No. 846,782. PATENTED MAR. 12, 1907.

C. G. COOK.

MEANS FOR DETACHING BUGGY TOPS.

APPLICATION FILED OCT. 20, 1906.

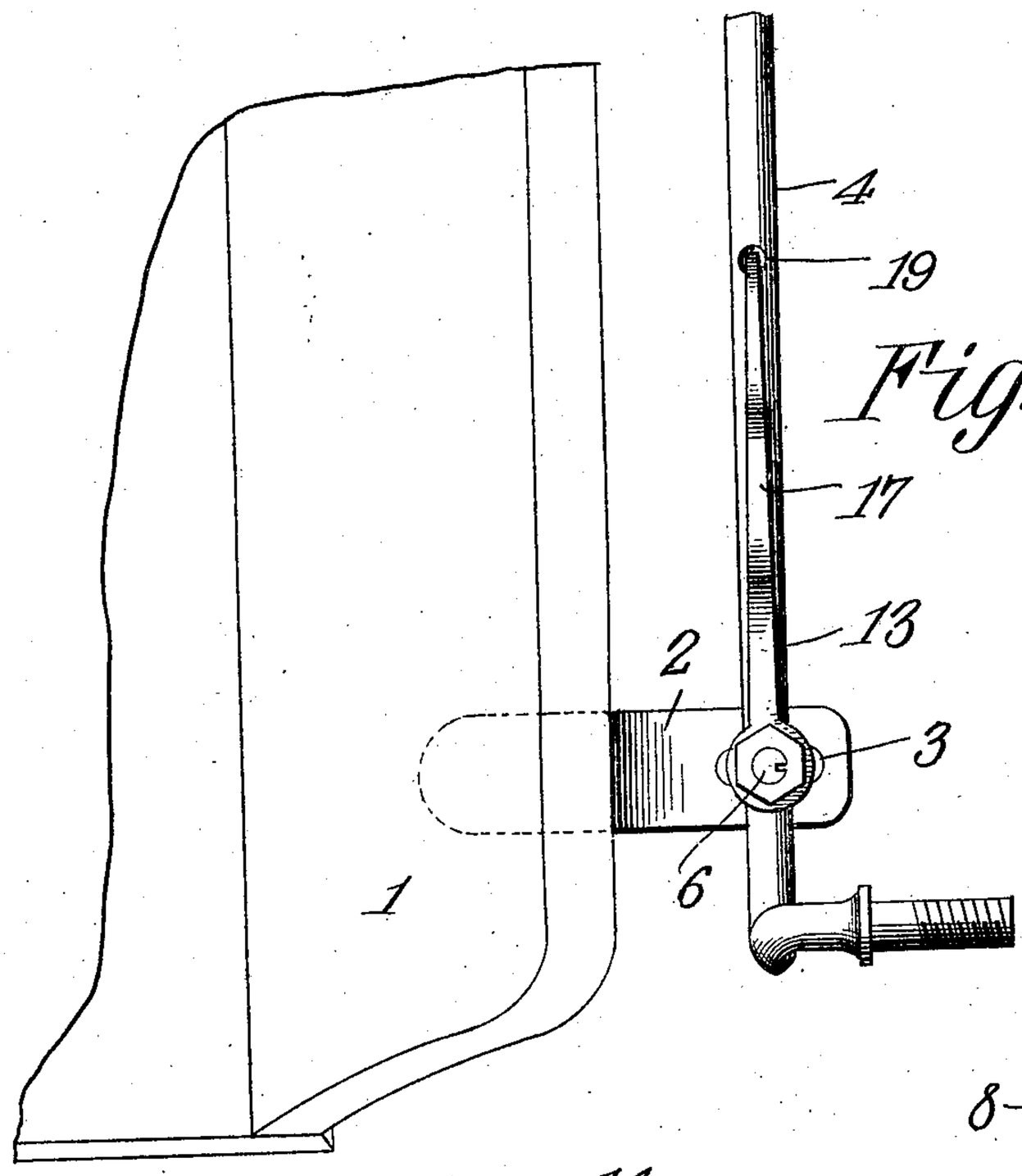

Fig. 1.

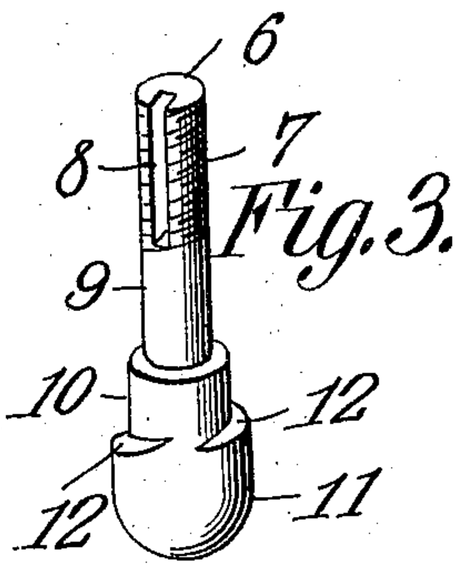

Fig. 3.

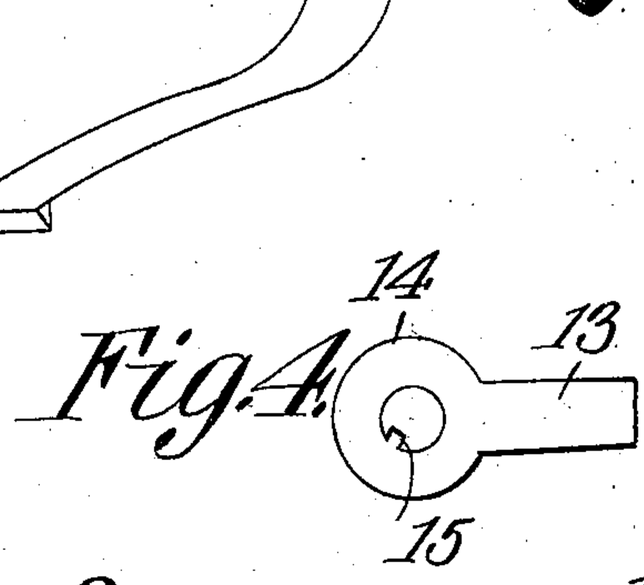

Fig. 4.

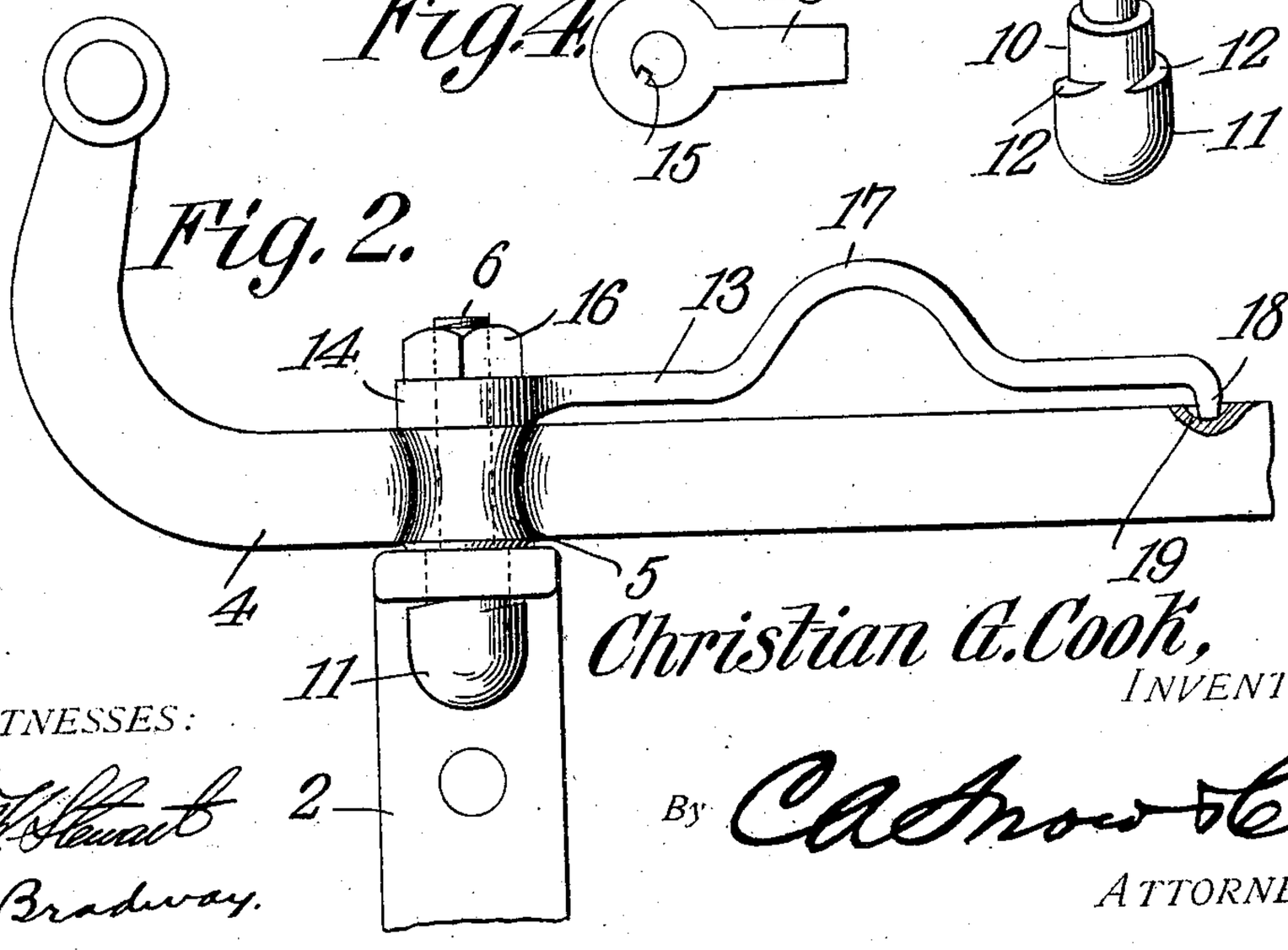

Fig. 2.

WITNESSES:

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CHRISTIAN G. COOK, OF FOSTORIA, OHIO.

MEANS FOR DETACHING BUGGY-TOPS.

No. 846,782. Specification of Letters Patent. Patented March 12, 1907.

Application filed October 20, 1906. Serial No. 339,844.

To all whom it may concern:

Be it known that I, CHRISTIAN G. COOK, a citizen of the United States, residing at Fostoria, in the county of Seneca and State of Ohio, have invented a new and useful Means for Detaching Buggy-Tops, of which the following is a specification.

This invention has relation to means for detaching buggy-tops from the seats; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a means of the character indicated which is simple in construction and is so formed and arranged as to be proof against rattling, and at the same time it may be easily and readily operated and will positively retain the buggy-top in position when so desired.

In the accompanying drawing, Figure 1 is a top plan view of the means. Fig. 2 is a side elevation of the same. Fig. 3 is a perspective view of a pintle used in the means, and Fig. 4 is a plan view of the inner end of a spring-lever used in the means.

The seat 1 is provided with the irons 2, each of which is provided with an elliptical perforation 3. The top rail 4 rests upon the iron 2 and is provided with the vertically-disposed bearing 5. The pintle 6 is provided with the threaded ends 7, having the groove 8 extending longitudinally thereof. The said pintle is also provided with the smooth cylindrical portion 9, which is arranged concentrically with relation to the smooth cylindrical portion 10 of greater diameter. The portion 10 merges into the head 11, which is elliptical in cross-section and which is separated from the portion 10 by the spirally-disposed shoulders 12, arranged at opposite sides of the head. The smooth portion 9 of the said pintle is journaled in the bearing 5 of the rail 4. The spring-lever 13 is provided with the perforated head 14, the edge of the perforation of which is provided with a tongue 15, which enters the groove 8 of the pintle 6. The said lever 13 operates above the rail 4, and the head 14 bears directly against the upper end of the bearing 5, while the end of the cylindrical portion 10 bears directly against the lower end of the bearing 5. The parts are held in such position by the nut 16, which engages the threaded portion 7 of the said pintle.

The lever 13 is provided at a point intermediate of its ends with the upward bow or arch 17, and the free end of the said lever is bent down, as at 18, and is adapted to enter a detent 19, provided in the upper edge of the rail 4. It will thus be seen that the pintle 6 is fixed with relation to the lever 13 and that the long diameter of the head 11 is in alinement with the longitudinal axis of the said lever. The long diameter of the perforation 3 in the iron 2 extends at right angles to the side of the seat 1. The short diameter of the perforation 3 is slightly greater than the diameter of the portion 10 of the pintle 6, but is considerably less than the long diameter of the head 11. When the lever 13 is turned at right angles to the rail 4, the head 11 may be passed down through the perforation 3, and then when the lever 13 is swung over the upper edge of the rail 4 the spirally-disposed shoulders will engage the under side of the iron 2 and draw the parts into close contact. At the same time the long diameter of the head 11 will be disposed at right angles to the long diameter of the perforation 3, and the parts are securely connected together. By lifting the free end of the lever 13 and inserting the bent portion 18 thereof in the detent 19 the said lever is retained against lateral swing and is held in position until the free end thereof is lifted out of the detent 19. The bowed or arched portion 17 is provided in the said lever for lifting the free end thereof.

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

In combination with an iron having an elongated perforation, a rail having a bearing which rests upon the upper surface of the iron, a pintle journaled in said bearing and having a head which is elliptical in cross-section, said pintle also having an enlarged cylindrical portion adjoining the head and which is separated from the same by shoulders, said head adapted to pass through said iron perforation, means for turning the pintle, said enlarged cylindrical portion adapted to rotate and lie within the iron perforation.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHRISTIAN G. COOK.

Witnesses:

FRANK E. BLASER,

GEO. C. JENNEY.