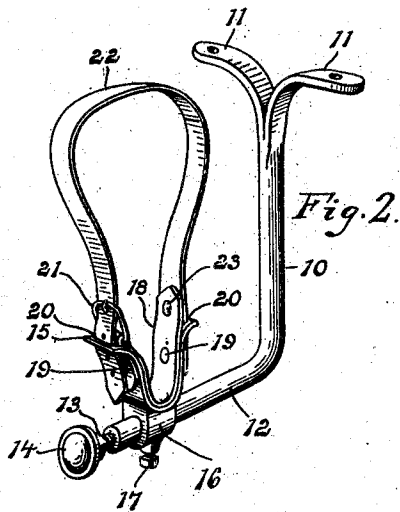
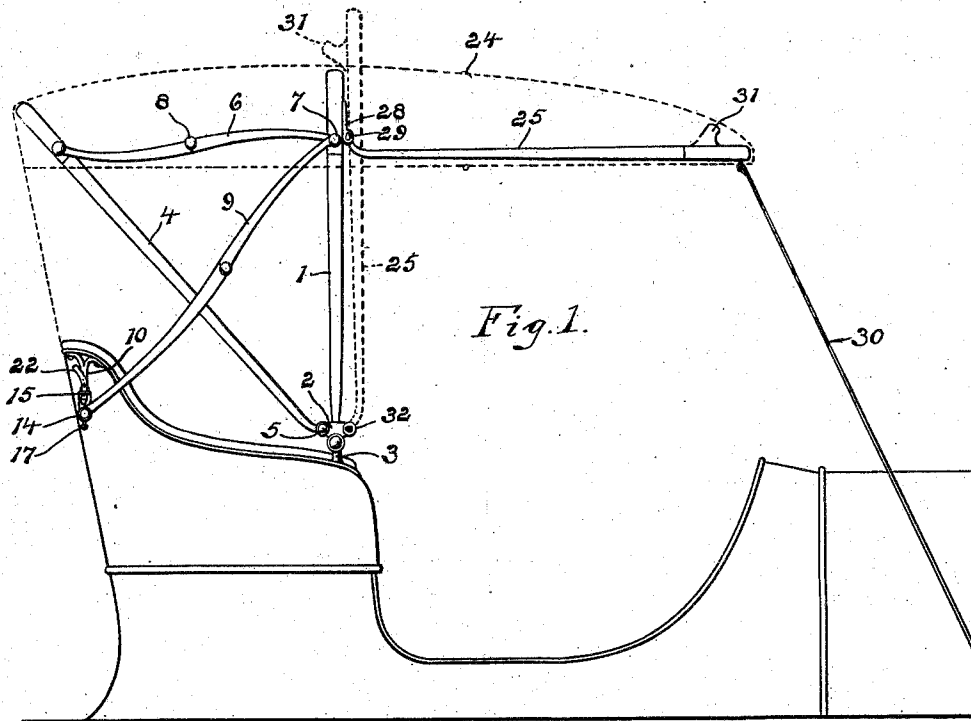


H. H. CHRISTIE.
VEHICLE TOP.
APPLICATION FILED APR. 6, 1908.

981,168.

Patented Jan. 10, 1911.



WITNESSES:

A. M. Dorr
C. L. Wren

INVENTOR

Haldane J. Christie
BY
[Signature]
ATTORNEYS

UNITED STATES PATENT OFFICE.

HALDANE H. CHRISTIE, OF JACKSON, MICHIGAN.

VEHICLE-TOP.

981,168.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed April 6, 1908. Serial No. 425,314.

To all whom it may concern:

Be it known that I, HALDANE H. CHRISTIE, a citizen of the United States of America, residing at Jackson, in the county of Jackson and State of Michigan, have invented certain new and useful Improvements in Vehicle-Tops, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in vehicle tops and more especially to prop rests.

The object of the invention is to provide a form of prop rest which will securely hold 15 the top when folded and yet be adjustable to the variations in widths of bodies and angles of bow tops.

To this end the invention consists in the particular construction, arrangement and 20 combination of parts all as hereinafter more fully described, reference being had to the accompanying drawing in which—

Figure 1 is a side elevation of a top frame embodying the invention attached to an 25 automobile seat in position for use and showing the top cover in dotted lines. Fig. 2 is a perspective view of the supporting top bracket and stirrup.

As shown in the drawing 1 is a vertical or 30 standard bow on the top frame having upon its lower end the pivot-casting 2 which is pivotally attached in the usual way to a post 3 secured in any desired manner to the vehicle-seat. 4 is the rear or diagonal bow 35 of the usual form and construction pivotally attached at its lower end to the rearwardly extending ear 5 on the pivot-casting 2. When the frame is in its extended or operative position the bow 4 is held relative to 40 the bow 1 by the jointed brace 6 pivotally attached at one end to the bow 4 near the spring of its arch and at its opposite end to the bow 1 by the pivot-bolt 7, said brace being provided intermediate its ends with a 45 rule-joint 8. A similar jointed brace 9 is pivotally attached at its upper end to the pivot-bolt 7 and at its lower end to the outwardly extending end of a bracket-arm 10 attached to the vehicle-seat. The bracket- 50 arm 10 consists of a rod formed at one end with curved and laterally extending arms 11 having holes to receive bolts for attaching the bracket to the seat or seat rail of the vehicle. Intermediate its ends the rod is bent 55 at right angles to extend outward from the vehicle-seat and this outwardly extending

end 12 is provided with an axial screw-threaded opening to receive a bolt 13 having a head 14 and upon which bolt the lower end of the brace 9 turns. Instead of bolting the 60 bracket-arm 10 to the seat rail it may be integrally formed therewith as by forging.

15 is an upwardly opening U-shaped stirrup provided on its lower side with an ear 16 having an opening to receive the arm 12 65 of the bracket and turn thereon, a set-screw 17 extending through the ear into engagement with the arm to hold the stirrup in the desired position relative to the bracket. The stirrup is lined on its inner face with a 70 leather strap 18 secured thereto by rivets 19 passing through the strap and stirrup. In the upper outwardly curving ends of the stirrup are slots 20 and one end of the lining strap is formed with a loop to hold a buckle 75 21 by having its end turned downward through the slot on the outside of the stirrup and secured by the rivet 19. A holding-strap 22 is secured at one end to one side 80 of the stirrup by being passed through the slot 20 and secured by one of the rivets 19 and by a rivet 23 passing through said strap and through the free end of the lining-strap. The opposite end of the securing-strap 22 is 85 provided with holes to receive the tongue of the buckle and the free end may be tucked through the slot in the stirrup.

The forwardly extending portion of the cover 24 of the top is supported and held in its extended position when the top is raised 90 by the front or horizontal bow 25 which bow is provided at each end with an outwardly extending bolt. An eye-plate 28 is secured to each side of the bow 1 near the spring of its arch and this plate is formed with an 95 eye 29 to receive the bolt. The bow 25 is prevented from swinging upward and disengaging itself from the eye-plates by guy-straps 30 attached at one end to the forward side of the bow and at their opposite ends to 100 any convenient part of the vehicle. A cross-bow 31 is attached at its ends to the upper edge of the bow 25 near the spring of the arch of said bow and extends at an inclination to the plane of the arch of the bow 25 105 to support the cover 24 and form a curving top surface.

To fold the vehicle-top, the straps 30 are disconnected, the bow 25 and its bolts disengaged from the eyes 29 and said bow 110 then folded up against the bow 1 as shown in Fig. 1, the bolts being reengaged with

suitable ears 32 on the pivot-casting 2. The top may be further folded by breaking the joints in the braces 6 and 9 thus permitting the bows 1 and 4 to fold together and to
 5 turn upon the pivot-post 3 down into engagement with the stirrup on the bracket 10, the strap 22 is then passed around the bows and all secured within the stirrup. By loosening the set-screw 17 the stirrup may be
 10 adjusted longitudinally of the arm 12 for different widths of bows and it may be also rotatively adjusted upon said arm to bring it in proper relation to the bows.

Having thus fully described my invention
 15 what I claim is:—

1. A bow support, comprising a U-shaped support, a strap attached to one arm of the support at one end, a second strap to engage
 20 support and attached to the first named strap at one end and also having a loop at the other end secured to the other arm of the support, and a buckle pivoted in said loop and adjustably engaging the first named
 25 strap.

2. A bow support, comprising a stud, a U-shaped support adjustably mounted on the stud and having arms outwardly turned at the upper ends provided with openings
 30 to receive a strap, a strap extending vertically through said openings, one end being secured to one arm and the other end adjustable in the other arm, an inner strap resting within said support and having one
 35 end secured to one arm and to the fixed end of the first named strap, and also having a loop at the other end embracing the other arm of the support, and a buckle pivoted in said loop and adjustably engaging and hold-
 40 ing the first named strap.

3. A bow support, comprising a U-shaped

support having outwardly turned arms provided with vertical openings and also having side recesses to receive the straps, a
 strap having its ends extending through 45 said openings and fixed to one of the arms of the support at one end and vertically adjustable in the opening of the arm at the other end, an inner strap resting in said support and extending upward therein at 50 each end, one end of the inner strap being secured to one arm of the support and also secured to one end of the first named strap, the other end of the inner strap being extended in a loop embracing the other arm of 55 the support and secured thereto, and a buckle pivoted in said loop and adjustably engaging the detachable end of the first named strap.

4. In a vehicle top, the combination with 60 pivoted bows, of a hanger consisting of a rod formed at one end with laterally curved and extended arms and bent intermediate its ends to form an outwardly extending horizontal arm, an upwardly opening stir- 65 rup having slots in its upper ends, a leather lining secured upon the inner surface of the stirrup and provided with a buckle at one end, a strap secured at one end to the stirrup and lining and engaging the buckle 70 at its other end, an ear on the lower side of the stirrup having an opening to receive the horizontal end of the hanger and a set screw to hold the stirrup in position upon the hanger.

In testimony whereof I affix my signature
 in presence of two witnesses.

HALDANE H. CHRISTIE.

Witnesses:

OTTO F. BARTHEL,
 A. M. DORR.