

C. BAUER.  
Vehicle Springs.

No. 166,060.

Patented July 27, 1875.

FIG. 1.

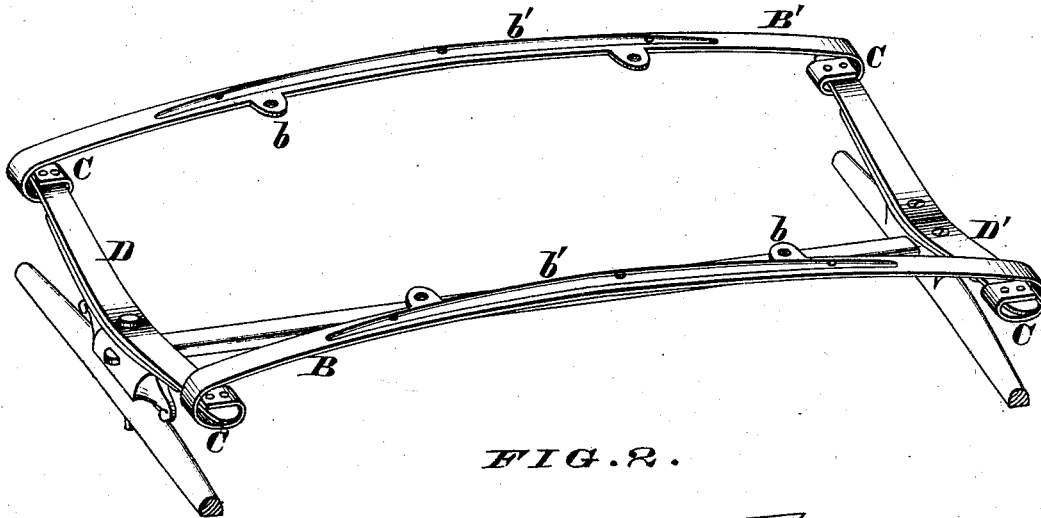


FIG. 2.

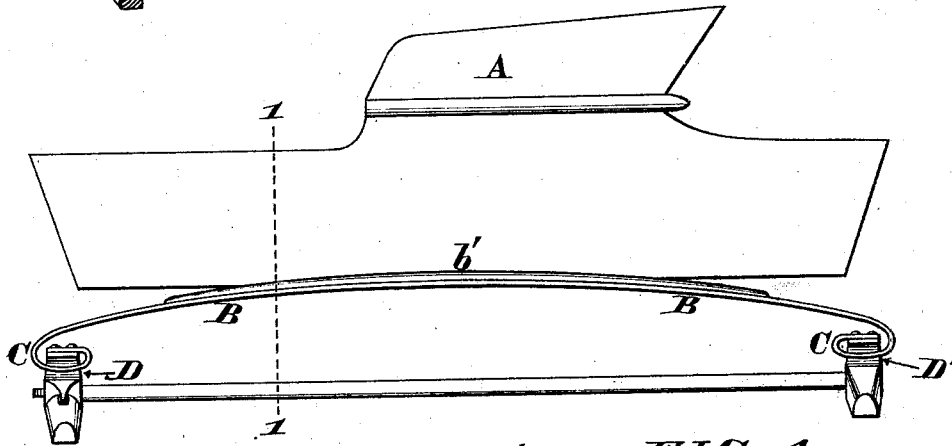


FIG. 3.

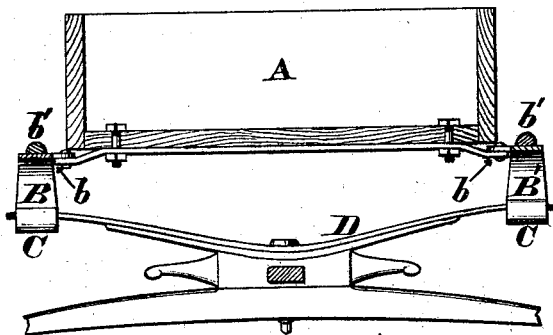
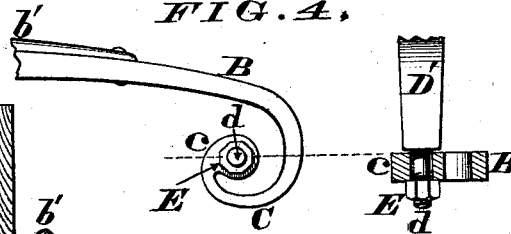


FIG. 4.



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# UNITED STATES PATENT OFFICE.

CORNELIUS BAUER, OF CINCINNATI, OHIO.

## IMPROVEMENT IN VEHICLE-SPRINGS.

Specification forming part of Letters Patent No. **166,060**, dated July 27, 1875; application filed June 21, 1875.

*To all whom it may concern:*

Be it known that I, CORNELIUS BAUER, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Vehicle-Spring, of which the following is a specification:

In the accompanying drawing, Figure 1 is a perspective view of my compound spring for vehicles. Fig. 2 is a side elevation of the same. Fig. 3 is a section at the line 1 1; and Fig. 4 represents, by elevation and horizontal section, a modified arrangement for coupling the side bars to the ends of the semi-elliptic springs.

A may represent any desired wagon or buggy body. B B' are two side spring-bars, having lugs *b*, by which to bolt them to the body, and a stiffening-piece, *b'*, at their middle portions.

These bars terminate in coiled extremities C, which are bolted to the ends of semi-elliptics D D'.

In the modification of my invention, as shown in Fig. 4, the coiled extremity C of the stiffened side bar B *b'* is represented as furnished with an eye, *c*, for the reception of a screw-threaded shank, *d*, the latter being forged upon the end of semi-elliptic spring D'.

E is a nut, wherewith the side bar B is attached to its supporting-spring D'.

I claim as my invention—

The vehicle-spring B B', having lugs *b b*, stiffening-pieces *b' b'*, and coiled extremities C C, in combination with the semi-elliptic springs D D', as set forth.

In testimony of which invention I hereunto set my hand.

CORNELIUS BAUER.

Attest:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.