

E. GANOE.

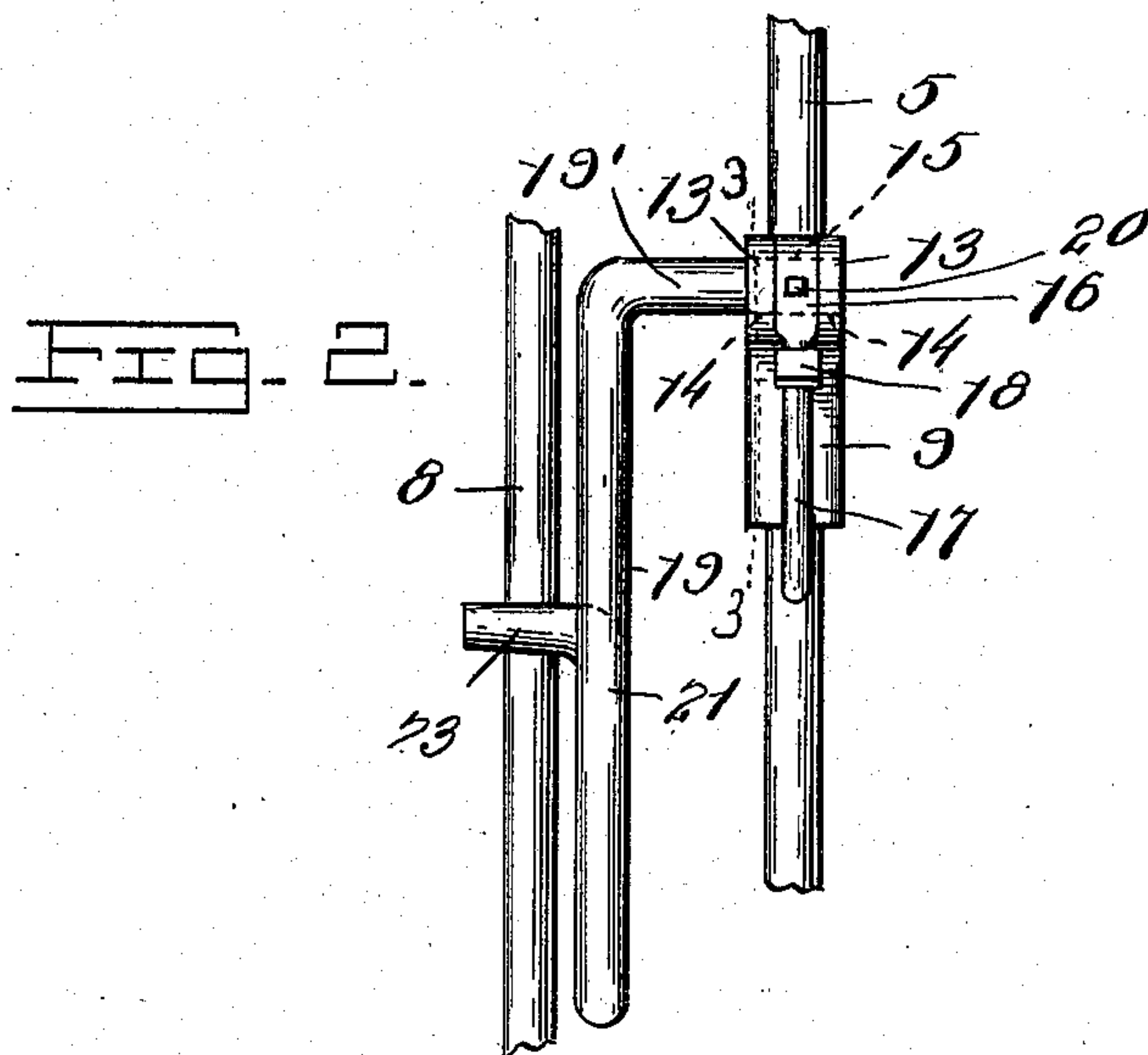
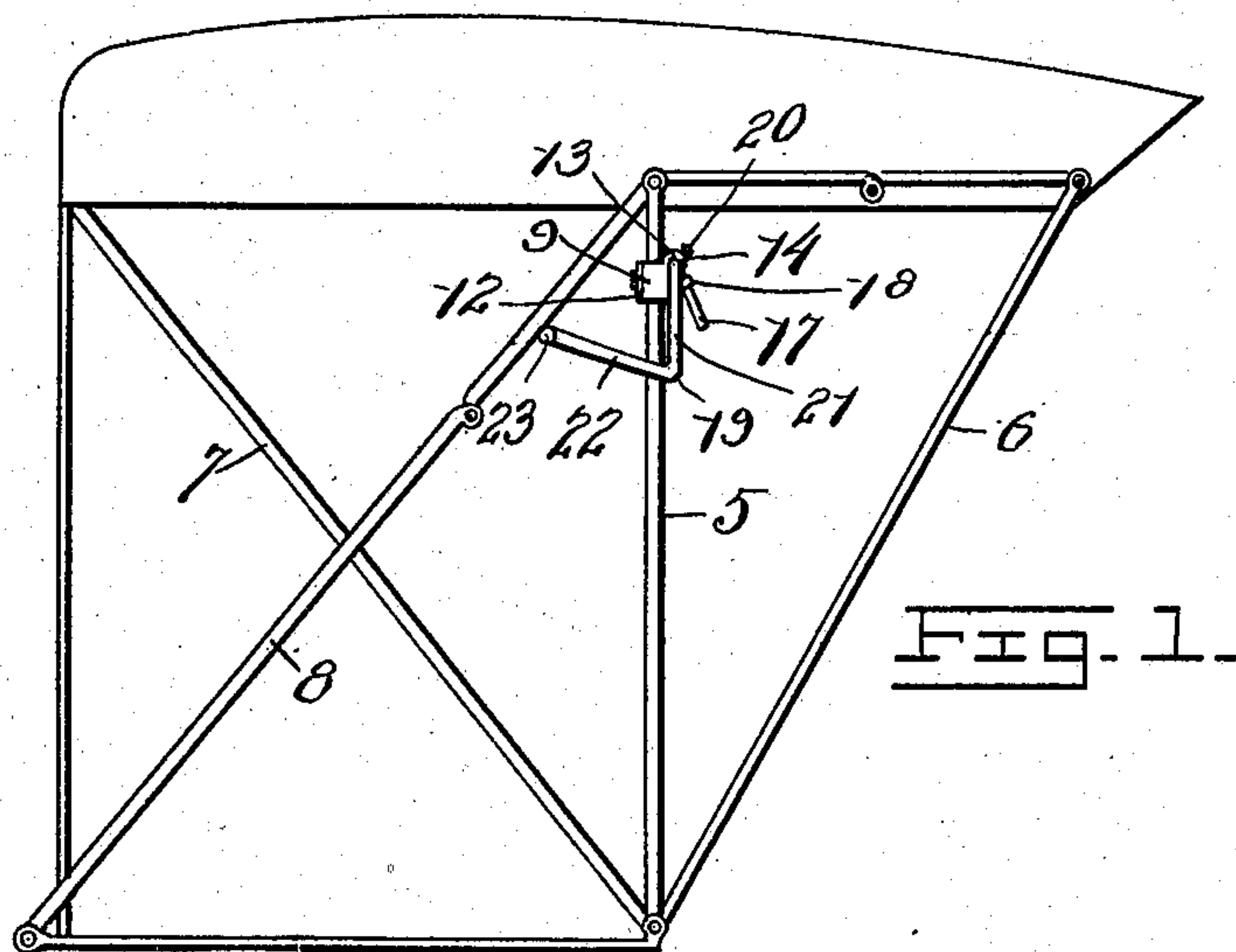
BUGGY TOP ATTACHMENT.

APPLICATION FILED AUG. 11, 1906. RENEWED DEC. 23, 1907.

899,789.

Patented Sept. 29, 1908.

2 SHEETS—SHEET 1.



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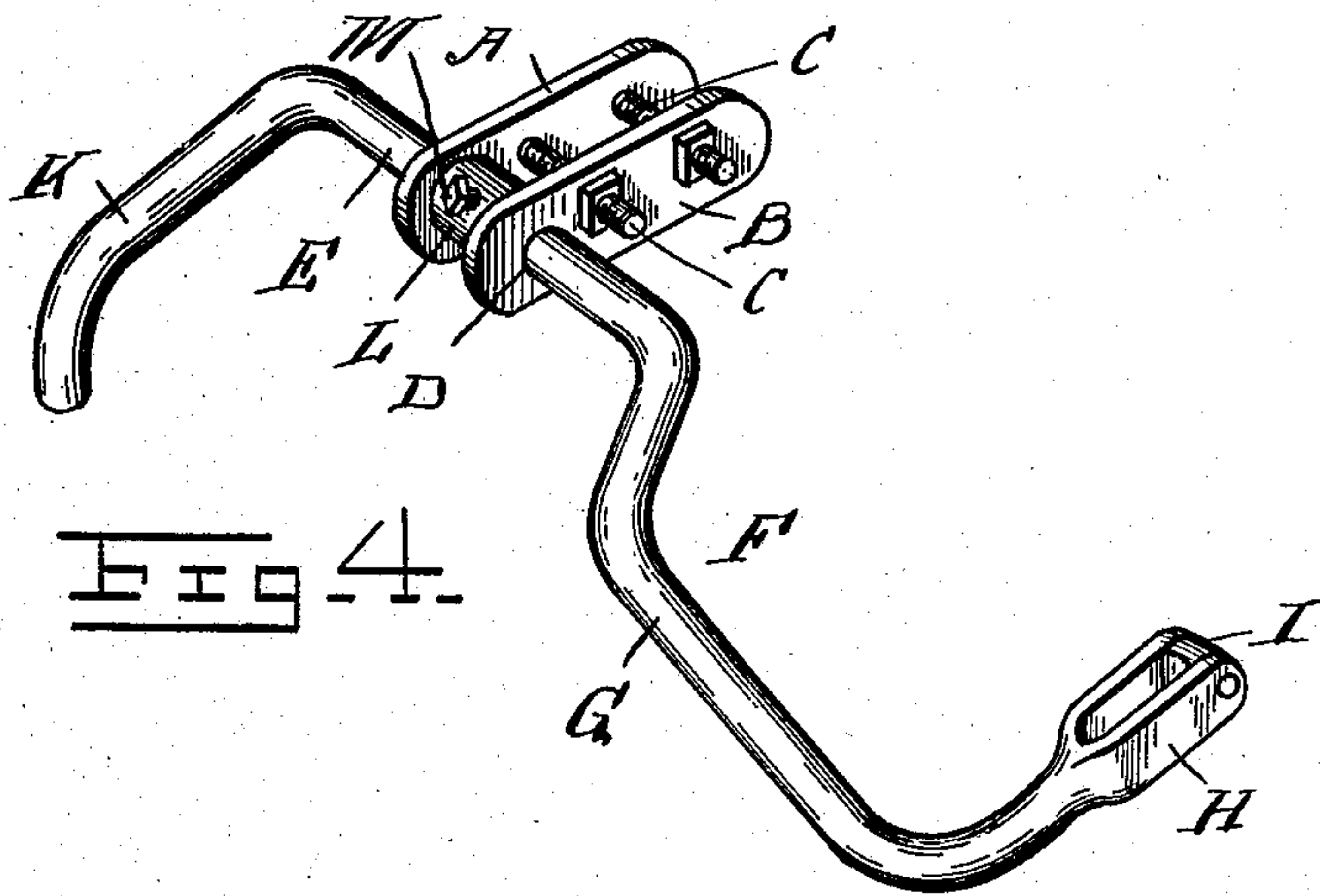
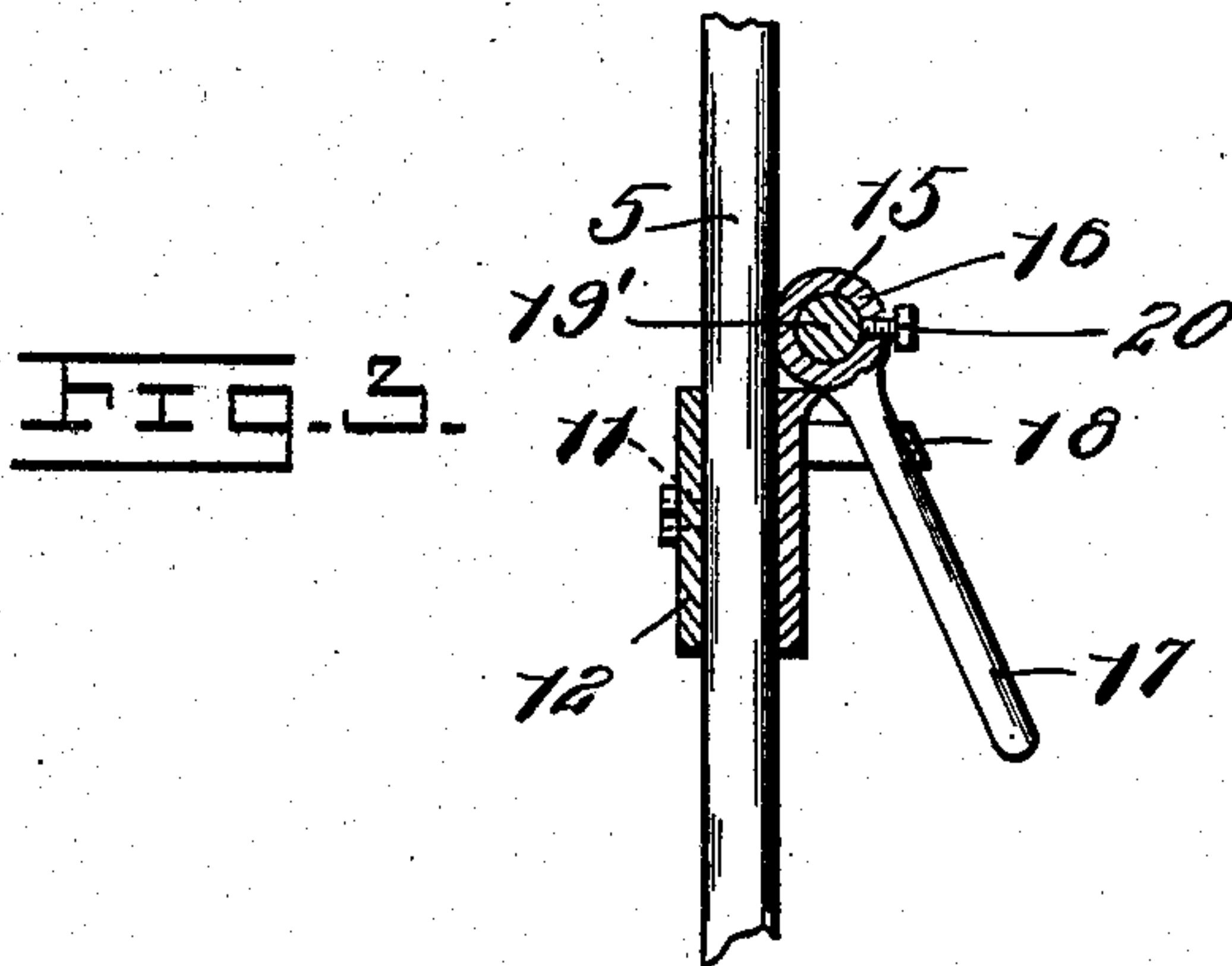
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ELIJAH GANOE, OF SLOAN, IOWA.

BUGGY-TOP ATTACHMENT.

No. 899,789.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed August 11, 1906, Serial No. 330,170. Renewed December 23, 1907. Serial No. 407,715.

To all whom it may concern:

Be it known that I, ELIJAH GANOE, a citizen of the United States, residing at Sloan, in the county of Woodbury, State of Iowa, have
5 invented certain new and useful Improvements in Buggy-Top Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to
10 which it appertains to make and use the same.

This invention relates to buggies and more particularly to attachments therefor, and has for its object to provide an attachment for
15 buggy tops by means of which the brace rods of a top may be broken to permit of lowering the top.

Other objects and advantages will be apparent from the following description, and it
20 is to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

In the drawings forming a portion of this
25 specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevational view of a buggy top provided with the present invention. Fig. 2 is an enlarged front elevation of
30 the attachment, fragments of the central bow and brace rod being shown. Fig. 3 is a vertical section taken on line 3—3 of Fig. 2 longitudinally of the hand lever. Fig. 4 is a perspective view showing a different form of the
35 invention.

Referring now to the drawings, there is shown a buggy top including the usual vertical central bow 5, and oppositely slanted front and rear bows 6 and 7, the top being
40 provided with the usual exterior breakable brace rods 8, the sections of which are movable forwardly into alining position, and rearwardly into broken position.

Two of the attachments embodying the
45 present invention are used in connection with each buggy top, but these attachments are identical, except that they are constructed in the reverse, so that a description of one will suffice for both. Each attachment comprises an attaching yoke 9, the legs of which
50 are engaged at opposite sides of one of the upright side portions of the bow 5, and the legs have rearwardly projecting reduced stems 11 which are engaged through a connecting
5 plate 12, nuts being engaged with the stem

to prevent disengagement of the plate, and the yoke is thus held to the bow.

Upwardly and forwardly extending, laterally spaced eyes 13 are carried by the yoke and have horizontally alining openings 14
60 which register with an opening 15 formed in the head 16 of a hand lever 17, this head being disposed between the eyes with the hand lever extending downwardly and forwardly, and normally in spaced relation to the yoke.
65 for movement toward the yoke, and forward movement of the hand lever is limited by a stop member 18 carried by the yoke and extending across the lever.

An arm 19 has a horizontal portion 19'
70 which is engaged in the openings 14 and 15, and a set screw 20 holds the hand lever 17 against movement upon the horizontal portion of the arm, so that movement of the lever results in rotation of this horizontal
75 portion within the eyes. The arm extends outwardly from the yoke, and beyond its portion 19 is turned downwardly, as shown at 21, and curved at the lower end of this portion inwardly, and is then extended rear-
80 wardly, as shown at 22, and then outwardly at right angles, as shown at 23, this portion 23 resting against the forward face of one of the sections of the brace rod 8 adjacent to the pivotal union thereof. By reason of the
85 fact that the horizontal portion 19' of the arm extends outwardly, the portion 21 of the arm lies in spaced relation to the bow 5, so that an occupant of the buggy may grasp the sides of this bow, his fingers passing between
90 the sides and the portions 21 of the arms of both attachments, and the hands may then grasp the levers 17 also and compress them toward the bow, which will result in pivotal movement of the arms 19 in the eyes, and
95 rearward movement of the portions 23 of these arms, to break the brace rods 8, when continued rearward pull upon the bow 5 will result in folding of the top, as will be readily
100 understood.

In Fig. 4, there is shown a form of the invention in which topping plates A and B are disposed at opposite sides of the depending portion of the central top bow and extend
105 forwardly therebeyond, the plates being secured to the top bow by means of bolts C passed through the plates with the bow therebetween. Alining perforations D are formed in the plates forwardly of the forward
110 bolt, and have passed therethrough the cen-

5 tral portion E of an angular arm F corresponding to the arm 19'. At the outer end of this portion E, the arm F is curved downwardly and rearwardly; as shown at G, and
 10 has a yoke H at its rearward end for the reception of the brace rod 8, a block I being provided to prevent disengagement of the yoke from the brace rod. At the opposite end of the portion E, the rod F is bent at an
 15 angle to form a hand lever K, and between the plates A and B the rod has thereupon a collar L adjustable longitudinally of the portion E, and provided with a set screw M to hold it at different points of its movement.
 20 The operation of this second form of the invention will be clearly understood without detailed description.

What is claimed is:

The combination, with a buggy top in-

cluding a bow and a breakable brace rod, of a 20
 yoke attached to the bow and provided with a pair of spaced bearing eyes; a rod having its ends bent laterally in opposite directions, one of said ends being pivoted in said eyes; 25
 a hand lever having its head fitted in the space between said eyes and secured to the first-mentioned end of the arm, to rock said arm and move its other end into engagement with the brace, to break the same; and 30
 means carried by said yoke and arranged in the path of movement of the lever, for limiting such movement.

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

ELIJAH GANOE.

Witnesses:

J. W. MURPHY,
D. C. HUSKINS.