

G. BOCKSTALLER.
Carriage Tops.

No. 139,450

Patented June 3, 1873.

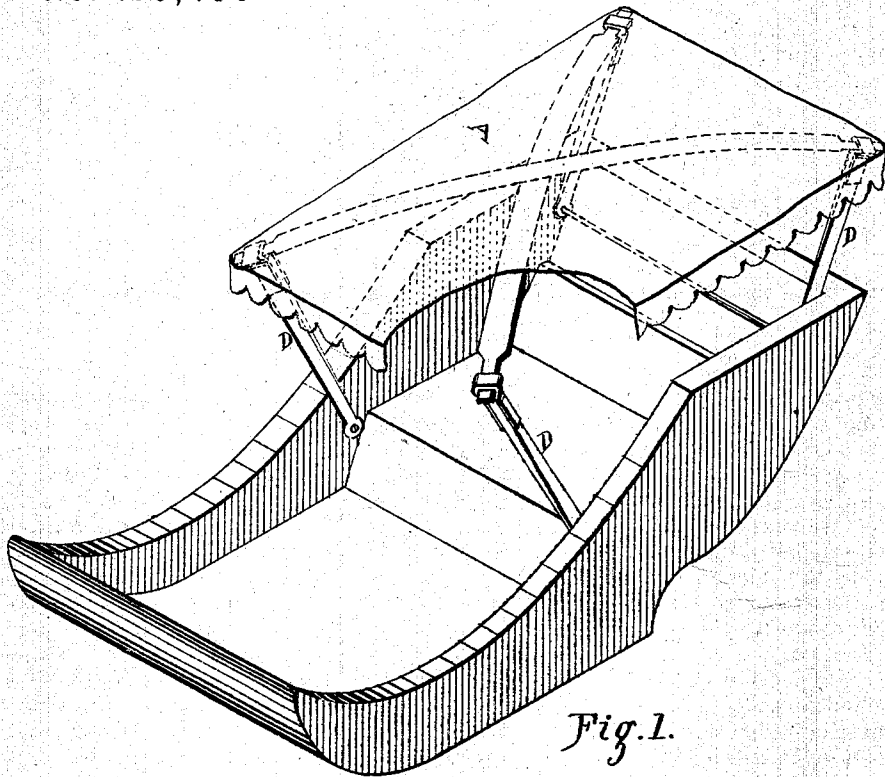


Fig. 1.



Fig. 4.

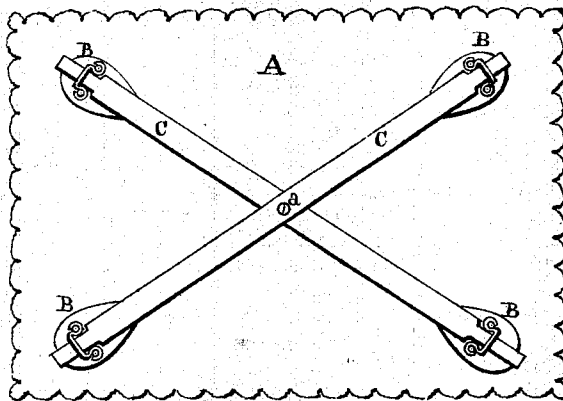


Fig. 2.

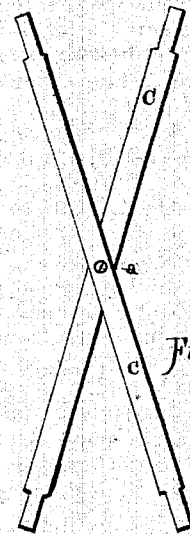


Fig. 3.

Witnesses

*Geo. Snood,
 Chas. J. Hunt*

Inventor.

*Geo. Bockstaller
 per atty
 Thos. S. Sprague*

UNITED STATES PATENT OFFICE.

GEORG BOCKSTALLER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF
HIS RIGHT TO CARL BEER, OF SAME PLACE.

IMPROVEMENT IN CARRIAGE-TOPS.

Specification forming part of Letters Patent No. **139,450**, dated June 3, 1873; application filed
October 29, 1872.

To all whom it may concern:

Be it known that I, GEORG BOCKSTALLER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Folding Tops for Vehicles, Tents, &c.; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my improved top attached to a wagon-body. Fig. 2 is a plan view of the under side of said top, showing the expander-braces and their fastenings. Fig. 3 is a plan of the expander-braces partially closed. Fig. 4 represents a section of the upper end of one of the supports.

Like letters indicate like parts in each figure.

The nature of this invention relates to the peculiar construction and attachments of a folding-top for vehicles of all kinds, tents, awnings, and other purposes where it is desired to remove and attach the top at will, so constructed that, when removed, it can be compactly folded into a very small space.

The invention consists in the construction and arrangement of the various parts, as more fully hereinafter described.

In the accompanying drawings, A represents the top, made of any suitable flexible or textile material, cut into any desired shape. To the under side of this top, and near its corners, are secured the loops B. C are expanders, made of spring-steel or other suitable material, the ends of which are engaged with, and pro-

ject through, the loops B. These expanders are pivoted together at *a*, the center of their lengths, so that when detached they may readily be folded together. D are standards, the upper ends of which are provided with rigid loops E. In the drawings these standards are shown attached to a carriage-body, to which they are pivoted at their lower ends, so that when the top is removed they may be folded down into the bottom of the wagon.

The top A being prepared, the loops B should be secured to the under side thereof, so that when the ends of the expanders are inserted in and through said loops, the top will be stretched smooth in all directions. The standards being set up and secured wherever desired, and at suitable distances apart, the top is raised to place and secured by engaging the projecting ends of the expanders through the rigid loops on the tops of the standards. To give the top the appearance of a turtle-back top, the distance between the tops of the standards should be a little less than the distance between the loops on the under side of the top.

What I claim as my invention, and desire to secure by Letters Patent, is—

A folding-top, A, secured to the standards D by means of the loops B E, and expanders C, substantially in the manner and for the purposes set forth.

GEORG BOCKSTALLER.

Witnesses:

WM. H. LOTZ,
ADOLPH LOTZ.