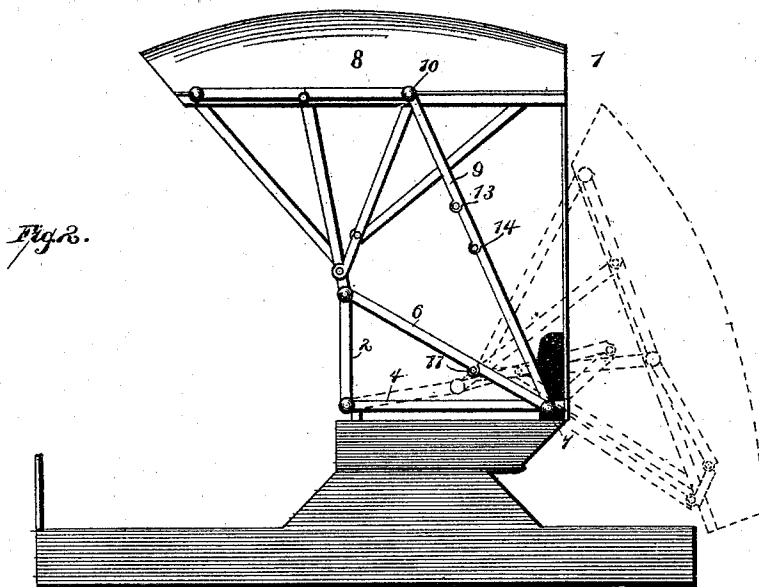
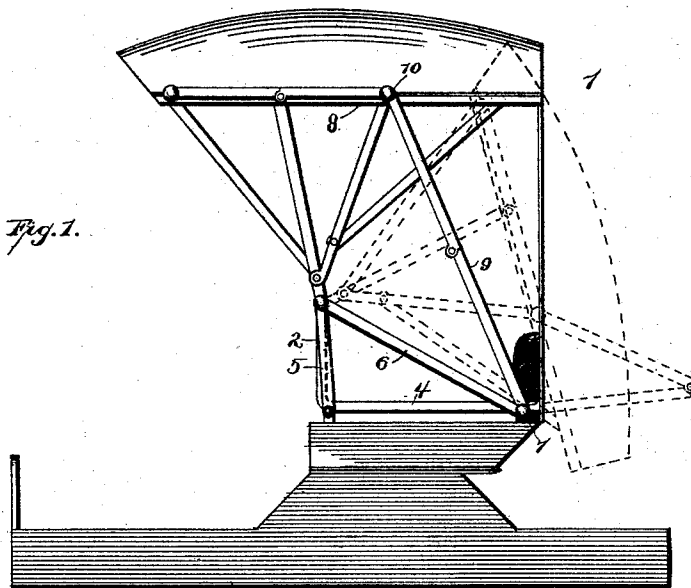


(No Model.)

R. C. GROOM.
BUGGY TOP.

No. 497,173.

Patented May 9, 1893.



R. C. Groom

Inventor

Witnesses
C. S. Frye
C. E. Julian

By *W. H. P. Kins* *Ad. H. Kins*
Attorneys

UNITED STATES PATENT OFFICE.

RICHARD C. GROOM, OF COBB, KENTUCKY.

BUGGY-TOP.

SPECIFICATION forming part of Letters Patent No. 497,173, dated May 9, 1893.

Application filed December 9, 1892. Serial No. 454,699. (No model.)

To all whom it may concern:

Be it known that I, RICHARD C. GROOM, of Cobb, county of Caldwell, and State of Kentucky, have invented certain new and useful Improvements in Buggy-Tops, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce an improved buggy top frame, whereby the weight of the top when lowered is brought farther toward the front of the buggy than by the use of frames now usually employed.

In the ordinary top buggy now in use, the weight of the top, when down, is thrown behind the rear axle, thereby increasing the weight of the draft materially, and tending to strain the parts which carry the top. By my invention I bring the weight of the top in front of the rear axle, and more directly upon the parts which support it.

In the accompanying drawings, Figure 1 is a side elevation of a buggy body, provided with my top, showing the top in the elevated position, and in dotted lines showing it in the lowered position. Fig. 2 is a view of a modified form of my invention, showing the top elevated in full lines, and lowered in dotted lines.

Referring to the figures on the drawings, 1 indicates a buggy body, and 2 an upright carried near the forward edge of the seat in any suitable manner, as for example upon a frame 4, which, for security, passes around the seat and forms at its ends the upright referred to. It may be provided with a side brace 5, and a cross-brace 6, fastened at one end to the top of the upright, and at the other to a pin 7, projecting laterally from near the end of the back of the seat.

8 indicates a collapsible buggy top of any suitable and ordinary construction.

9 indicates a flexible joint pivotally secured to the pin 7, and at its upper end to the top, as indicated at 10.

As indicated in dotted lines in Fig. 1, in lowering the buggy top, the joint 9 is bent, and the top let down upon the cross brace. By reason of the elevation of the upright above the front of the seat, the weight of the top is thrown directly upon the seat, and inside of the rear axle of the buggy.

In Fig. 2 of the drawings I show a modified form in which the top, when depressed, may be folded more completely out of the way than by the device shown in Fig. 1. The difference between the two forms of the invention shown in Figs. 1 and 2 is that the upright is pivoted to the frame 4, the cross brace is jointed, as indicated at 11, and the flexible brace 9 is provided with two joints, as indicated at 13 and 14, respectively instead of one. The relative positions of the parts, when the top is let down, are illustrated in Fig. 2 of the drawings.

While I have illustrated and described certain preferable forms of my invention, I do not desire to limit myself to the exact details of construction herein shown and described; but wish to reserve the right to modify them at will within the scope of my invention.

What I claim is—

The combination with a buggy-body, a hinged upright and hinged cross brace, of a double jointed flexible brace, all cooperating, substantially as and for the purpose specified.

In testimony of all which I have hereunto subscribed my name.

RICHARD C. GROOM.

Witnesses:

J. M. OWEN,
L. B. RUCKER.