

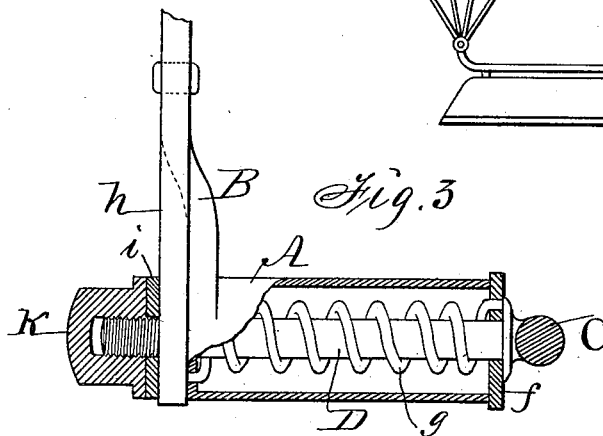
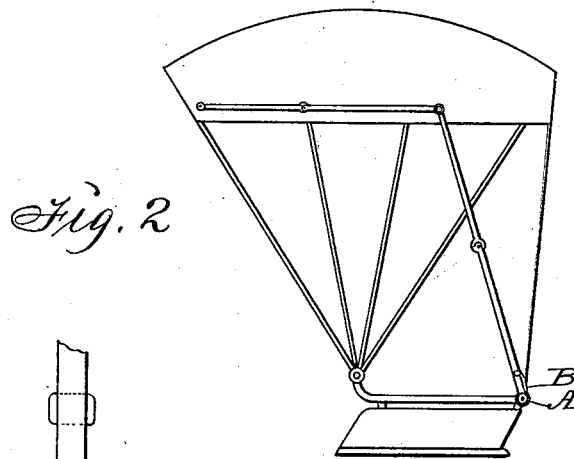
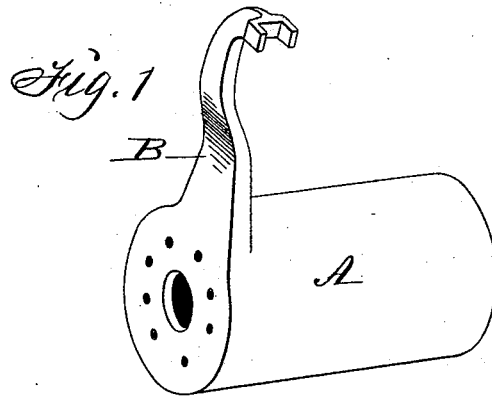
(No Model.)

H. HAGGE & J. W. SANKEY.

BUGGY TOP.

No. 342,746.

Patented May 25, 1886.



Witnesses:
W. A. Anderson.
R. H. Orwig. }

Inventors: { Henry Hagge
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UNITED STATES PATENT OFFICE.

HENRY HAGGE AND JOSEPH WESLEY SANKEY, OF WALNUT, ASSIGNORS
OF ONE-THIRD TO PETER WIESE, OF AVOCA, IOWA.

BUGGY-TOP.

SPECIFICATION forming part of Letters Patent No. 342,746, dated May 25, 1886.

Application filed August 17, 1885. Serial No. 174,662. (No model.)

To all whom it may concern:

Be it known that we, HENRY HAGGE and JOSEPH WESLEY SANKEY, citizens of the United States of America, and residents of Walnut, in the county of Pottawattamie and State of Iowa, have invented an Attachment for Lifting Buggy-Tops, of which the following is a specification.

Our invention relates to the manner of combining a spring with the jointed brace of a folding top on a vehicle for the purpose of facilitating the raising and lowering of the top, and to prevent the breaking of bows incident to the falling of tops.

Heretofore a coiled spring has been slipped over an arm projecting from the seat-rail of a buggy-top and the inner end of the spring fastened to the rail, and its outer end inserted in a perforation formed in the jointed brace; but perforating the brace weakens it, and we avoid doing so by forming a combined sleeve and lever and adjustably connecting the spring therewith, as hereinafter set forth, in such a manner that the tension of the spring can be readily regulated to suit the weight of the folding top.

Figure 1 of the accompanying drawings is a perspective view of our sleeve and lever combined. Fig. 2 is a side view of a buggy-top having our complete device applied, as required, for practical use. Fig. 3 is a sectional view of the device on an arm extending from the seat-rail of a buggy-top.

A is a metal sleeve, open at one end and partly closed and perforated at the other end, as clearly shown in Fig. 1.

B is a lever formed integral with the sleeve and bent outward relative to the end of the sleeve, and provided with a fork at its free end, in such a manner that it will engage the jointed brace of a folding top, as clearly shown in Fig. 2.

C represents the seat-rail of a buggy-top, and D an arm extending horizontally outward from the rail and top in a common way.

f is a metal washer slipped over the arm D to rest against a shoulder at its base.

g is a coiled spring placed over the arm D, and its end inserted in a perforation in the washer f. The sleeve A, passed over the spring g and arm D, abuts against the washer f, and conceals and protects the spring and arm and allows the front end of the spring to enter one of the perforations in the front end of the sleeve.

h is a jointed brace and top-prop pivoted to the arm D, in a common way, contiguous to the end of the sleeve A and the lever B, to extend upward through the forked end of the lever, as clearly shown in Fig. 3.

i is a washer placed on the arm and against the end of the brace h.

k is a screw-cap of common form, placed on the screw-threaded end of the arm D to retain all the detachable parts in place.

To regulate the tension of the spring g, as required to suit the weight of a folding top, we simply change the end of the spring from one perforation to another in the front end of the sleeve.

We claim as our invention—

1. The sleeve A, having an integral arm or lever, B, and perforations in its end, substantially as and for the purposes stated.
2. The combination of the sleeve A, having an integral arm, B, and perforations in its end, the spring g, the arm D, and the jointed brace h, to operate in the manner set forth, for the purposes specified.

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Witnesses:

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