

(No Model.)

J. F. KOLB, H. H. ALLEN & C. F. ST. CLAIR.

BUGGY BOW SUPPORT.

No. 396,211.

Patented Jan. 15, 1889.

Fig 1

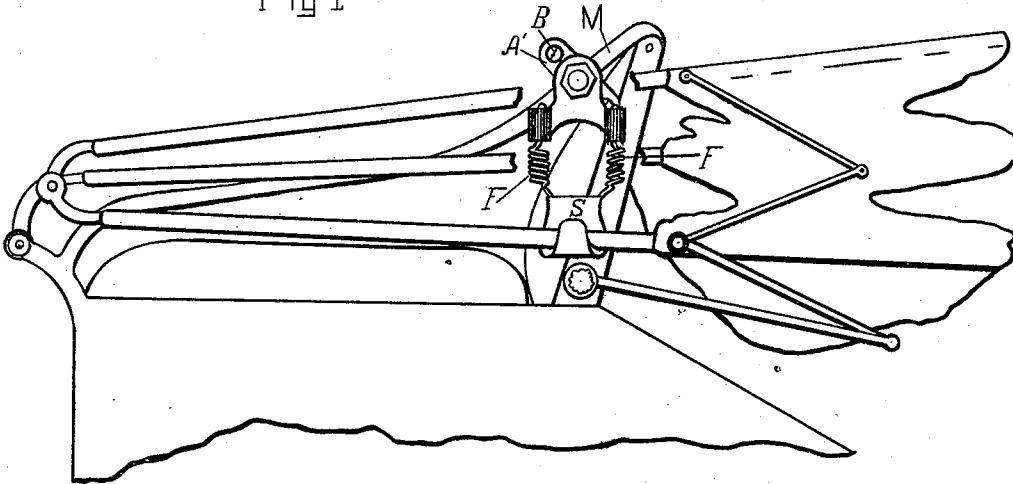


Fig 2

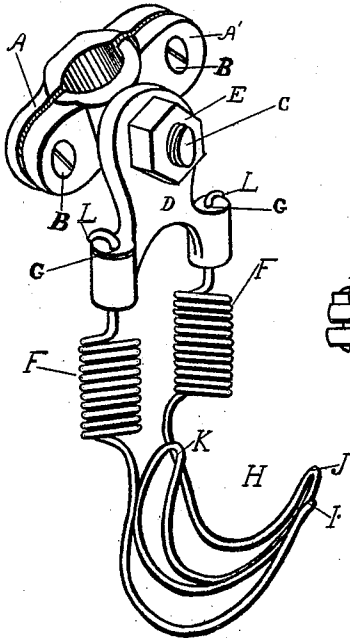


Fig 4

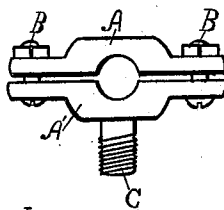
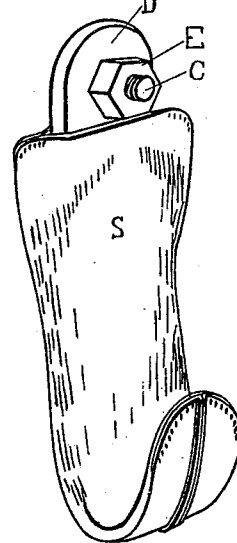


Fig 3



Witnesses.

M. Q. Galer.
L. R. Hies

Inventors

1 Jonathan Francis Kolb
3 Charles Francis St. Clair
Homer H. Allen

By their Attorneys

Hazard & Townsend

UNITED STATES PATENT OFFICE.

JONATHAN F. KOLB, HOMER H. ALLEN, AND CHARLES F. ST. CLAIR, OF OCEANSIDE, CALIFORNIA; SAID ALLEN AND SAID ST. CLAIR ASSIGNORS TO SAID KOLB.

BUGGY-BOW SUPPORT.

SPECIFICATION forming part of Letters Patent No. 396,211, dated January 15, 1889.

Application filed July 24, 1888. Serial No. 280,947. (No model.)

To all whom it may concern:

Be it known that we, JONATHAN FRANCIS KOLB, HOMER H. ALLEN, and CHARLES FRANCIS ST. CLAIR, citizens of the United States, and residents of Oceanside, in the county of San Diego and State of California, have invented a new and useful Improvement in Buggy-Bow Spring-Supports, of which the following is a specification.

Our invention relates to that class of devices designed to serve as a support for the bows of buggy-tops.

The object of our invention is to produce a neat, simple, and cheap support, which can be easily attached to the buggy and which will prevent the bows and their fastenings being strained by severe jolts.

The accompanying drawings illustrate our invention.

Figure 1 represents one of our supports attached to a buggy-seat, and shows the buggy-top lowered to rest therein. A part of two of the buggy-bows are broken away to expose the support. The upper end of the leather sheath or covering S is also cut away to expose the springs of the rest. The support is shown larger in proportion than it is usually made in order to make a clear drawing. Fig. 2 is a perspective view of the support with the sheath S removed. Fig. 3 shows the leather sheath in place on the pendent hook. Fig. 4 shows the clamp A A' and the pivot-bolt C.

Our invention comprises a pendent hook having a spiral spring-support and means for securing the spring-support to the arm or back of the buggy-seat with the point of the hook upward, so that when the buggy-top is lowered the back bow will rest in the bend of the hook, thereby causing the top to be supported by the springs.

It also consists in the device employed by us to form the hook and its spring-support; also in the construction and combination of the several parts.

A A' are the two halves of a clamp held together by bolts B B. Secured to and projecting from one of these is the pivot-bolt C, upon which the hanger D is pivoted. The hanger D is secured upon the bolt C by suitable means, as the nut E. At the lower end of the hanger

we provide means for securing the upper ends of the spiral springs F, to the lower ends of which the hook H is secured. The means for attaching the springs to the hanger shown consist of two holes, G, through which are passed the ends of the wire of which the springs and hook are made, the ends of the wire being bent to prevent them from being withdrawn therefrom.

The hook and the springs which support it are formed of a single piece of wire having a spring-coil, F, near each end, and being bent upon itself between the springs to form the loops I J K and the hook H. In order to form a broad flat rest for the bow and hold the sheath in form, the wire between the spring-coils is bent to form the three loops I J K, which are wider than the sheath, but may be pressed together when inserted in the sheath, so that their tendency to spring apart will stretch the sheath and prevent it from becoming loose upon the hook.

The sheath consists of a plain leather bag open at one end and which is drawn over the hook, springs, and hanger to prevent them from wearing the buggy-bow. The wire forming the springs and hook is secured to the hanger by being passed through the holes G and having its ends L L bent over to prevent the wire from being withdrawn.

The clamp A A' is specially adapted to be fastened upon the rod M, forming the side of the seat. This rod or brace is placed in different positions in different buggies, being almost horizontal in some and in others almost perpendicular. By means of the pivot-bolt C the hook is allowed to hang vertical, regardless of the position of the rod to which it is secured. The nut E may be screwed firmly upon the hanger, if desired, to clamp it in any one position.

Now, having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A buggy-bow support comprising a pendent hook having a spiral spring-support, and means for securing the spring-support to the buggy-seat with the point of the hook upward.

2. The combination of the clamp, the pivot-bolt projecting therefrom, the hanger secured

thereon, the pendent hook, and spiral springs connecting the hook with the hanger.

3. The combination of the clamp A A', the bolts B, the pivot-bolt C, secured to and projecting from the clamp, the hanger D, the spiral springs F, secured thereto by their upper ends, and the hook H, secured to the lower ends of such springs.

4. The combination of the clamp, the pivot-bolt C, the hanger D, the spiral springs F F, secured thereto by their upper ends, and the hook H, comprising the loops I J K, secured to the lower ends of the springs.

5. In a buggy-bow support such as described, the hook and springs formed of a single piece of wire having a spring-coil, F, near each end and being bent upon itself between the springs A to form the loops I J K and the hook H.

6. The combination of the clamp, the pivot-bolt C, the nut E, the hanger D, the spiral springs F F, secured thereto by their upper ends, and the hook H, comprising the loops I J K, secured to the lower ends of the springs.

7. The combination of the clamp, the pivot-bolt C, the nut E, the hanger D, the spiral springs F F, secured thereto by their upper ends, and the hook H, comprising the loops I J K, secured to the lower ends of the springs, and the sheath S.

J. F. KOLB.
HOMER H. ALLEN.
C. F. ST. CLAIR.

Witnesses:

JAMES R. TOWNSEND,
GEO. COLEMAN.