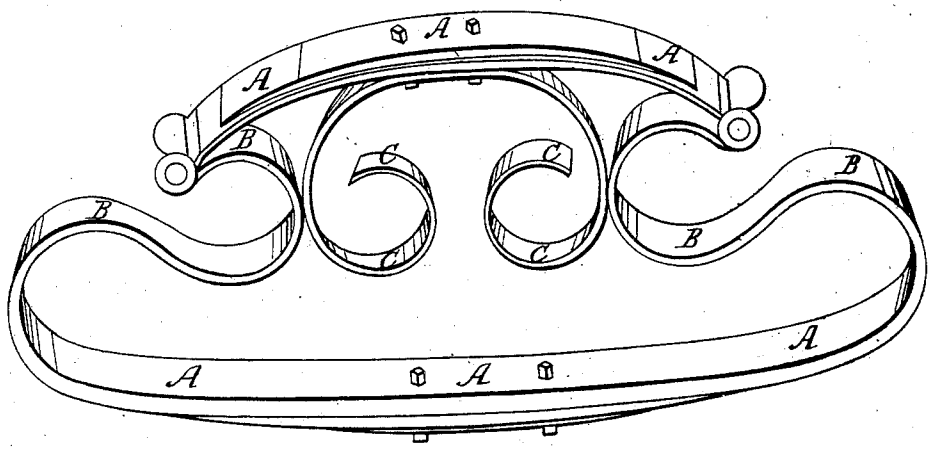
PRESSEY & SHEETS.

Carriage-Spring.

No. 30,422 Patented Oct. 16, 1860.




Witnesses.

M. A. Wheaton.

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John B. Pressey.

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# UNITED STATES PATENT OFFICE.

JOHN B. PRESSEY AND DANIEL SHEETS, OF SUISUN, CALIFORNIA.

## CARRIAGE-SPRING.

Specification of Letters Patent No. 30,422, dated October 16, 1860.

*To all whom it may concern:*

Be it known that we, JOHN B. PRESSEY and DANIEL SHEETS, of Suisun City, in the county of Solano and State of California, have invented a new and useful Improvement in Carriage-Springs; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

A perspective view of our improved spring is represented.

The nature of our invention consists in a compound spring composed of two elliptic portions, two scroll shaped portions and a C shaped portion, the whole arranged as hereinafter described, whereby increased elasticity is secured, and a support afforded whenever too much weight bears upon the spring.

To enable others, skilled in the art, to make and use our invention, we will proceed to describe its construction and operation.

The upper and lower parts marked A, A, are the elliptic portions.

B, are the scroll portions placed between and connecting the corresponding ends of the elliptic portions, so that when in use, the whole weight above rests or bears at the same time upon every part of the elliptic spring portions and upon every part of the scroll portions, so that by the combination of the two springs, the elasticity of each one is increased, while the supporting capacity thereof remains the same.

C, is the shaped portion. Its office is to support the parts A, B, when too great weight comes upon the same. It will be observed that the part C, is situated centrally between the scroll portions of the spring and attached to the upper elliptic portion of the same and thus acts as a bolster to the inward lateral thrusts of the scroll portions when a very heavy weight comes upon the spring proper. It will also act as a bolster to the elliptic portions in case the spring is depressed to a certain degree.

What we claim as our invention and desire to secure by Letters Patent, is—

A compound spring composed of two elliptic portions A, A, two scroll portions B, and a C shaped portion C, the whole arranged in the manner and for the purposes herein set forth.

JOHN B. PRESSEY.
DANIEL SHEETS.

Attest:
M. A. WHEATON,
JOHN J. PECO.