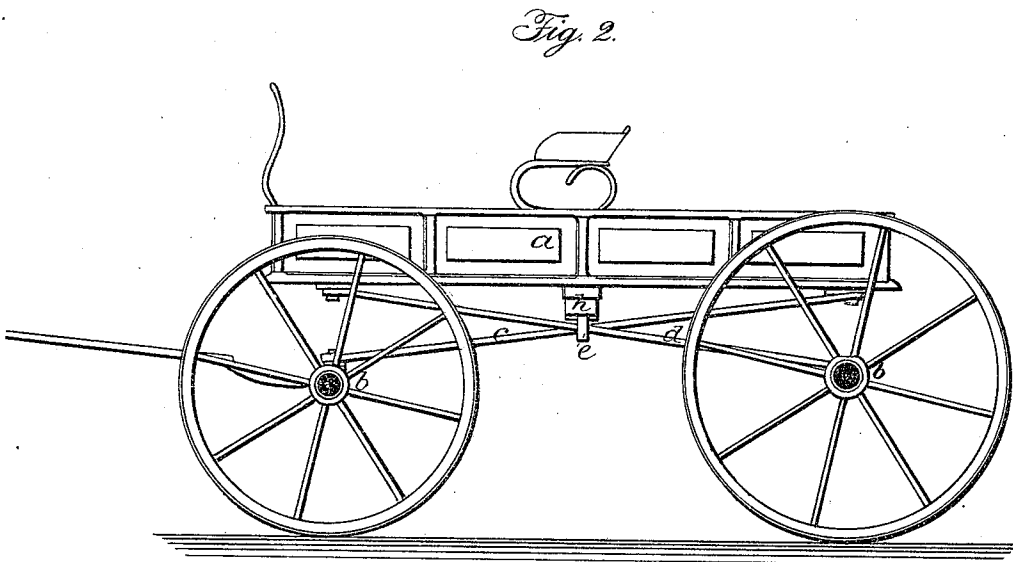
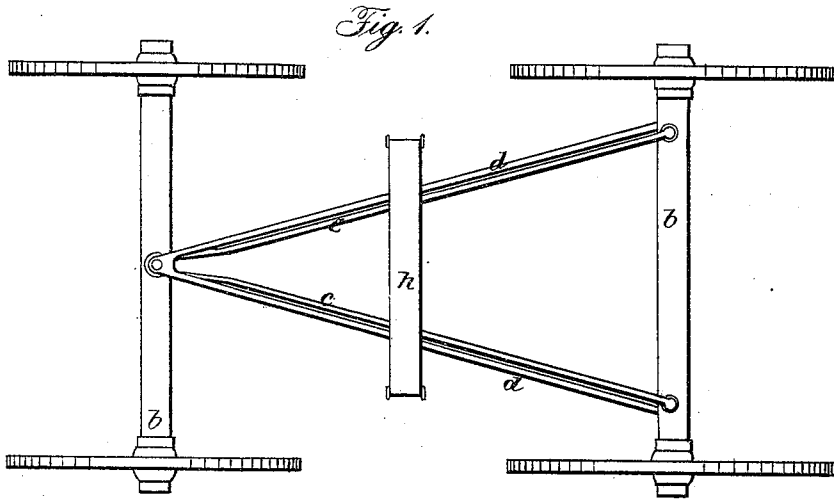


M. G. HUBBARD.

Running-Gear.

No. 7,085.

Patented Feb. 12, 1850.



UNITED STATES PATENT OFFICE.

M. G. HUBBARD, OF HUME, NEW YORK.

HANGING CARRIAGE-BODIES.

Specification of Letters Patent No. 7,085, dated February 12, 1850.

To all whom it may concern:

Be it known that I, M. G. HUBBARD, of Hume, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Running-Gear of Carriages, and that the following is a full, clear, and exact description of the principle or character which distinguishes them from all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the accompanying drawing, in which—

Figure 1, is a side elevation of the carriage. Fig. 2, is a plan of the running gear.

The nature of my invention consists in the peculiar construction and arrangement of the reaches, and in the application of a spring thereto, by which the carriage is supported. The body of the carriage (*a*), the axles (*b*), and wheels, are of ordinary construction; to the rear end of the carriage, near each corner, there is a bar, or reach (*c*), affixed; these extend forward, and are firmly united over the front axle,

to which they are jointed; at the front end of the carriage body, two other bars, (*d*), are jointed, which extend back to the hind axle; at or near the center of the body, where these reaches cross each other they are connected by a shackle, (*e*), to which a semi-elliptic spring (*h*), is attached, the center of this spring bearing on the shackle, and the two ends against the bottom of the carriage; the connections being those usual in attaching elliptic springs. By this arrangement I obtain an elastic, substantial, connection between the axles and body of the carriage, and cheapen its construction.

Having thus fully described my improvement, what I claim therein as new, and for which I desire to secure Letters Patent, is—

The combination of cross reaches and spring, substantially in the manner and for the purpose set forth.

M. G. HUBBARD.

Witnesses:

WM. N. EMERSON,
E. A. SIGN.