

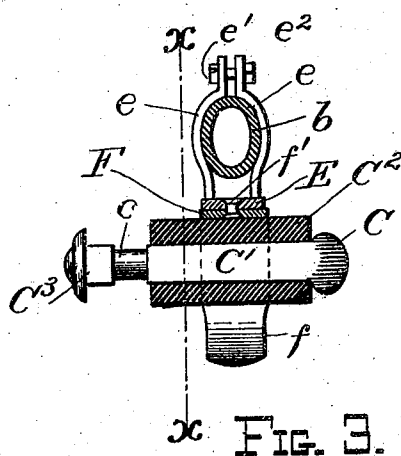
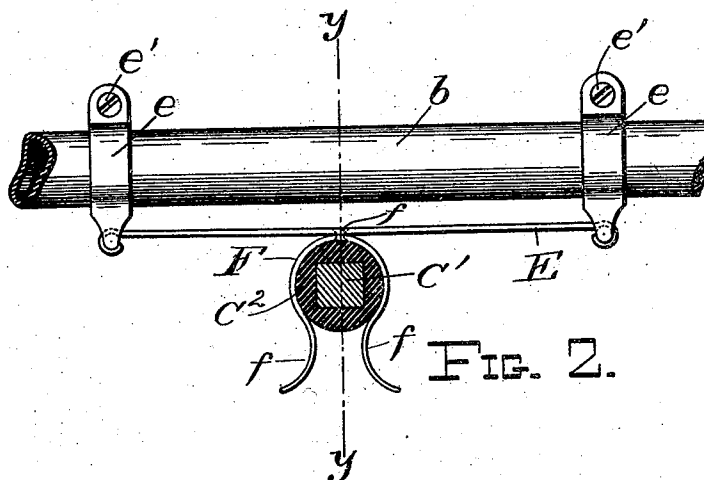
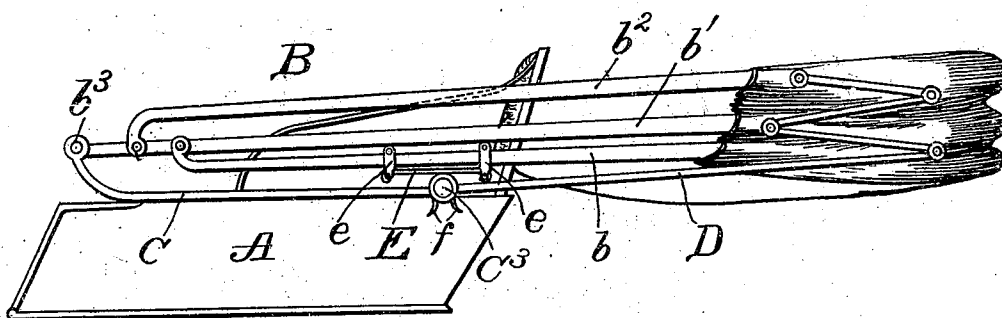
(No Model.)

S. BOUGIE.  
BUGGY TOP SUPPORT.

No. 502,607.

Patented Aug. 1, 1893.

FIG. 1.



Witnesses  
Roy C. Bowen.  
John E. Wilson.

Inventor  
Stephen Bougie,  
By Whitman & Wilkinson,  
Attorneys.

# UNITED STATES PATENT OFFICE.

STEPHEN BOUGIE, OF MARINETTE, WISCONSIN.

## BUGGY-TOP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 502,607, dated August 1, 1893.

Application filed April 17, 1893. Serial No. 470,684. (No model.)

*To all whom it may concern:*

Be it known that I, STEPHEN BOUGIE, a citizen of the United States, residing at Marinette, in the county of Marinette and State of Wisconsin, have invented certain new and useful Improvements in Buggy-Top Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in supports for buggy tops, and it consists of certain novel features hereinafter described and claimed.

In the ordinary form of support or prop in use for supporting the tops of buggies when folded down, the rear bow of the buggy top tends to buckle or bend, owing to the narrowness of the support therefor; moreover there is a tendency for the folded top to shake up and down over its support causing injury to the lower bow, and general wear and tear on the buggy-top. Again, if, as is common, the prop be attached to the back of the seat, the blow caused by folding the top, and the jarring over rough roads, are frequently the cause of cracking and splitting the back of the seat, or bending and breaking the rail, according to which way the prop is attached to the seat. My invention is intended to obviate these defects by providing a broad support for the rear bow when down, and an automatic gripping device for holding the said bow and the superimposed parts against vertical or longitudinal vibrations. I provide a spring bearing and a spring gripping device by which the severity of the blows to which the prop and seat are subjected is materially reduced, due to the yielding action of the springs.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 represents a side elevation of a part of a buggy fitted with my improved supporting device. Fig. 2 represents an enlarged side elevation of the spring supporting device, and Fig. 3 represents a section of Fig. 2, along the line *yy* of the said figure.

A represents the side of the buggy seat, and B represents the buggy-top, provided with

bows *b*, *b'*, and *b<sup>2</sup>* and pivoted at *b<sup>3</sup>* as shown in Fig. 1.

C represents the bent metal piece curved up to the pivot *b<sup>3</sup>*, and provided near its rear end with a square bolt *C'* covered with rubber *C<sup>2</sup>* and having a collar *c* for the holding rod D. for keeping the buggy top up, which is connected to the buggy-top in the usual way, and the lower end of which is pivoted on the said collar *c*, being held thereon by the nut *C<sup>2</sup>*.

E represents a flat spring stretched between the clamps *e* held by clamp screws *e'* and nuts *e<sup>2</sup>* on the rear bow *b*. Riveted at *f'* to the under side of the spring E is the spring clasp F, having curved arms *f* projecting downward and adapted to spring over and hold the rubber sheathing *C<sup>2</sup>* on the bolt *C'*.

The operation of the device is as follows: As the buggy top is lowered the rear bow *b* falls over the prop *C'* and the curved arms *f* slip over the rubber sheathing and spring back clasp the said sheathing. At the same time the weight of the buggy top is brought to bear on the spring E and is distributed by it to the bow *b* at the two clamps *e*, thus giving two points of support to the said bow instead of one as would be the case were the spring E not used. Again, the spring clasp F steadies the bow *b* and prevents it from shaking up and down as the buggy travels over rough roads. The combined effect of the yielding spring E, the spring clasp F and the rubber sheath *C<sup>2</sup>* is to give a broad and yielding support to the lower bow and the weight of the buggy top resting thereon.

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

1. In a folding top buggy, the combination with the prop of a yielding device for supporting and steadying the top when lowered, comprising a spring attached to the lower bow of the buggy top, beneath said bow, and a resilient holding device riveted to said spring and beneath the same, and adapted to engage said prop, substantially as and for the purposes described.

2. In a folding-top buggy, the combination with the prop and a rubber sheathing thereon, of a yielding device for supporting and

steadying the top when lowered, comprising  
a spring attached to the lower bow of the  
buggy top, beneath said bow, and a spring  
clasp riveted beneath said spring and adapted  
5 to clasp said rubber sheathing, substantially  
as and for the purposes described.

3. In a folding top buggy, the combination  
with the prop, of a yielding device for support-  
ing and steadying the top when lowered com-  
10 prising the spring E secured to the lower bow  
of the buggy, the spring clasp F secured be-

neath the said spring and provided with  
curved arm *f* adapted to slip over and hold  
said prop, substantially as and for the pur-  
poses described. 15

In testimony whereof I affix my signature in  
presence of two witnesses.

STEPHEN BOUGIE.

Witnesses:

AMOS HOLGATE,  
HATTIE E. TAYLOR.