

(No Model.)

C. V. PUGH.
BUGGY TOP SPRING.

No. 404,434.

Patented June 4, 1889.

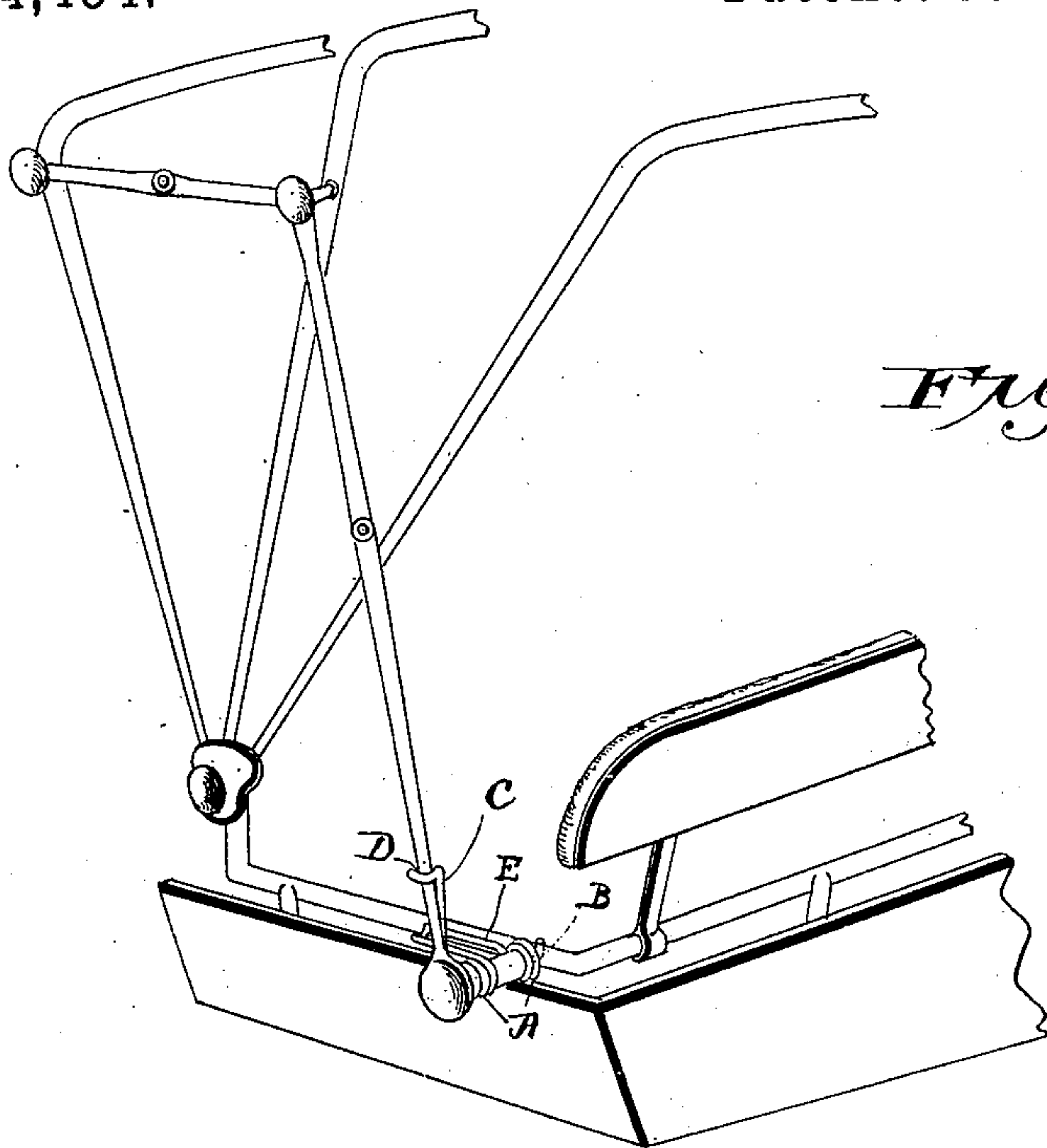
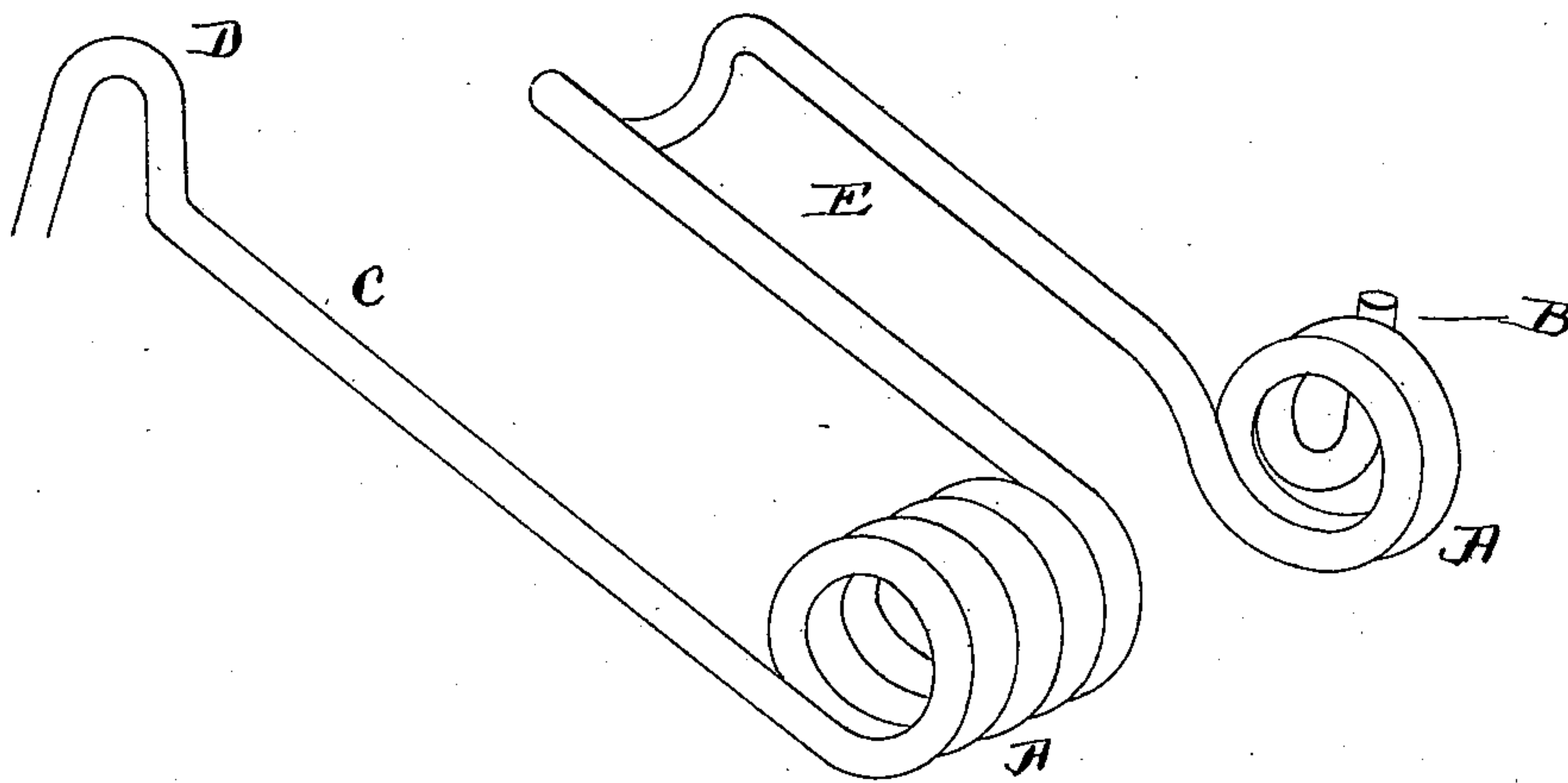


Fig. 1.

Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

CORTEZ VINCENT PUGH, OF VANDALIA, MISSOURI.

BUGGY-TOP SPRING.

SPECIFICATION forming part of Letters Patent No. 404,434, dated June 4, 1889.

Application filed March 21, 1889. Serial No. 304,126. (No model.)

To all whom it may concern:

Be it known that I, CORTEZ VINCENT PUGH, a citizen of the United States, residing at Vandalia, in the county of Audrain and State of Missouri, have invented a new and useful Improvement in Buggy-Top Springs, of which the following is a specification.

My invention relates to improvements in buggy-top springs; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a buggy-top, showing my improved spring applied thereto. Fig. 2 is a detail perspective view of the spring.

My improved spring is applied to the seat of the buggy, and is adapted to hold the top raised and to form a yielding support for the same when it is lowered, so as to prevent breakage of the bows of the top. The spring is formed of a single wire having the coils A provided with the short hook B at one end and the lateral arm C at its other end, having the hook D at its extremity. At its center the wire is extended laterally from the coil, so as to form the U-shaped rest or supporting-arm E, which receives the side bars of the bows of the carriage-top when the said top is lowered.

In practice, the spring is slipped over the shank or fulcrum bolt at the rear corner of the buggy-seat, with the short hook B at its inner end, and with the arm C and the rest E projecting toward the front of the vehicle. The hook B is then engaged under the shifting-rail, and the hook D is engaged over the rear jointed rod or brace of the buggy-top, as

clearly shown in Fig. 1. The spring will thus be caused to exert a pressure on the said brace or rod, so as to press it upward, and thereby relieve the work of raising the top, and also prevent the top being accidentally lowered.

Especial stress is laid upon the rest or supporting-arm E in my spring. This rest or supporting-arm extends forward from the coil and receives the side bars of the buggy-top when the same is lowered, so as to form a yielding support therefor and hold them off the rail of the seat, so that they will not be broken by the jars incident to the travel of the buggy over rough roads.

The tension of the springs can be varied by turning the lateral arm B around the shank or fulcrum bolt a number of times, as will be readily understood. The device is very simple, and its advantages are thought to be obvious.

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

The improved spring for buggy-tops herein described and shown, consisting of a central coiled portion having the hook B at one end, the arm C at its other end provided with the hook D, and the intermediate U-shaped rest or supporting-arm E, substantially as specified.

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

CORTEZ VINCENT PUGH.

Witnesses:

W. F. CAMPBELL,
A. J. PUGH.