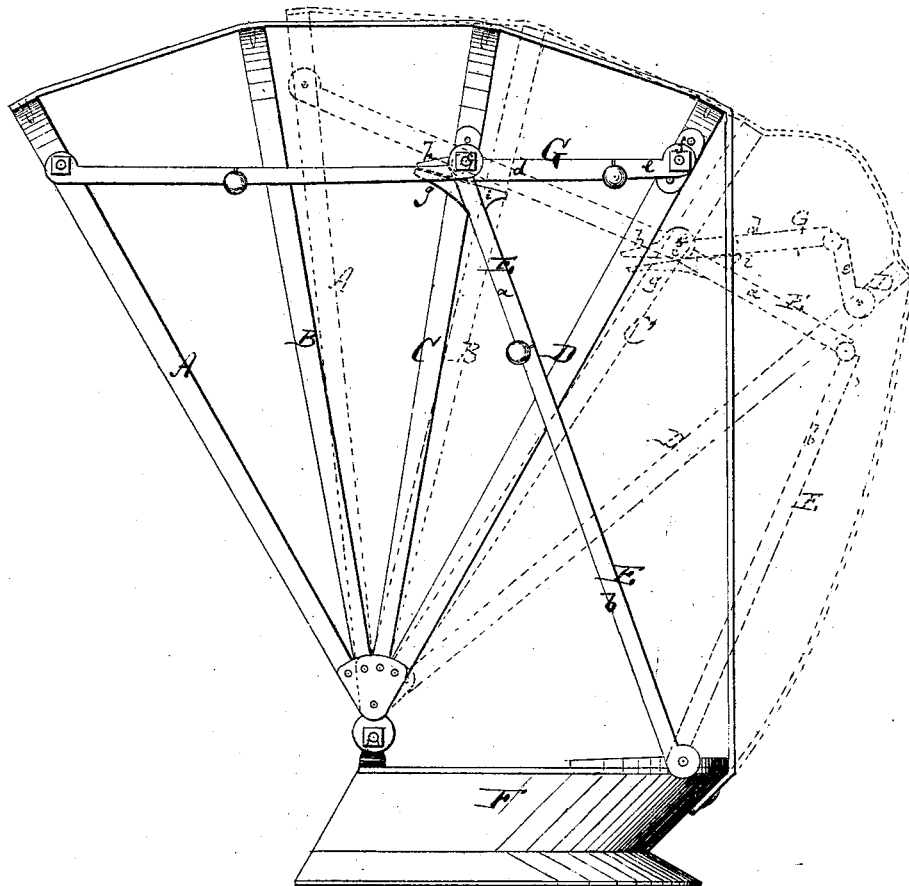


WILLIAM BAUDER.

Improvement in Carriage-Tops.

No. 114,751.

Patented May 16, 1871.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM BAUDER, OF CIRCLEVILLE, OHIO.

IMPROVEMENT IN CARRIAGE-TOPS.

Specification forming part of Letters Patent No. 114,751, dated May 16, 1871.

To all whom it may concern:

Be it known that I, WILLIAM BAUDER, of Circleville, in the county of Pickaway and State of Ohio, have invented a new and Improved Carriage-Top; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which the drawing represents a side view of my improved carriage-top.

This invention relates to a new arrangement of joint for the levers or braces of carriage and buggy tops; and consists in the application of double tongues to the upper end of the upright braces for operating the short levers that keep the two back-bows properly apart.

The tongues serve to connect with the short levers, so as to spread or contract them automatically whenever the upright brace is set up or drawn down.

A B C D are the bows of the carriage-top, connected at their lower ends in ordinary or suitable manner.

E is the upright brace, composed of the jointed levers *a* and *b*, and extending from the carriage seat or frame F to the upper part of the bow C, where it is secured by a pivot-pin, *c*.

G is the short back-brace connecting the back-bows C D, and composed of the jointed levers *d* and *e*. Its front end is pivoted to the bow C by the same pin, *c*, which holds the upright brace, while its rear end is, at *f*, pivoted to the bow D.

A tongue, *g*, projects forward from the

upper end of the upper lever *a*, and extends under a projecting lip, *h*, of the lever *d*.

Another tongue, *i*, projects back from the upper end of the lever *a*, and is under the body of the lever *d*, as is clearly shown in the drawing.

When the braces are extended, as shown by full lines in the drawing, the back-brace G will hold the leather between the back-bows properly stretched, at the same time relieving such bows from undue strain. As soon as the upright brace is contracted to fold the top down, the tongue *i* will strike against the under side of the lever *d*, throwing up and thereby contracting the back-brace, as indicated by dotted lines in the drawing.

When the folded levers *a b* are raised to spread the upright brace, the tongue *g* strikes the lip *h*, and expands thereby the back-brace. The latter is thus operated entirely by the tongues of the upright brace, which form a very simple and effective attachment toward the desired object.

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

1. The upright brace E of a carriage-top, provided with the projecting tongues *g* and *i*, substantially as and for the purpose herein shown and described.

2. The back-brace G, having the lip *h*, and combined with the upright brace which has the projecting tongues *g* and *i*, as set forth.

WILLIAM BAUDER.

Witnesses:

W. H. BOYER,
W. F. HURST.