

(No Model.)

A. F. SARGENT.  
TWO WHEELED VEHICLE.

No. 273,610.

Patented Mar. 6, 1883.

Fig. 1.

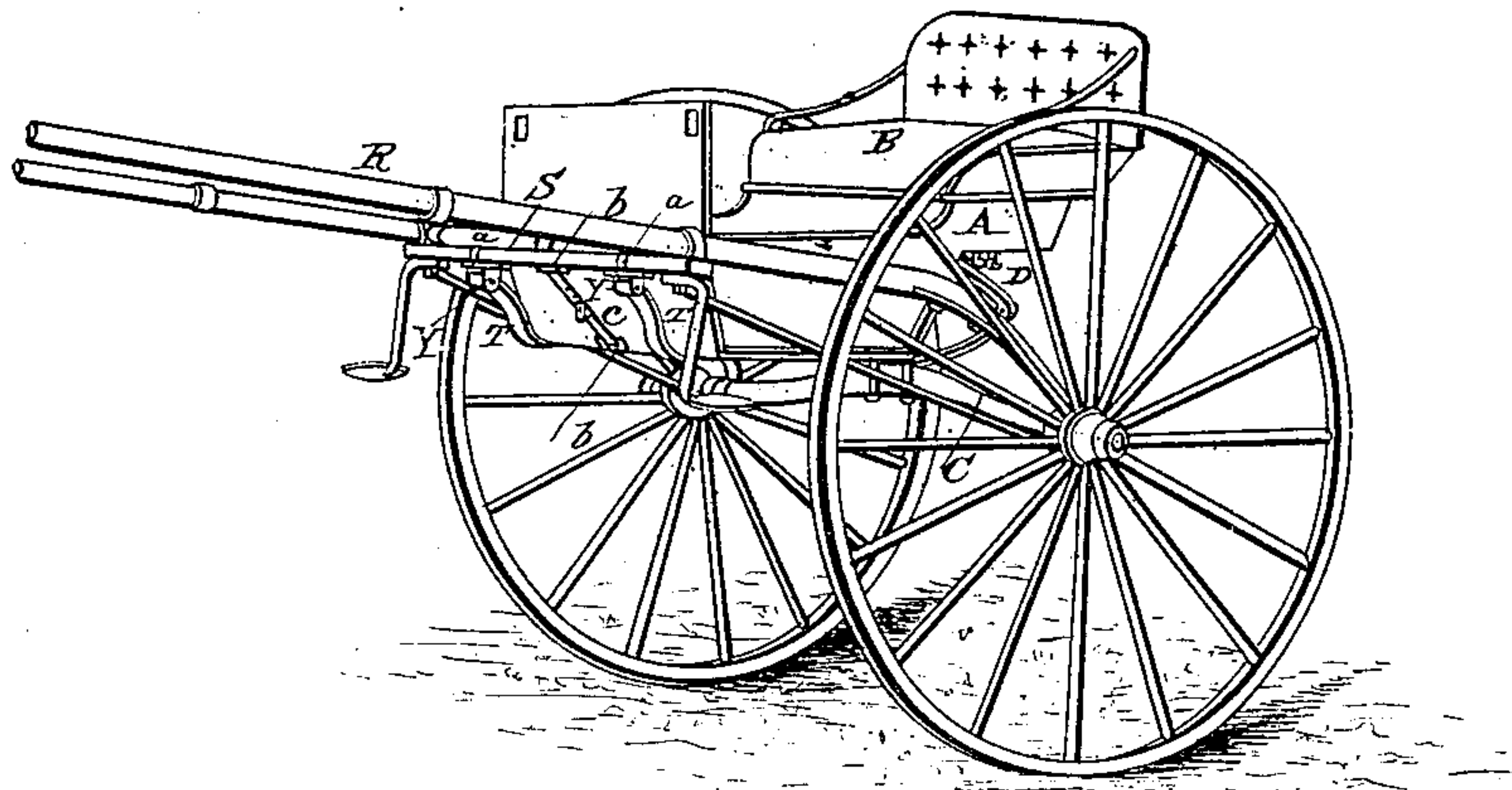


Fig. 2.

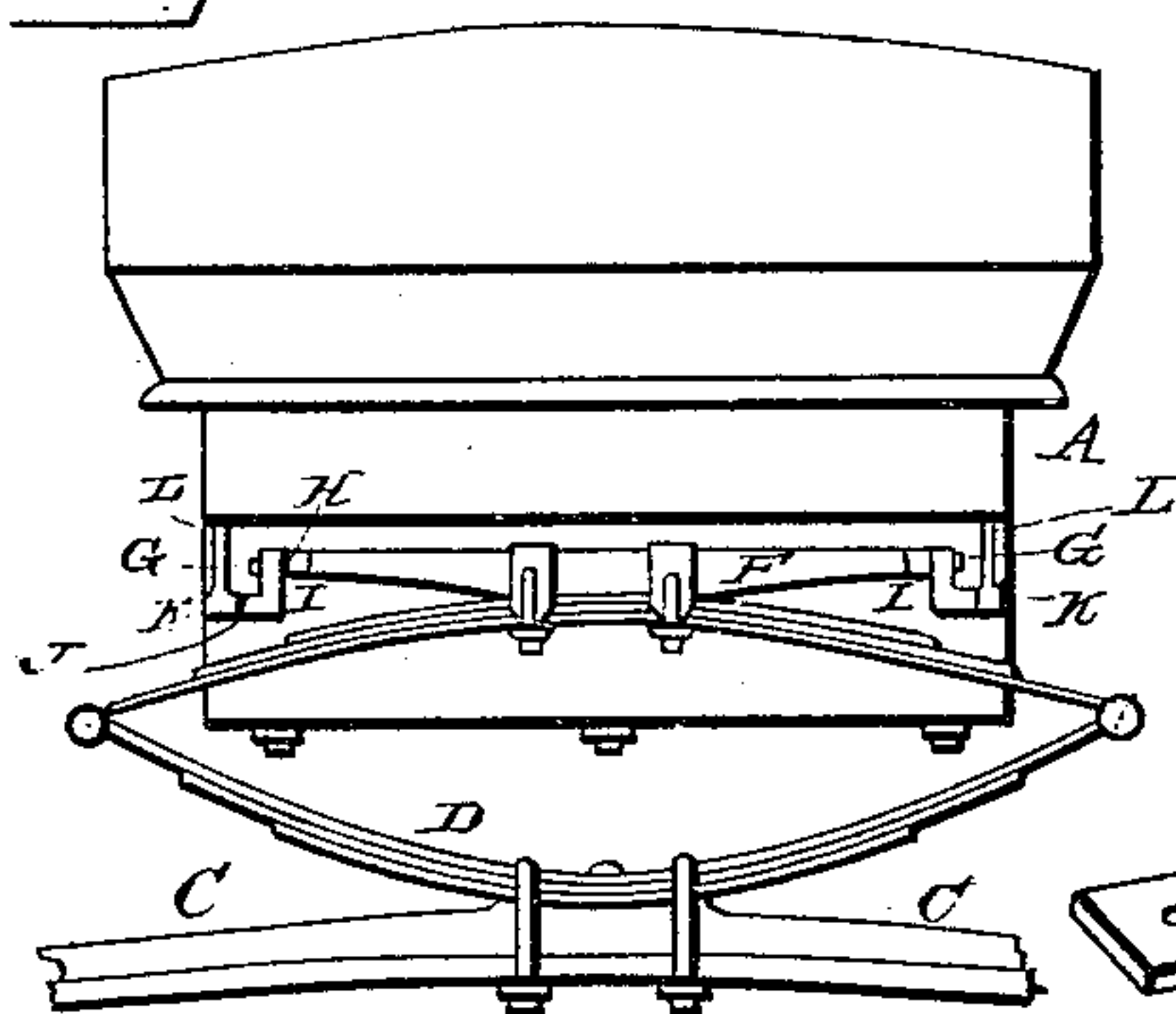


Fig. 3.

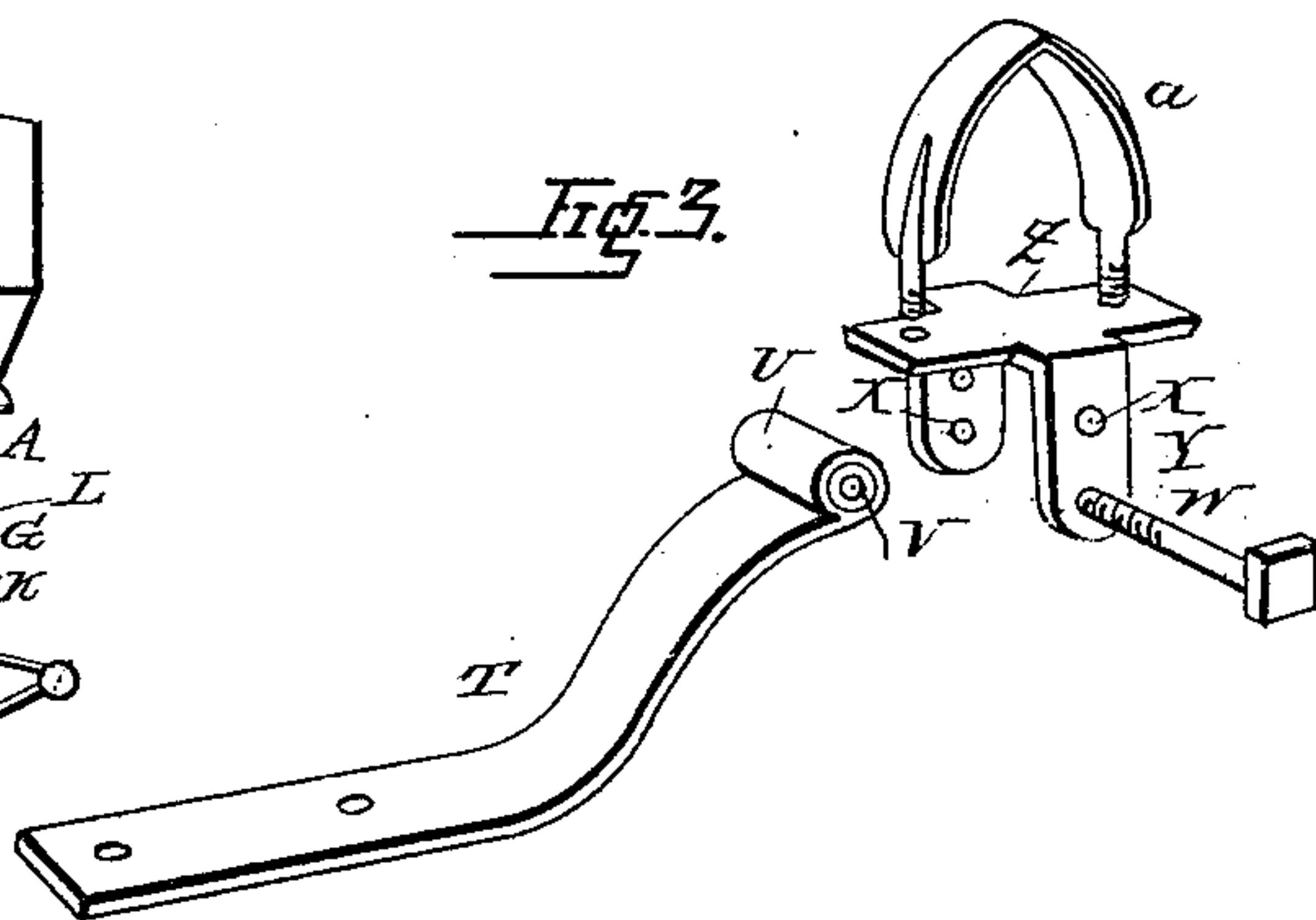


Fig. 4.

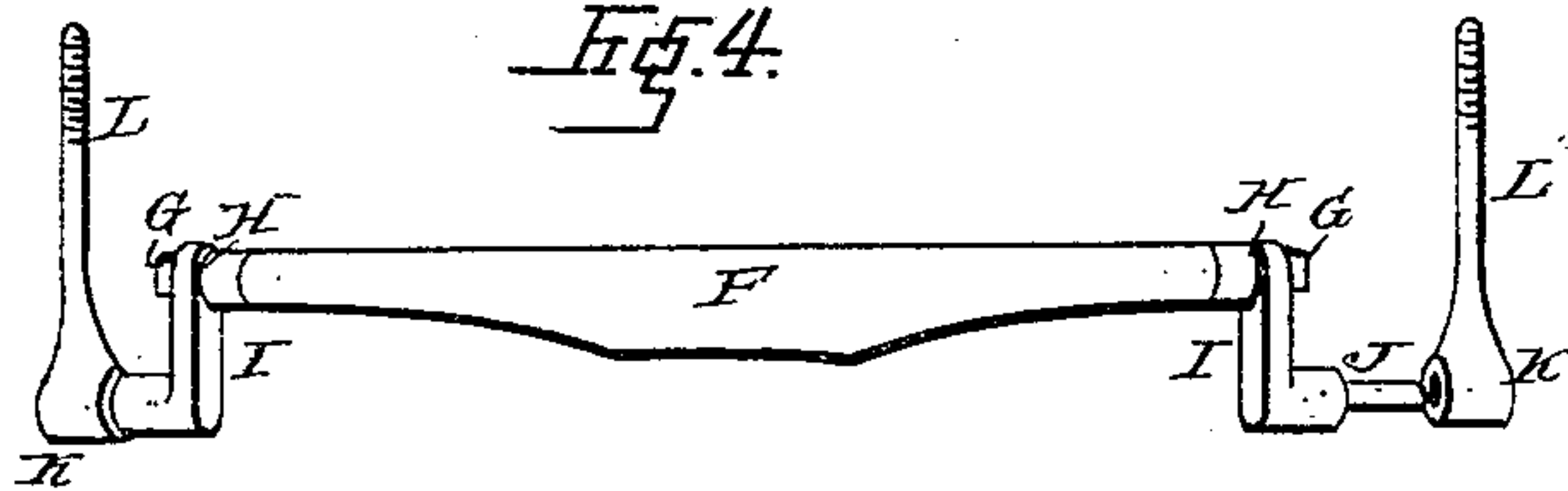
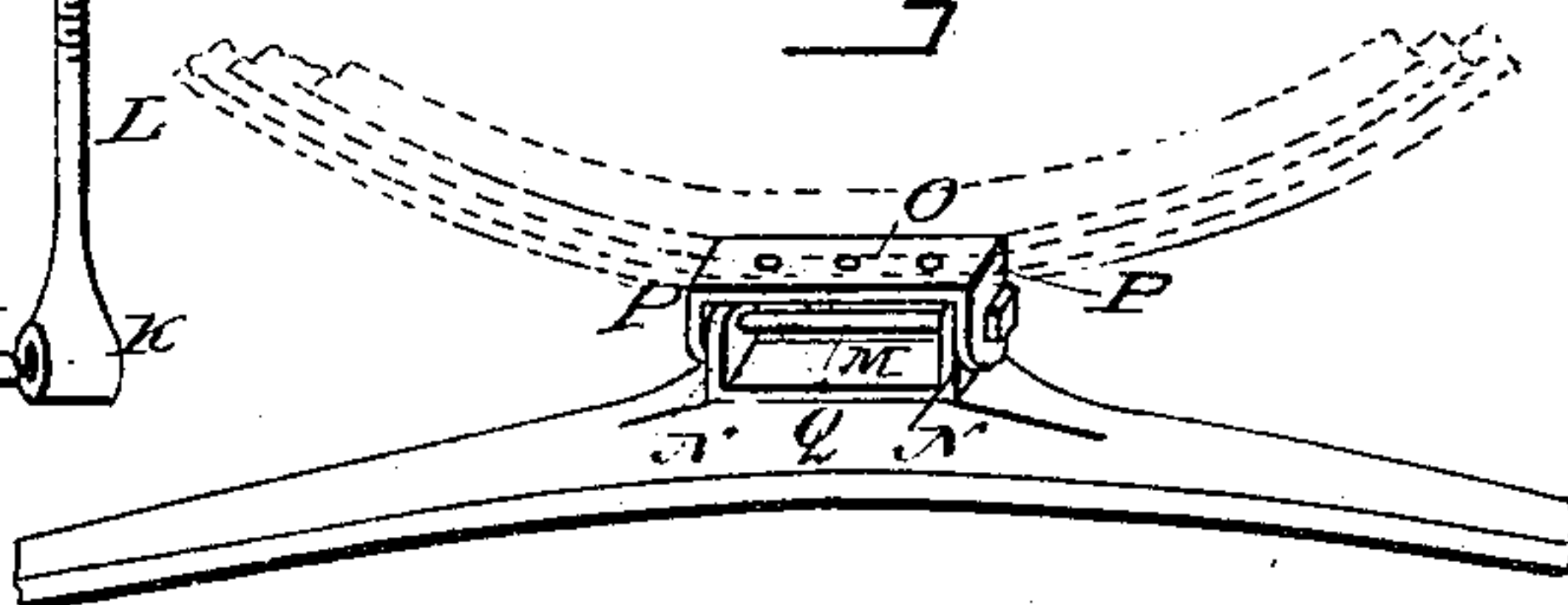


Fig. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ADELBERT F. SARGENT, OF GENESEO, ILLINOIS.

## TWO-WHEELED VEHICLE.

SPECIFICATION forming part of Letters Patent No. 273,610, dated March 6, 1883.

Application filed January 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ADELBERT F. SARGENT, of Geneseo, in the county of Henry and State of Illinois, have invented certain new and useful Improvements in Two-Wheeled Phaetons; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved two-wheeled phaeton. Fig. 2 is a rear view of the same, and Figs. 3, 4, and 5 are detail views of the same.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to two-wheeled vehicles; and it consists in the improved construction, combination, and arrangement of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the body of a phaeton, the seat B of which is hung over the axle C, upon which the elliptic spring D is fastened. A bar, F, is fastened to the upper part of the spring, and is provided with two screws, G, one in each end, upon the smooth part H of which, near the head, swing cranks I, the pins J of which turn in eyes K of supports L, which are screwed into the under side of the seat. By this device the body is allowed sufficient swing to overcome the rocking motion imparted through the shafts from the horse.

A modification of this device is shown in Fig. 5, and consists in a plate, M, fastened upon the axle, and having two projections, N N, one at each end. A similarly-shaped plate, O, is fastened to the under side of the elliptic spring, and has lips or projections P, which fit outside the projections N and are hinged to them by bolts Q. The shafts R are curved at their inner ends and fastened to the axle-tree, and connected by a cross-bar, S, in front of the body. The body is supported in front by two irregularly-curved or nearly S-shaped springs, T, which are bolted to the

under side of the body, pointing forward, and bent to form cylindrical eyes U in their forward ends, lined with tubes V, of leather, rubber, or other yielding material, through which two bolts, W, pass. These bolts are fastened in eyes X in two downward-projecting lips, Y, straddling the ends of the springs, and projecting from plates Z, which are fastened to the cross-bar S by means of clips *a*. Two slotted plates, *b b*, are fastened, one upon the front edge of the bottom of the body and one upon the center of the cross-bar, and have a strap, *c*, buckled loosely through both of them, serving as an extra precaution in case a front spring or any part of it should break.

By the construction of this vehicle the full weight of the persons riding in it rests upon the elliptic spring, the forward springs serving to balance the vehicle only and prevent side motion.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a two-wheeled vehicle, the combination of the axle C, the elliptic spring D, bar F, secured upon said spring, and having bolts G, swinging cranks I, eyed seat-supports L, and body A, as and for the purpose shown and set forth.

2. In a two-wheeled vehicle, the combination of the body A, axle C, elliptic spring D, shafts R, having cross-bar S, bar F, screw-bolts G, swinging cranks I, eyed screw supports L, curved front springs, T, having eyes U, elastic tubes V, bolts W, shackles Z, having perforated downward projections Y, and fastened to the cross-bar by means of clips *a*, slotted plates *b*, fastened to the cross-bar and front of the body, and safety-strap *c*, all constructed and combined to operate substantially as shown and set forth.

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

ADELBERT FOSS SARGENT.

Witnesses:

JAMES M. HOSFORD,  
ALEXANDER WHITE.