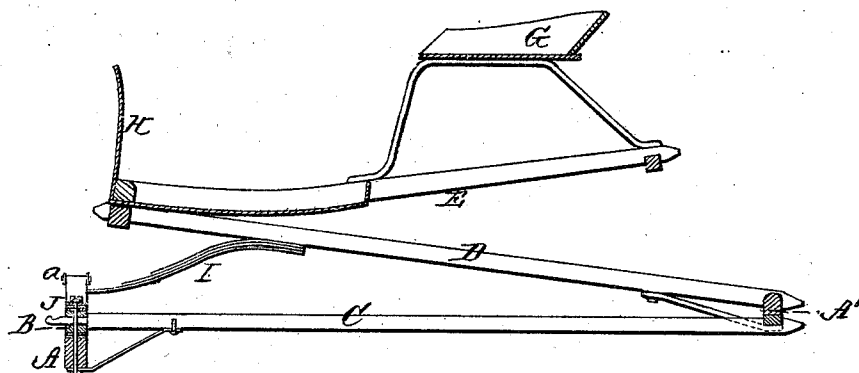


W. H. BRACE.
Wagon-Springs.

No. 140,110.

Patented June 24, 1873.



Witnesses

John W. Ellis
C. Alexander

Inventor

William H. Brace
Per,

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Attys.

UNITED STATES PATENT OFFICE.

WILLIAM H. BRACE, OF NUNDA, NEW YORK, ASSIGNOR TO HIMSELF AND
J. R. WOODWORTH, OF SAME PLACE.

IMPROVEMENT IN WAGON-SPRINGS.

Specification forming part of Letters Patent No. **140,110**, dated June 24, 1873; application filed
May 27, 1873.

To all whom it may concern:

Be it known that I, WILLIAM H. BRACE, of Nunda, in the county of Livingston and State of New York, have invented certain new and useful Improvements in Wagon-Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of the springs for supporting the seat of a skeleton wagon, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a side view of my invention.

A represents the front axle, and A' the rear axle, of a vehicle, the rear axle being connected with the front head-block B by means of a center-reach, C. On each side of the center-reach C to the rear axle A' is attached a side-reach, D, upon the front end of which is laid and secured a wooden spring-bar, E. The two spring-bars E E extend toward the rear, as shown in the drawing, and the seat G is secured or supported upon their rear ends. Be-

tween the front ends of the spring-bars E E is secured the wagon bottom, and the dash H is fastened at the front in any suitable manner. A suitable distance in rear of the front end of each side-reach D on the under side is secured a spring, I, which extends forward; and the front ends of the two springs I I are suspended by means of couplings *a a* from the ends of a spring, J, which is secured on top of the head-block B.

By the combination of the parts supporting the seat it will be seen that both the body and the feet of the rider is supported on springs and rides easy.

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

In combination with the axles and front head-block of a wagon, the side-reaches D D, springs I I, couplings *a a*, and spring J, secured on the head-block for supporting the seat-arms and seat, substantially as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WM. H. BRACE.

Witnesses:

JAS. C. HOWELL,
L. H. BRACE.