No. 773,963. PATENTED NOV. 1, 1904.

P. A. McCUE.

BUGGY TOP SUPPORT.

APPLICATION FILED JUNE 16, 1904.

NO MODEL.

Fig 1.

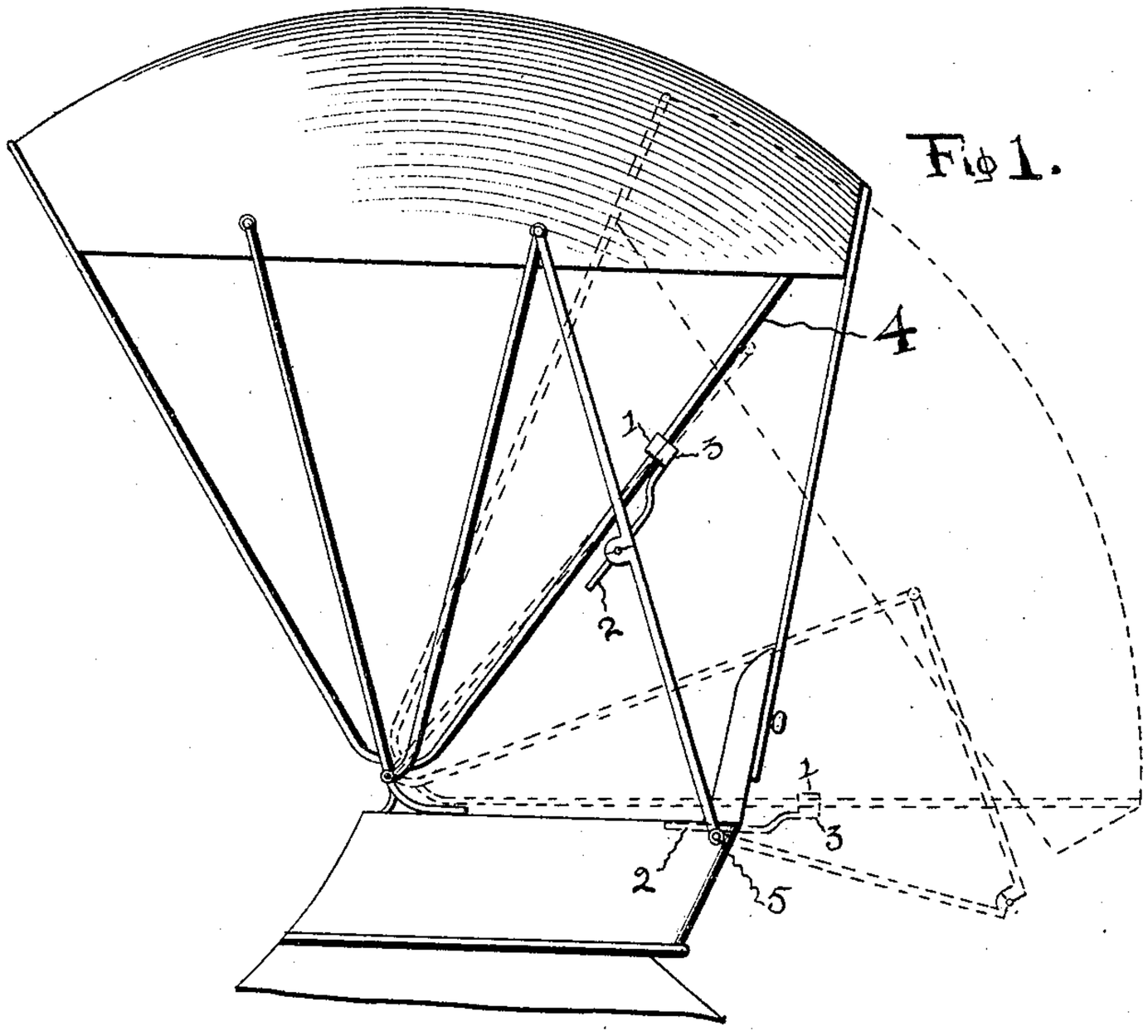


Fig 3.

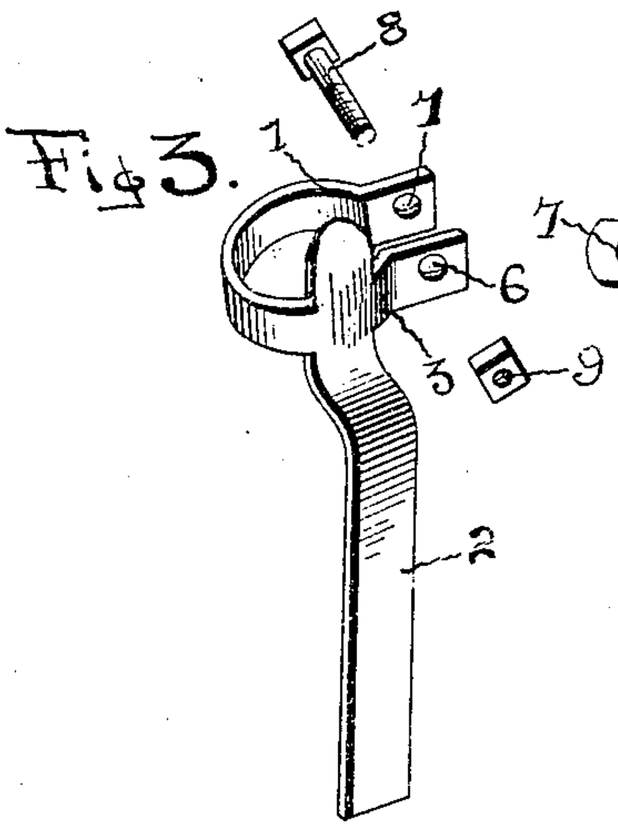
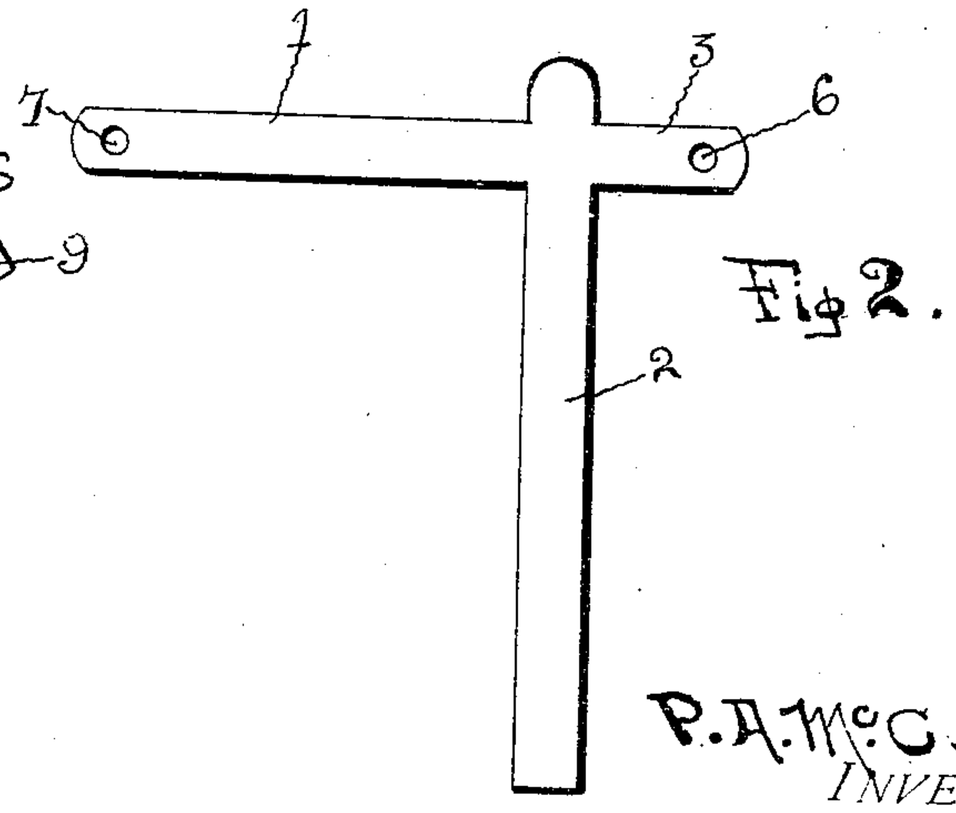


Fig 2.



WITNESSES:

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No. 773,963. Patented November 1, 1904.

UNITED STATES PATENT OFFICE.

PATRICK A. McCUE, OF TOLEDO, OHIO.

BUGGY-TOP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 773,963, dated November 1, 1904.

Application filed June 16, 1904. Serial No. 212,869. (No model.)

To all whom it may concern:

Be it known that I, PATRICK A. McCUE, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Improvement in Buggy-Top Supports, of which the following is a specification.

My invention relates to supports for buggy-tops, and has for its object to provide a spring device adapted to carry the weight of a buggy-top when down and to prevent jar and strain upon the bows.

A further object of my invention is to construct such a spring in the cheapest practicable manner from a single piece of sheet metal, my improved spring being adapted to be stamped out and formed entirely by machinery.

In the devices heretofore provided for the purpose specified the spring member has been complicated in construction, unsightly in appearance, very difficult to keep in order, and so connected as to wear the curtains or other portions of the buggy-top to which it is attached.

One of the principal objects of my invention is to provide an extremely-simple device for the purpose specified which will be free from all of the objections mentioned and which may be so attached to a bow of the buggy-top as to prevent wear upon any of the parts.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a side elevation of a buggy-top with my improved spring-support attached, showing in outline the position of the buggy-top when down and my improved spring in operative contact with the brace-lug upon the side of the seat. Fig. 2 is a view of the spring as it appears when stamped from a sheet of metal and before being formed into finished shape for attachment. Fig. 3 is a perspective view of my spring properly formed to clasp upon the bow of a buggy with the spring member in an outstanding position. Fig. 3 also shows a bolt and nut which may be used as an auxiliary means for clamping the spring upon the bow.

Like characters of reference designate corresponding parts throughout the several views.

In the preferred construction of my invention I stamp from a sheet of metal the blank shown at Fig. 2, being in the form of a T, with the arm 1 extending a greater distance upon one side of the vertical portion 2 than the arm 3. The arms 1 and 3 are curved, as shown at Fig. 3, in the form to embrace, fit, and clasp the bow 4 of a buggy-top. The vertical portion 2 is curved first outwardly and then downwardly and so disposed as to occupy a position substantially parallel with but somewhat removed from the bow 4. The spring so constructed is clasped upon the bow 4 in such position that when the buggy-top is lowered the outstanding spring portion 2 will contact with the lug 5, commonly secured to the seat and to which is pivoted the hinged brace which holds the top in an upright position.

As a means for exerting when desired a greater and auxiliary clamping force upon the bow 4 I provide within the extremities of the arms 1 and 3 holes 6 and 7. The extremities of said arms 1 and 3 are so bent as to stand substantially parallel with each other when clasped about the bow of a buggy-top. Within the holes 6 and 7 may be placed a screw-threaded bolt 8, and a nut 9 may be placed thereon to draw the extremities of arms 1 and 3 more tightly together. It will be understood that the spring may be retained in position by the clamping force of the arms 1 and 3 either with or without the use of the bolt 8 and nut 9.

It is obvious that the spring 2 might be made separate from and retained within the clamping member. It is also obvious that other auxiliary means than the bolt 8 and nut 9 might be used in connection with the clamp

and that other changes in the minor details of construction might be made within the scope of my invention.

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

1. A device of the character described consisting of a single piece of sheet metal in the form of a T, and finished by curving the two upper arms to embrace and clamp the bow of a buggy-top.

2. A device of the character described consisting of a single piece of sheet metal in the form of a T, and finished by curving the two upper arms to embrace and clamp the bow of a buggy-top, and bending the depending leg outwardly from the bow.

3. A device of the character described consisting of a single piece of sheet metal in the form of a T, finished by curving the two upper arms to embrace and clamp the bow of a buggy-top, and bending the depending leg outwardly from the bow, and all so disposed that the outstanding spring-leg is adapted to bear upon a properly-placed support.

PATRICK A. McCUE

In presence of—
CHARLES McINTYRE,
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