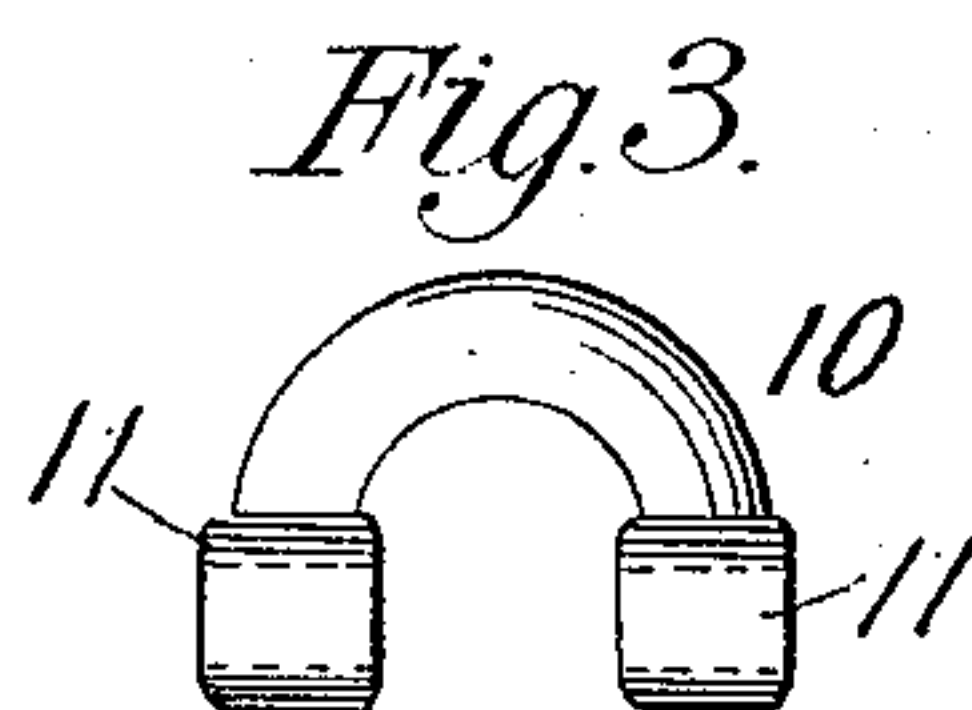
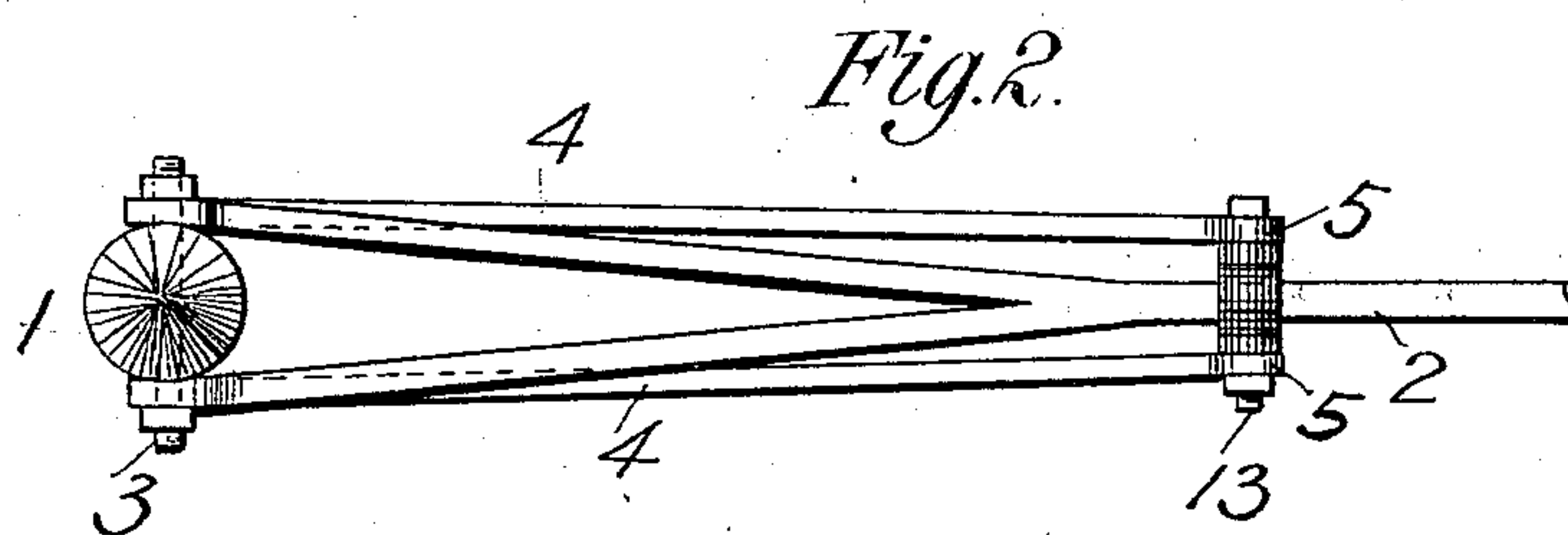
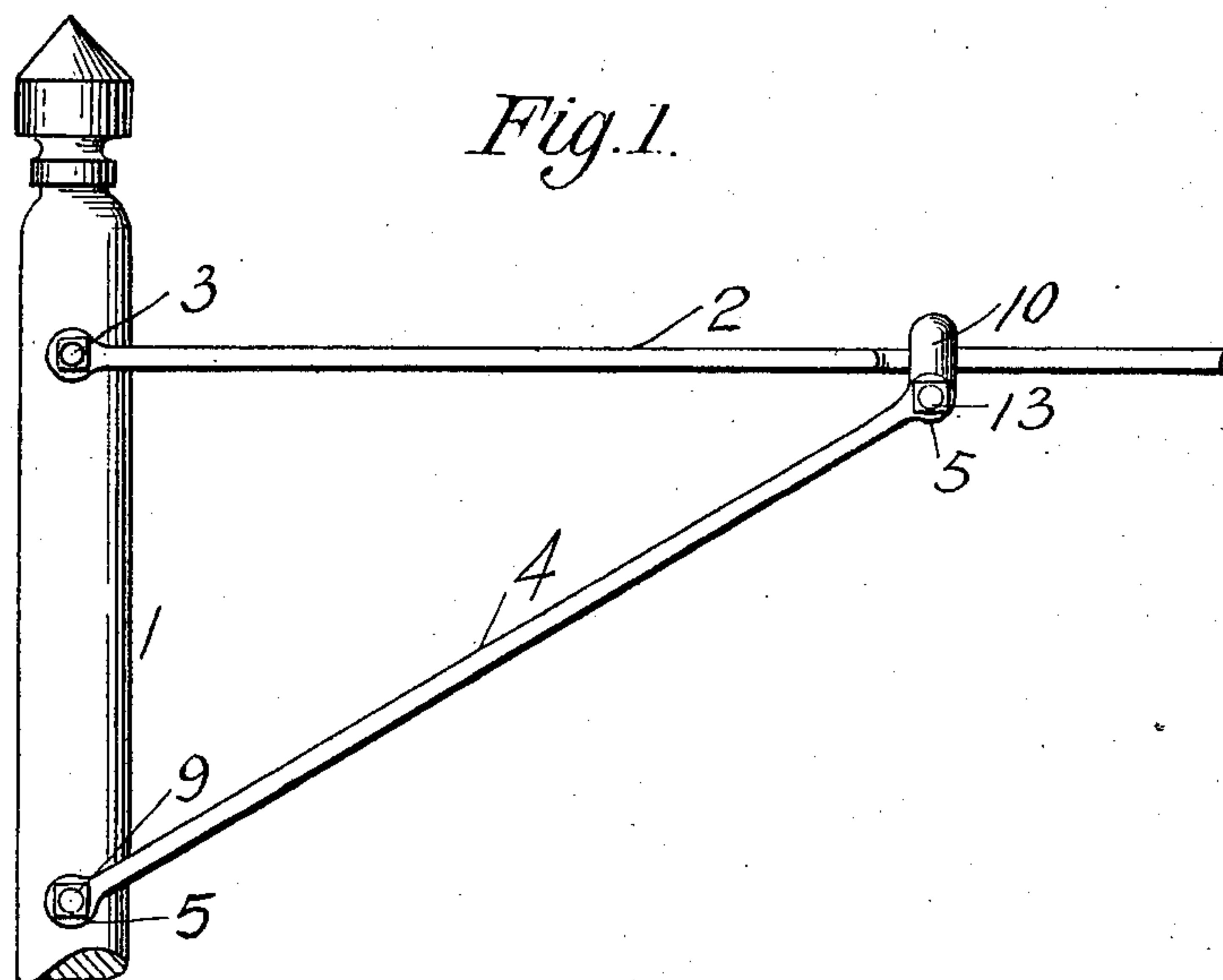


No. 692,681.

Patented Feb. 4, 1902.

S. LEONARD.
TROLLEY WIRE BRACKET.
(Application filed July 8, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

SAMUEL LEONARD, OF HOLLIDAYSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO WILLIAM A. LOUDON, OF ALTOONA, PENNSYLVANIA.

TROLLEY-WIRE BRACKET.

SPECIFICATION forming part of Letters Patent No. 692,681, dated February 4, 1902.

Application filed July 8, 1901. Serial No. 67,490. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL LEONARD, a citizen of the United States, residing at Hollidaysburg, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Trolley-Wire Brackets; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to trolley-wire brackets.

The object of the invention is to provide simple, durable, and inexpensive means for firmly and securely attaching the trolley-wire arm to the supporting pole or post, whereby it will be braced against lateral as well as vertical strain.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of the upper end of a trolley-line post, illustrating the application of my invention. Fig. 2 is a top plan view, and Fig. 3 is a front elevation of the yoke or saddle.

In the drawings, 1 denotes the post, and 2 the bracket-arm. The inner end of the bracket-arm is forked or bifurcated in form, so as to embrace the opposite sides of the post, and is formed with eyes, through which extends a bolt 3.

4 denotes diagonal braces having eyes 5 at their opposite ends. The lower ends of these diagonal braces are arranged on opposite sides of the pole or post and are connected thereto by a through-bolt 9. A contracted yoke or saddle 10 embraces the outer end of the bracket-arm and is provided with eyes 11, which register with the eyes at the upper ends of the braces, and through these sets of eyes is inserted a bolt 13, which securely clamps the upper ends of the braces to the hanger-arm.

From the foregoing description the con-

struction, operation, and advantages of my invention will be readily understood without requiring a more extended explanation. It is evident that an arm thus supported will possess a maximum degree of strength, as it is thoroughly braced against lateral as well as vertical movement, and this bracing or connection of parts to the pole or post is effected in a simple and inexpensive way, thus enabling a road to be equipped with my improvement without incurring additional expense.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

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

1. The combination with a post, of a bracket-arm secured thereto, braces connected to the opposite sides of the post, and a saddle or yoke connecting the upper ends of the braces with the bracket-arm, substantially as set forth.

2. The combination with a pole or post, of a bracket-arm having a bifurcated inner end formed with eyes, a bolt passed through the eyes of the bracket-arm and through the post, diagonally-arranged braces having eyes at their ends, a bolt passed through the eyes at the lowermost ends of said braces and through the post, a saddle or yoke straddling the outer ends of the bracket-arm and provided with eyes which register with the eyes at the upper ends of the braces, and a bolt passed through the registering eyes of the saddle or yoke and those at the upper ends of the braces, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SAMUEL LEONARD.

Witnesses:

C. G. EMSWILER,

CHARLES J. McCULLOUGH.