

(Model.)

O. F. LOWE.

EQUALIZER FOR SPRING CARRIAGES.

No. 278,984.

Patented June 5, 1883.

fig 1.

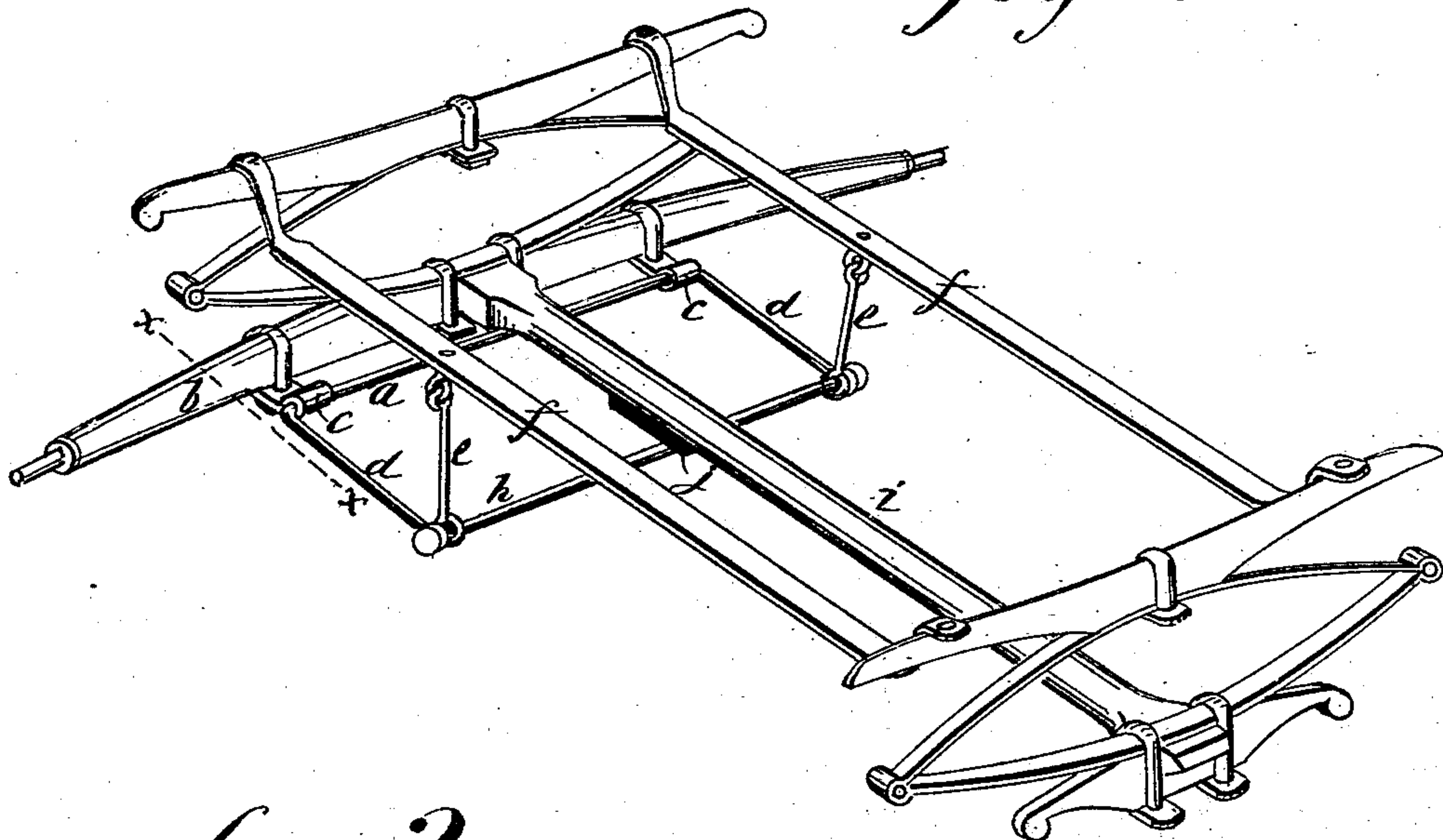
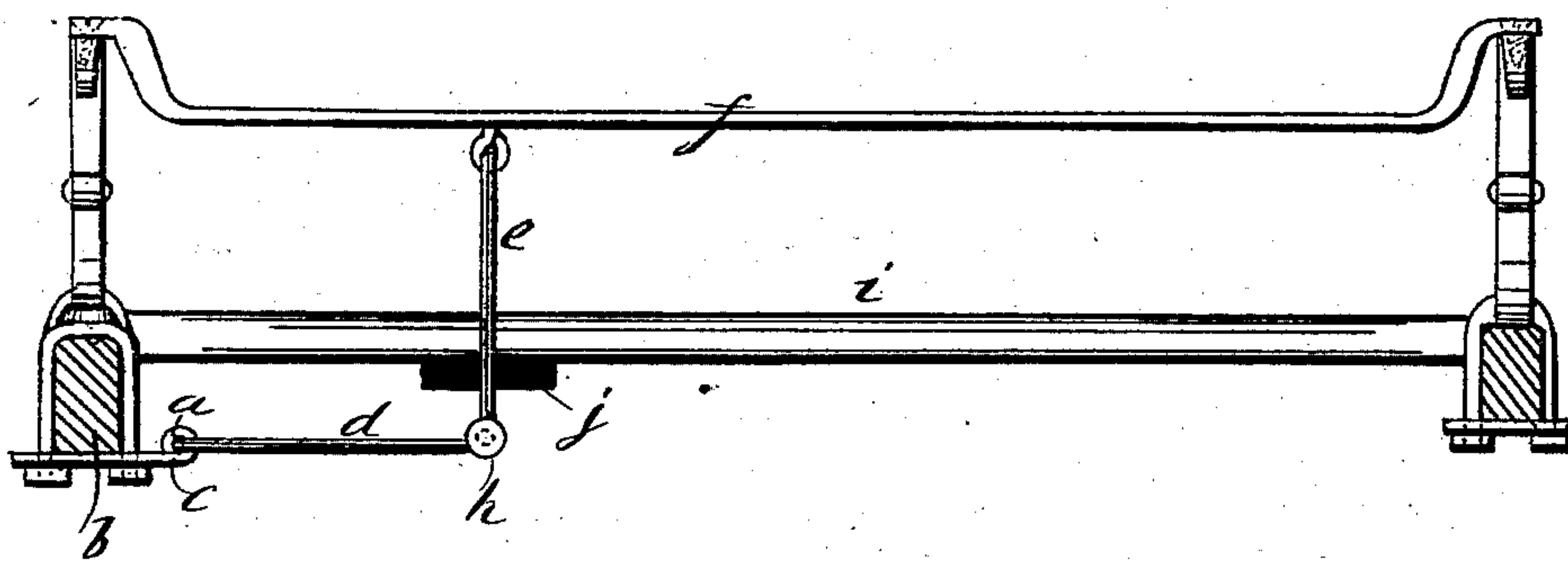


fig 2.



WITNESSES:

Chas. J. Howell,
L. Sedgwick

INVENTOR:

O. F. Lowe
BY *Munn & Co*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

OSCAR F. LOWE, OF HAMPTON, IOWA.

EQUALIZER FOR SPRING-CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 278,984, dated June 5, 1883.

Application filed March 12, 1883. (Model.)

To all whom it may concern:

Be it known that I, OSCAR F. LOWE, of Hampton, in the county of Franklin and State of Iowa, have invented a new and Improved
5 Equalizer for Spring-Carriages, of which the following is a full, clear, and exact description.

The object of my invention is to contrive for maintaining the proper level of the carriage-body when unevenly loaded, and to prevent
10 the body from being unduly thrust upward by the shocks and jolts caused by uneven roads.

The contrivance consists of a double-cranked rod pivoted in clips at the front side of the hind axle, with its two arms reaching forward
15 a suitable distance each side of the body, and connected to it by rods, so that an undue weight on one side will take effect alike on the other side through the cranked rod, and said rod carries a rod connecting the extremities of
20 the arms under the reach, so that the upward thrust of the body will be arrested by contact of the said connecting-rod with the reach, and the reach has a cushion to lessen the shocks of the rod, all as hereinafter fully described.

25 Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

30 Figure 1 is a perspective view of a carriage-body with my improved equalizing attachment, and Fig. 2 is a longitudinal sectional elevation of the same.

I arrange a rod or shaft, *a*, along the front side of the axle *b*, in bearings of clips *c*, attached to the axle, and having a crank-arm, *d*, at each end, extending forward under the body a suitable distance, and being connected at their forward ends by rods *e* with the side bars, *f*, or it may be the body or other part attached to the body, so that weight on one side of the body
35 will have equal effect on the other side of the body through the medium of said cranked shaft. The arms *d* also carry the rod *h*, which connects them together at the free ends and passes under the reach *i*, so as to hold the body
40 down when thrust upward powerfully by uneven roads. I arrange a cushion, *j*, under the reach, to cushion the shocks of the rod on the reach and diminish their effect.

Having thus described my invention, I claim
45 as new and desire to secure by Letters Patent—

The combination of rod *a*, arms *d*, rod *h*, cushion *j*, and connecting-rods *e* with the axle *b* and the body of a carriage or its support, said rod
50 *a* being pivoted on the axle, the rod *h* arranged under the reach, and said arms *d* being connected to the body, substantially as described.
55

OSCAR F. LOWE.

Witnesses:

H. B. CORNISH,
H. A. HARRIMAN.