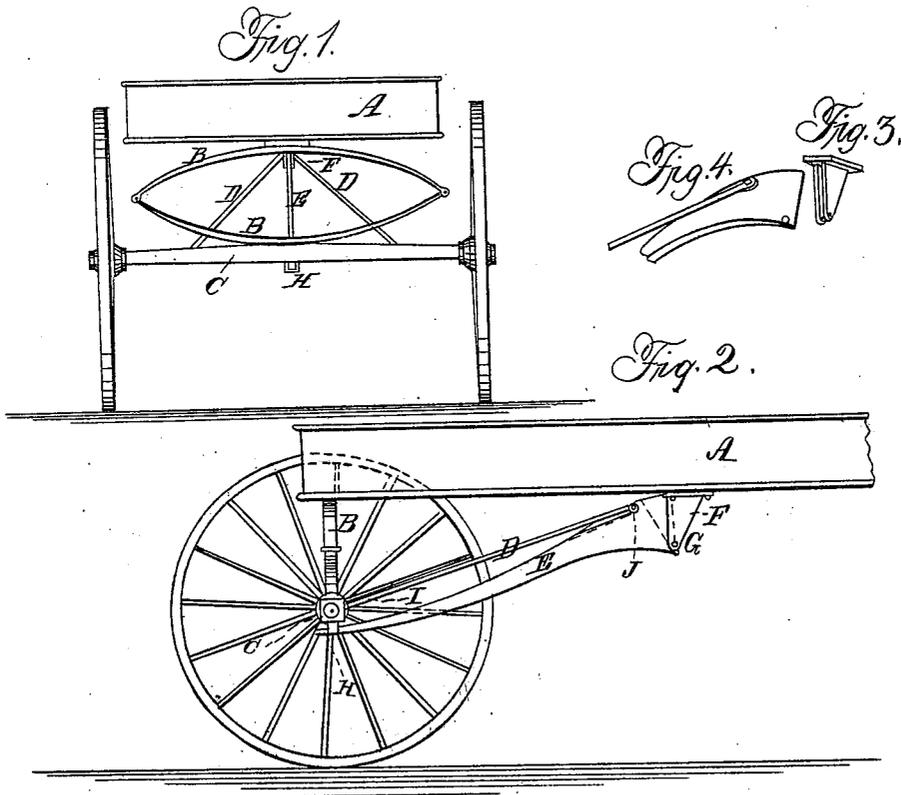


F. O. ROGERS.

Running-Gear.

No. 19,264.

Patented Feb. 2, 1858.



UNITED STATES PATENT OFFICE.

F. O. ROGERS, OF ELMIRA, NEW YORK.

ADJUSTABLE AXLE-BRACE FOR CARRIAGES.

Specification of Letters Patent No. 19,264, dated February 2, 1858.

To all whom it may concern:

Be it known that I, FREDERICK O. ROGERS, of Elmira, in the county of Chemung and State of New York, have invented a new and useful machine or combination for contracting and expanding the braces of an axle of a carriage, so as that the reach may be dispensed with in carriages in which springs are used, called "The Brace-Adjuster;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is an end view; Fig. 2, a longitudinal elevation; Fig. 3, the standard; and Fig. 4, a part of the lever and brace attached.

In Figs. 1 and 2, A, represents part of the body of a carriage, B, the springs (firmly fastened to the body,) C, the axle, D, the braces, E, the lever, and F, the standard, (firmly fastened to the center piece of the body). The lever is fastened in the standard by the pivot G, as seen in Fig. 2, and turns upon it as the springs play; and at the same time, the handle of the lever plays through a loop fastened on the lower side of the axle, as seen at H, in Figs. 1 and 2. The braces are fastened to the axle and lever with a joint at each end, as seen in Fig. 2, at I, I.

The lever E, being made broad at the end fastened into the standard F, by the pivot G, (on which it turns back and forth as the springs are pressed together and expand, and the braces being fastened with a joint onto the lever at I, a proper distance above the pivot G, and to the axle also by a joint, of course when the springs are pressed together the braces are gathered or drawn up under the body by the lever just enough to allow the springs to play perpendicularly or at right angles with the body and are by means of the lever expanded as the springs expand.

I do not claim, in general terms, the adjustment of a brace, to adapt it to the contractions and expansions of a carriage spring, by hinging it to a vibrating arm or lever; but

What I claim as my invention and desire to secure by Letters Patent, is—

The lever E, when constructed, and arranged and operating in combination with the body A, springs B, B, axle C, and braces D, D, of the carriage, substantially in the manner and for the purpose herein specified.

F. O. ROGERS.

Witnesses:

WILLIAM P. KINKLE,
ALBERT G. BENDFORD.