

(No Model.)

C. S. SCHELLENG.
HANGER FOR BODIES OF BUGGIES.

No. 464,320.

Patented Dec. 1. 1891.

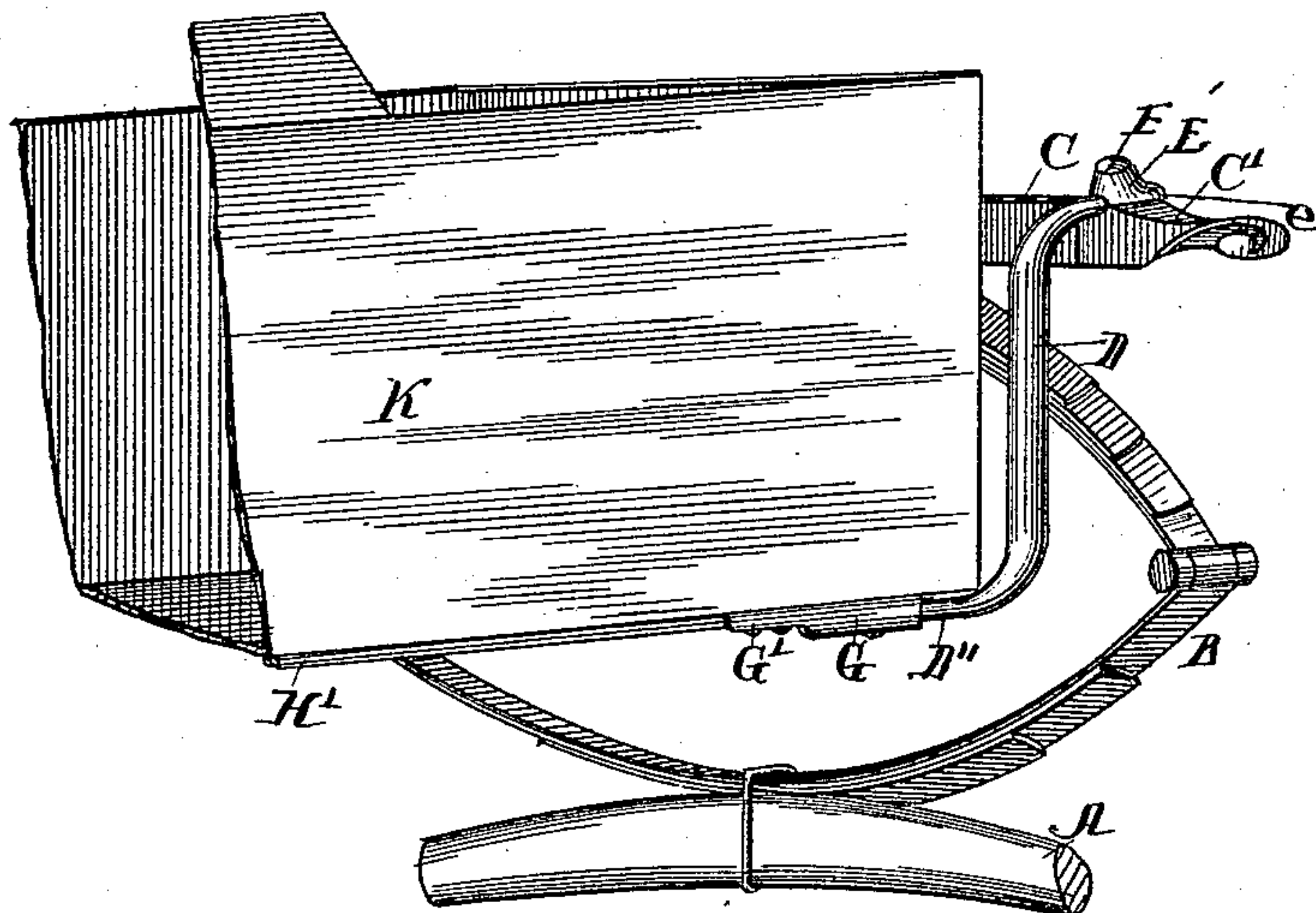


Fig. 1.

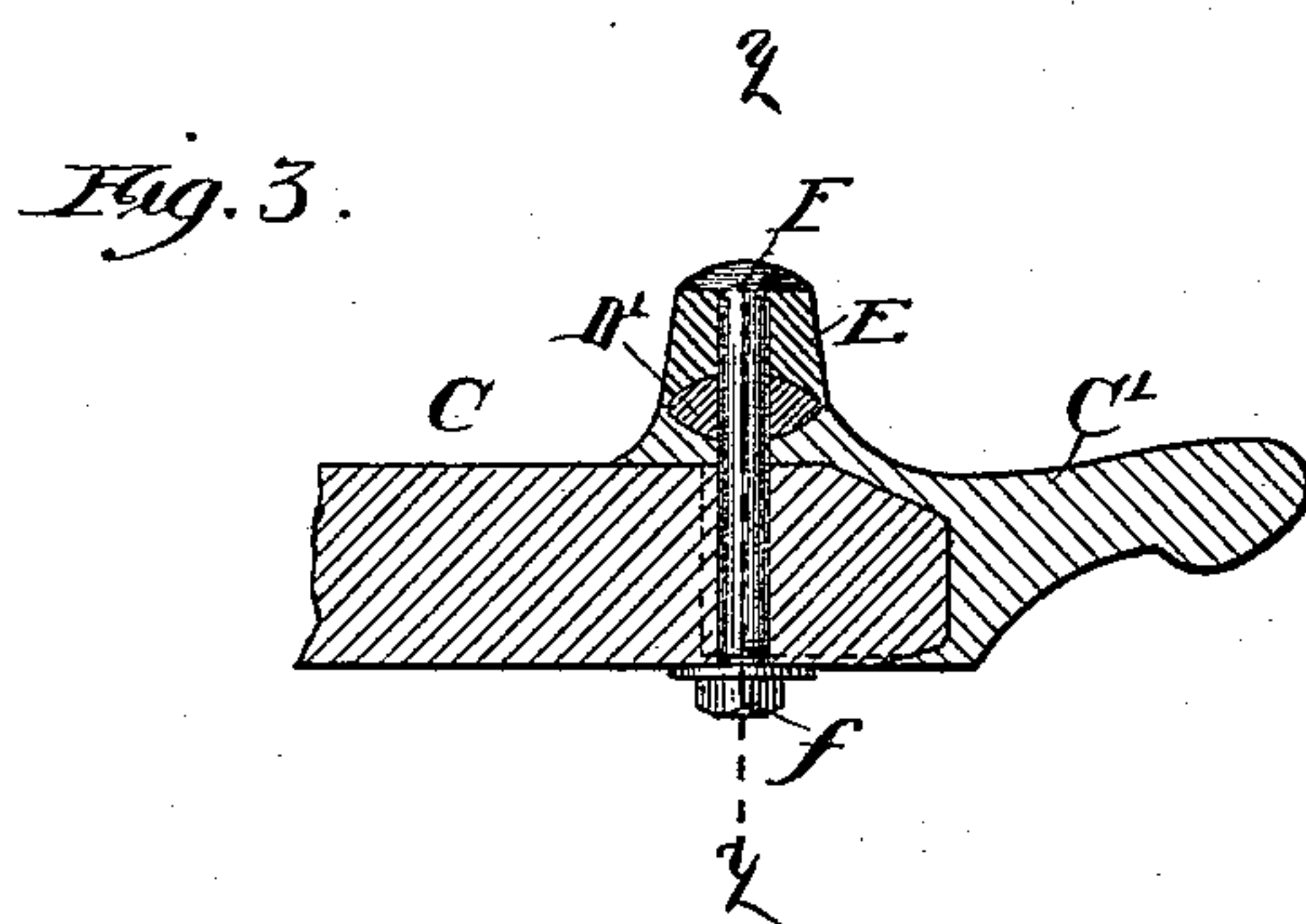


Fig. 3.

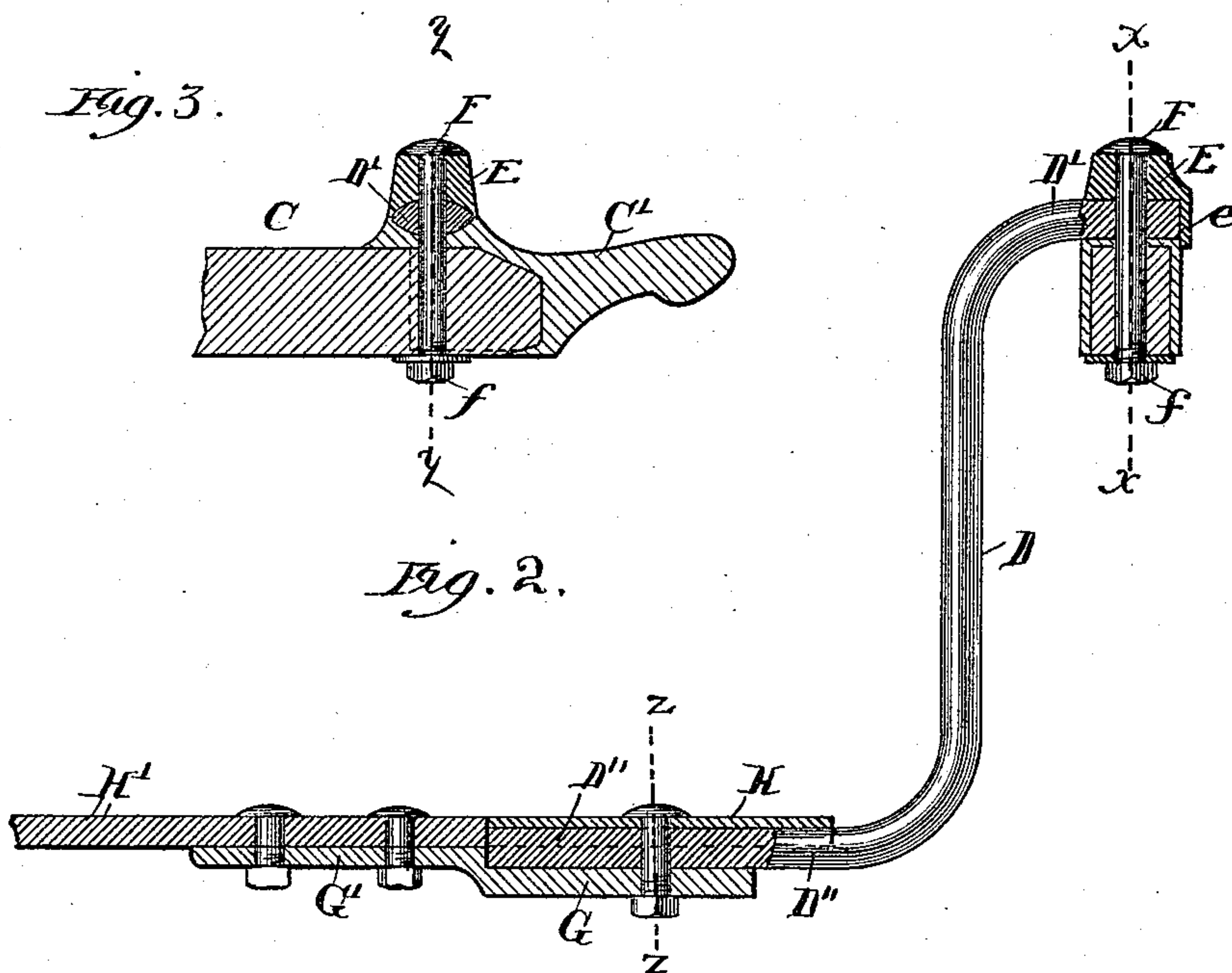


Fig. 2.

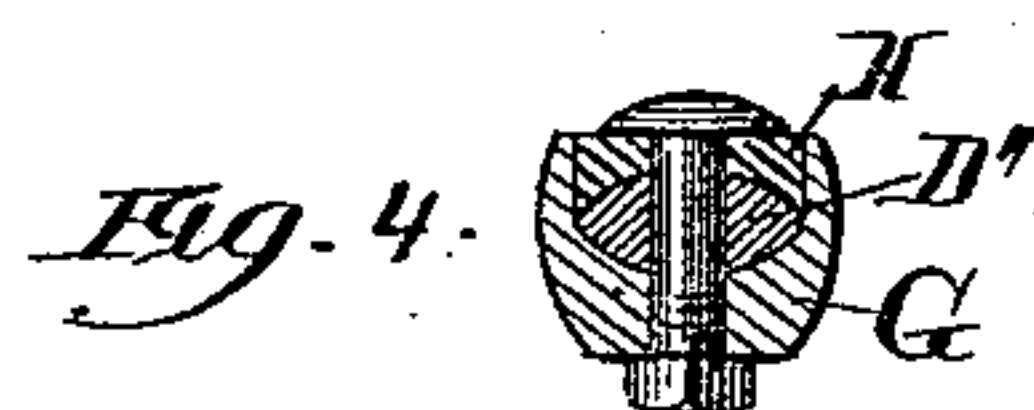


Fig. 4.

Witnesses:

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HANGER FOR BODIES OF BUGGIES.

SPECIFICATION forming part of Letters Patent No. 464,320, dated December 1, 1891.

Application filed August 17, 1891. Serial No. 402,837. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. SCHELLENG, a citizen of the United States of America, residing at Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Hangers for Bodies of End-Spring Buggies, of which the following is a specification.

My invention relates to improvements in hangers for bodies of end-spring buggies, and is fully described and explained in this specification and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of the rear axle, elliptical spring, cross-bar, and body of an end-spring buggy, the body being suspended from the cross-bar by a hanger embodying my invention. Fig. 2 is a view of the hanger, partly in side elevation and partly in vertical section, the plane of section being through the line *y y*, Fig. 3. Fig. 3 is a longitudinal vertical section of a part of the cross-bar and the parts immediately connected therewith, the plane of section being through the line *x x*, Fig. 2. Fig. 4 is a transverse section of a portion of the hanger through the line *z z*, Fig. 2.

In the views, A is the rear axle of a buggy; B, an elliptical spring of ordinary form resting thereon, and C a cross-bar resting on the spring and preferably provided at each of its ends with a metal tip C' of suitable exterior design and of such internal form as to fit closely upon the cross-bar. From each end of the cross-bar C is suspended a hanger D, preferably of oval iron, and bent at its ends to form approximately horizontal extensions D' D². The end of the upper extension D' rests in and conforms to a transverse groove or bed in the upper surface of the tip C', and a cap E, having in its lower face a groove or bed conforming to the upper surface of the iron D', rests upon the iron and is held in place by a bolt F, passing through the cap E, the extension D', the tip C', and the cross-bar C, this bolt being provided at its upper end with a suitable head and at its lower end with a nut *f*. The cap E is formed with a downwardly-extending flange *e*, which covers the end of the iron D', making a smooth and substantially water-tight finish. The lower extension D² of the hanger D rests in a plate

G and is covered by a plate H, the two plates G H being formed with grooves or recesses in their inner faces, which conform to the upper and lower faces of the oval iron of the hanger, and the two plates and the hanger being bound together by a bolt which passes through them all, as shown in Fig. 2. The plate G is formed with an extension G', which receives and supports the end of a bar H', as illustrated in Fig. 2, the body K of the buggy being fastened to and supported by the bar H' and the extension D² of the hanger.

By the use of the devices for receiving and securing the ends of the hanger D it is practicable to form this hanger from a bar of ordinary oval iron bent into shape without any forging or welding whatever, and when the parts are in place and bolted together, as shown, they are as firmly and securely fastened as they could be by the use of more expensive means.

As shown in the drawings, the bar H' is of rectangular cross-section, whereas the plate H has its lower face concave to fit the iron D². It is evident, however, that the two parts H H' may, if desired, be formed in a single piece, having throughout its entire length the cross-section of the bar H, as shown in Fig. 4.

It is of course understood that the hanger illustrated in the partial perspective of Fig. 1 is only one of four similar hangers, by means of which the body is suspended.

While I prefer to construct the various parts of my device in the manner shown in the drawings, the forms of certain of these parts may be modified, or, if desired, certain of the parts may be combined in a single piece. So long as the cap E and the plates G and H are made separate from the hanger D they should have such shapes as to conform substantially to the surface of the hanger; but either the cap E or one or both of the plates G H may be formed integrally with the hanger by casting the hanger and the parts attached to it of malleable iron or steel or other suitable material.

Having now described and explained my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the class described, the combination, with the cross-bar C, of the hanger D, formed with the horizontal exten-

sion D', resting in a bed formed in the cross-bar, the cap E, resting on the extension D', and the bolt F, passing through said parts and binding them together, said hanger and
5 extension being formed of a bar of uniform cross-section throughout, substantially as shown and described.

2. The combination, with the cross-bar C and the tip C', inclosing the end of the cross-
10 bar, of the hanger D, having the extension D', resting in a suitable bed in the upper surface of the tip, the cap E, resting on the extension D' and formed with a lip e, covering the end of the extension, and the bolt F,
15 passing through and connecting the cap, the end of the hanger, the tip, and the cross-bar, said hanger and extension being formed of a single bar of uniform cross-section throughout its entire length, substantially as shown
20 and described.

3. The combination, with the cross-bar, of the hanger D, formed with the extensions D' D², the plates G H, conforming to the upper and lower faces of the extension D², and the bolt passing through and connecting the
25 plates G H and the extension D², the extension D' of the hanger being secured to the cross-bar, substantially as shown and described.

4. The combination, with the hanger D, 30 having the extension D², of the plates G H, conforming to the upper and lower faces of the extension, and the bar H', supported by the plate G, substantially as shown and described.

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Witnesses:

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