L. H. GANO.

Carriage-Top.

No. { 1,554, 32,558. }

Patented June 18, 1861.

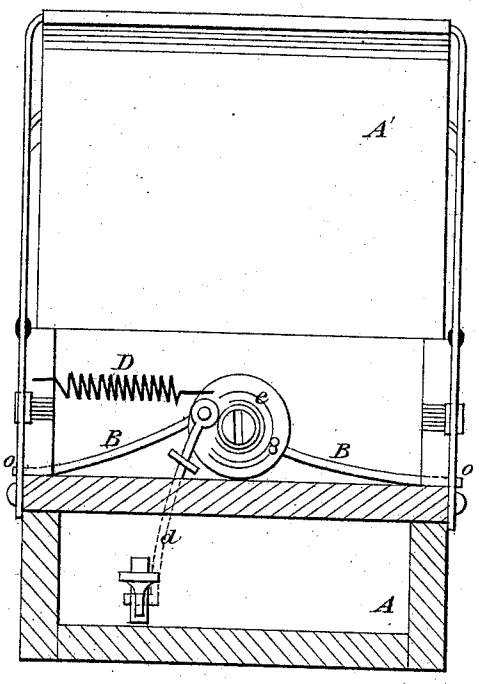


Fig. 1.

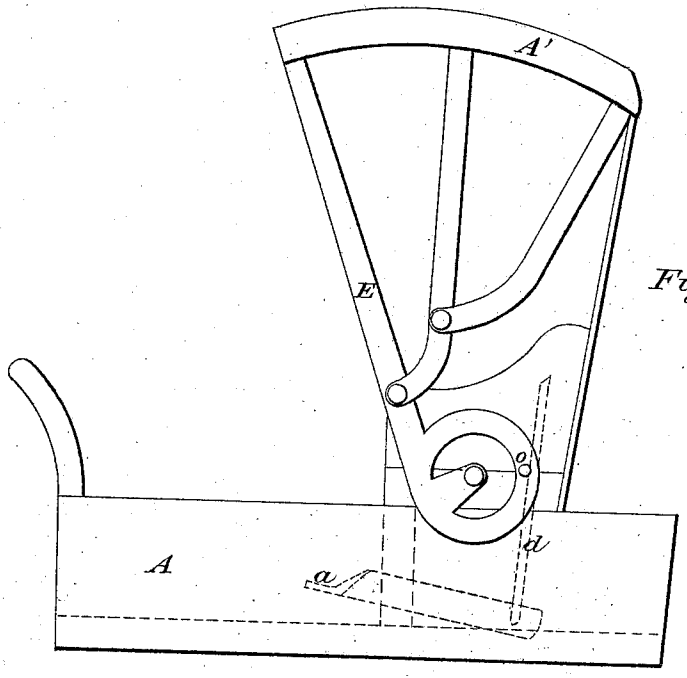


Fig. 2.

Witnesses.

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AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

L. H. GANO, OF RIPON, WISCONSIN.

BUGGY-TOP.

Specification of Letters Patent No. 32,558, dated June 18, 1861.

To all whom it may concern:

Be it known that I, L. H. GANO, of Ripon, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Buggy-Tops; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in constructing and arranging the several parts of this top in the manner hereinafter set forth.

In the annexed drawings making part of this specification, A represents the body of the buggy and A′ the top.

E represents the front rib or bow of the top, which is in the usual form, but which is provided at each end with a wheel or disk through and by means of which it is secured to the body. A bolt passes through the center of this wheel and secures the top to the body of the buggy.

a represents a lever which is situated in the bottom of the body and which passes back under the seat as shown, Fig. 2.

e represents a disk which is secured in the back of the body and which turns upon a center pin or bolt which secures it. The lever *a* is connected to this disk by means of a rod *d*.

B B represent two rods secured to the disk *e*, near its periphery—the outer ends of these rods pass through the sides of the body and into opening in the wheels, on the ends of the bow, as seen at *o*, Figs. 1 and 2.

D represents a spring attached to the disk *e*, which draws it in an opposite direction after it has been operated upon by the lever *d*.

It will be perceived that when the foot is applied to the lever *a*, the disk *e* is moved by the rod *d*, and revolving partially it draws the rods B B from the openings in the wheels upon the ends of the bow, and thus leaves the top free to be put down. When the top is raised the spring D operates upon the disk *e*, so as to throw the rods into the openings in the wheels and thus station the top. This arrangement is very simple and effective and may be operated by the foot of the driver or by his hand while sitting upon the seat of the buggy.

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

The employment of the lever *a*, rod *d*, disk *e*, spring D, and rods B, B, together with the wheel or its equivalent upon the lower portions of the front rib or bow of the top, the several parts being arranged and used as and for the purpose specified.

L. H. GANO.

Witnesses:

I. KELLOGG,

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