No. 889,220. PATENTED JUNE 2, 1908.

J. C. GAY.

TROLLEY POLE.

APPLICATION FILED OCT. 21, 1907.

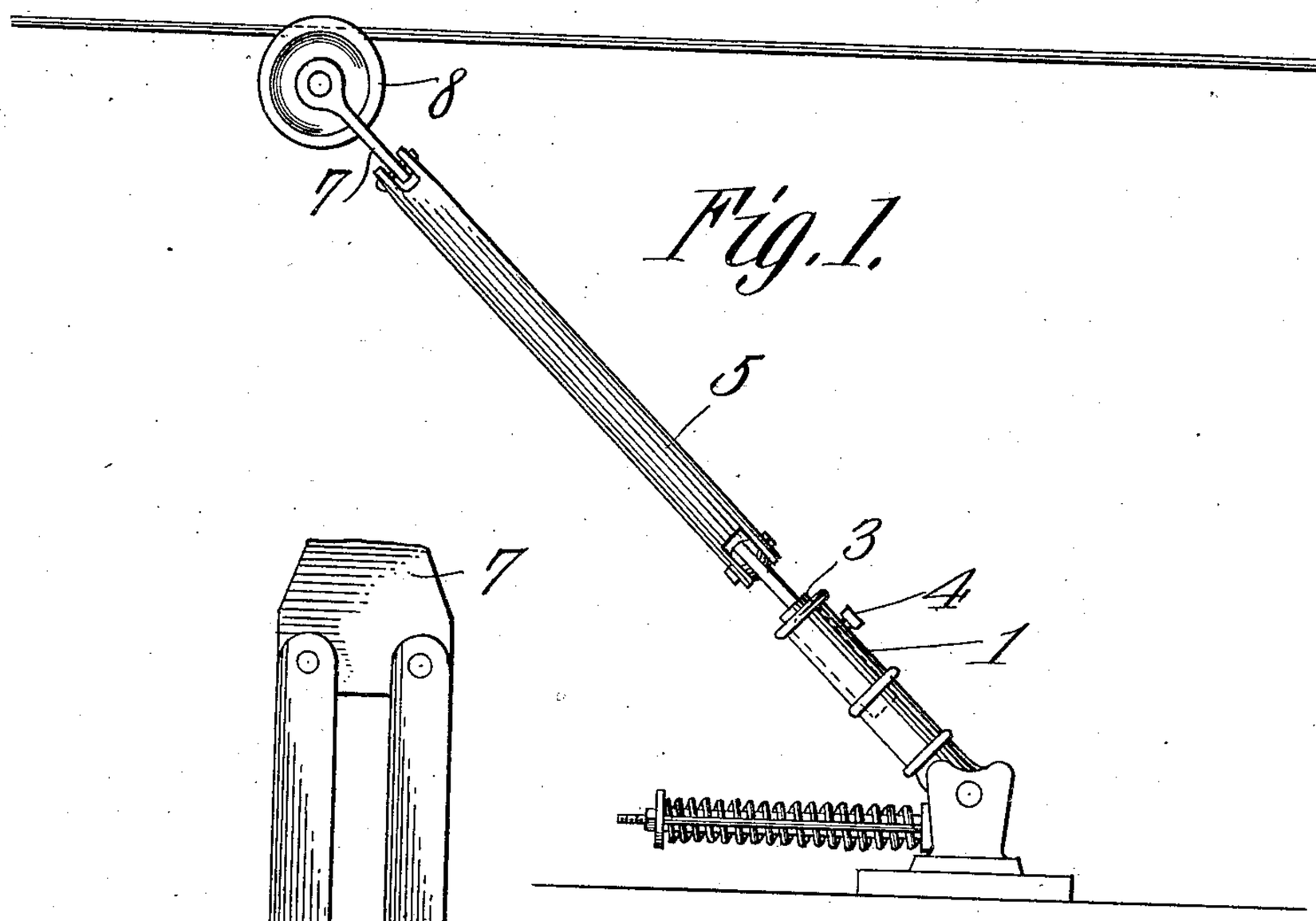

Fig. 1.

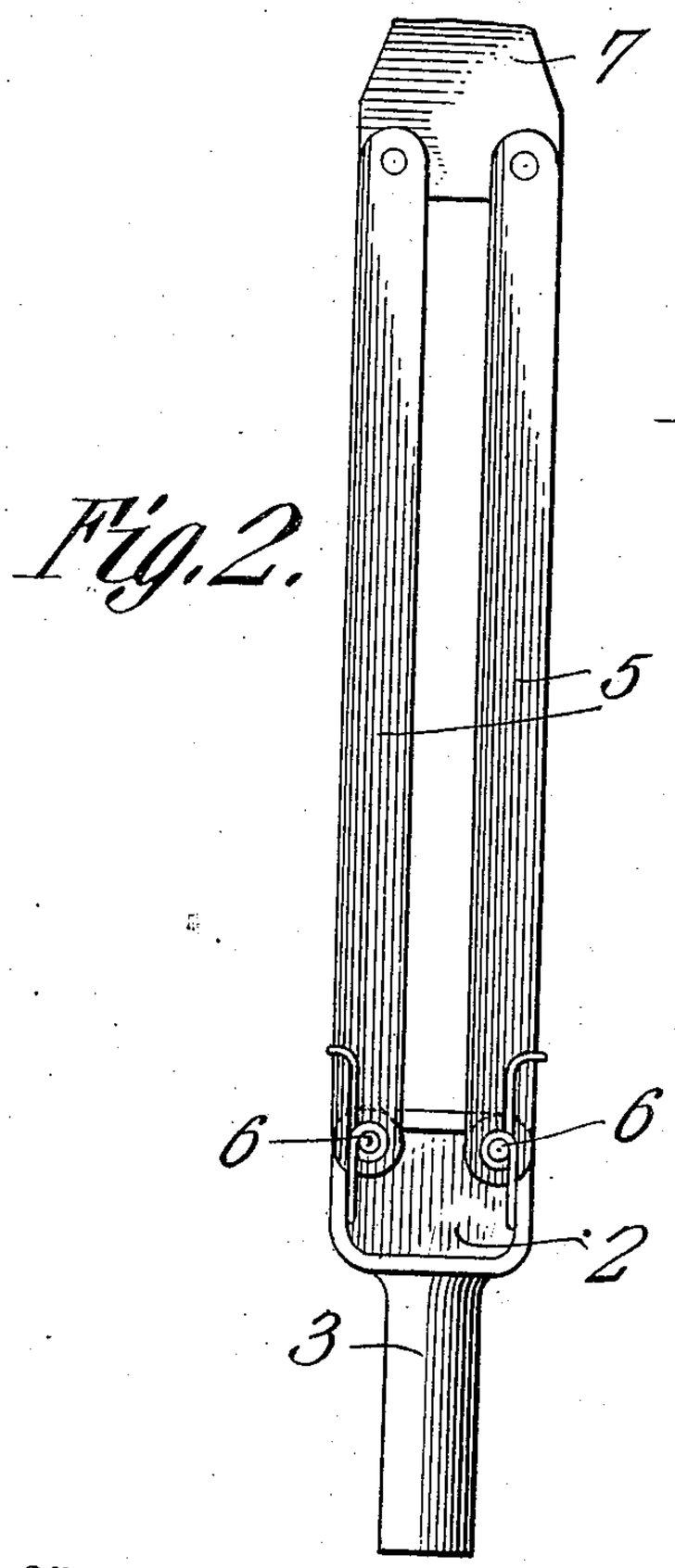

Fig. 2.

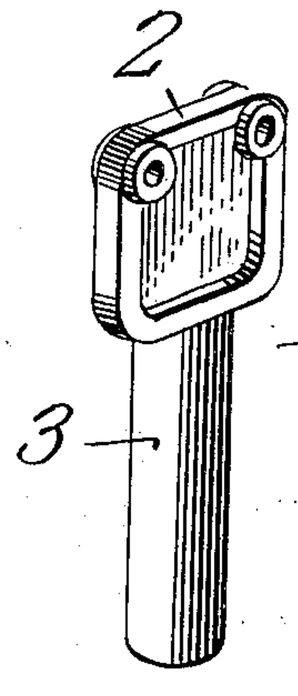

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN C. GAY, OF JORDANVILLE, NEW YORK.

TROLLEY-POLE.

No. 889,220. Specification of Letters Patent. Patented June 2, 1908.

Application filed October 21, 1907. Serial No. 398,494.

To all whom it may concern:

Be it known that I, JOHN C. GAY, a citizen of the United States, residing at Jordanville, in the county of Herkimer and State of New York, have invented a new and useful Trolley-Pole, of which the following is a specification.

This invention has relation to trolley poles 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 trolley pole with a harp so mounted that the trolley wheel will always lie in a vertical plane under the current wire even should the said wire lie to one side or the other of the center of the pole.

To accomplish the above purpose a simple and novel construction is employed as will herein after appear.

Figure 1 is a side elevation of the trolley pole. Fig. 2 is a front elevation of the same, and, Fig. 3 is a perspective view of the lower part of the trolley pole.

The trolley pole is adapted to be applied to the usual socket 1 employed for receiving such poles. The pole consists of the plate 2 which is provided at one end with a stud 3 which is slipped longitudinally in the socket 1 and is held therein against rotation by a set screw 4. The binary poles 5 are pivotally connected at their lower ends to the plate 2 and are adapted to swing in planes parallel with the plane occupied by the said plate. The poles 5 are actuated by the springs 6 which are under tension with a tendency to hold the said poles in erect positions, although the poles may swing to one side or the other against the tension of the said spring. The harp 7 is pivotally connected to the upper ends of the poles 5 so that the said poles are held in parallel relation. The trolley wheel 8 is journaled for rotation in the harp 7 and as the poles 5 swing at their upper ends to one side or the other the harp 7 will be correspondingly moved, but the trolley wheel 8 will always occupy a vertical plane under the current wire. It will thus be seen that a trolley pole of simple construction is provided which may be readily applied to the pole socket of a car and which will carry the trolley wheel on the current wire directly under the same so that the tendency of the wheel to jump the wire is reduced to a minimum and good electrical contact between the trolley wheel and the wire is maintained, even should the middle of the pole move to one side or the other under the current wire.

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

A trolley pole comprising a plate having a stud for engagement with a pole socket, spaced parallel poles pivotally connected to said plate, springs having contact with the plate and passing around the pole pivots and bearing against the outer edges of the poles and leaving the space between the poles unobstructed for the lateral movement of the same, said springs being under tension to hold the poles in erect position, a harp pivotally connected to the upper ends of the poles and a trolley wheel journaled for rotation in the harp.

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

JOHN C. GAY.

Witnesses:
GEO. W. BELSHAW,
MILLARD F. WOOD.