H. A. ROBERTSON.
Carriage Top Prop.

No. 217,746. Patented July 22, 1879.

Fig. 1

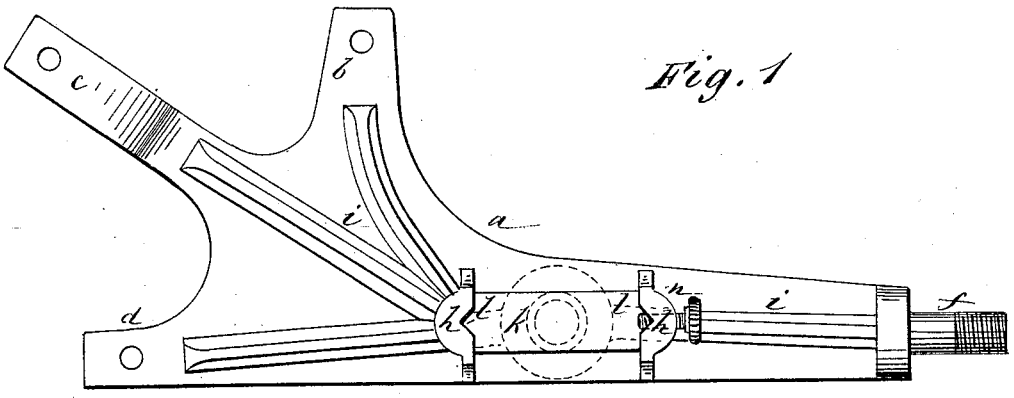


Fig. 2

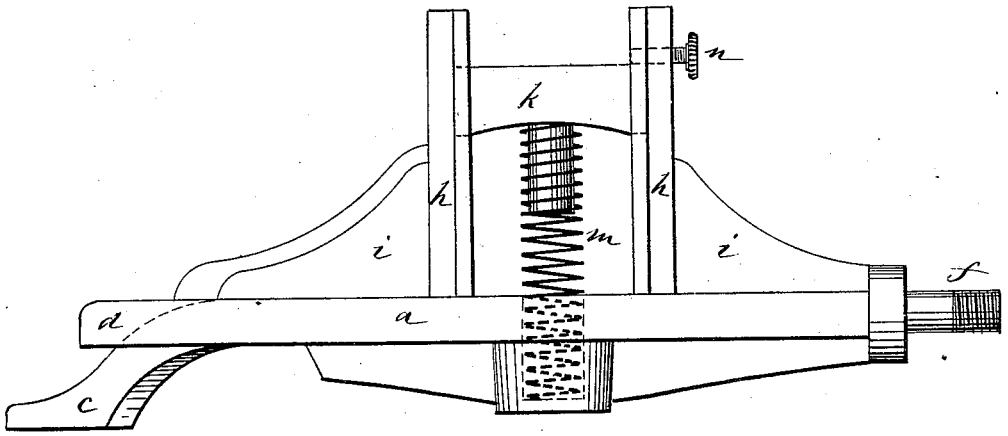
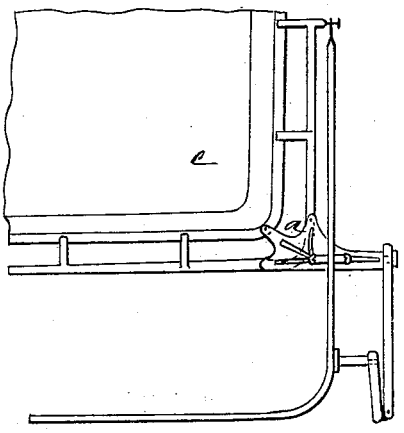


Fig. 3



WITNESSES:
C. Neveux
E. Sedgwick

INVENTOR:
H. A. Robertson
BY Munn & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY A. ROBERTSON, OF HASKINS, OHIO.

IMPROVEMENT IN CARRIAGE-TOP PROPS.

Specification forming part of Letters Patent No. **217,746**, dated July 22, 1879; application filed January 22, 1879.

To all whom it may concern:

Be it known that I, HENRY A. ROBERTSON, of Haskins, in the county of Wood and State of Ohio, have invented a new and useful Improvement in Props for Carriage-Tops, of which the following is a specification.

My invention relates to an elastic prop or bearing for carriage-tops for supporting them when turned back; and the object of my improvement is to preserve the frame-work of the top.

In the accompanying drawings the prop is shown in a form adapted for a buggy.

Figure 1 is a plan view. Fig. 2 is a side elevation. Fig. 3 is a plan view, representing the prop applied to a buggy-seat.

Similar letters of reference indicate corresponding parts.

The base *a* of the prop is of metal, and is formed with three lugs or arms, *b c d*, whereby it is attached to the seat *e*, as represented in Fig. 3. The arms *b d* are bolted to the seat-rack, while the arm *c* is bent down and extends to the seat *e*, to which it is bolted. The outer end of base *a* is formed as a pivot-pin, *f*, of usual character, for the jointed braces of the buggy-top.

From the upper side of base *a* rise two standards, *h h*, which are formed with or connected rigidly to the base, and braced by braces *i*. These standards *h* form guides for the bearing-block *k*, that is placed between them, and has V-shaped lugs *l* at its end, which enter correspondingly-shaped grooves at the inner sides of standards *h*. *m* is a spiral spring that is held in a mortise in base *a*, and takes against the under side of block *k*, to force the block upward, and retain it at its highest point.

I have shown a thumb-screw, *n*, which passes through one standard *h* and projects above block *k*, for the purpose of limiting the movement of block *k* upward.

The block *k* forms the bearing or prop for the bows of the carriage when the top is turned down, and the parts are to be of a size to receive the bows between the standards *h* on block *k*. The elastic support thus obtained prevents any injury to the frame or other parts by shocks or jolting, and is especially useful for that purpose when the top falls by accident or carelessness.

The device described is light and ornamental. The parts may be made lighter than when the bearing is rigid, as the elastic bearing takes the strain. In the form shown in the drawings the bearing is adapted for application to the right-hand side of the carriage, and it will be understood that the bearing for the opposite side will have the parts placed in a reverse position.

To prevent weakening of the lugs *b d* by boring holes, they may be attached to the rack by hook-bolts.

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

1. The improved carriage-top prop, consisting of the base *a*, standards *h*, bearing-block *k*, and spring *m*, constructed and arranged substantially as described and shown, and for the purposes set forth.

2. In a carriage-top prop, the combination, with the base *a*, having lugs *b c d*, of the grooved standards *h h*, bearing-block *k*, provided with lugs *l*, and the spiral spring *m*, fitted in a mortise in base *a*, substantially as and for the purposes specified.

HENRY ARCHIBALD ROBERTSON.

Witnesses:

JAMES F. ROBERTSON, M. D.,

ANTHONY F. COBLEY.