

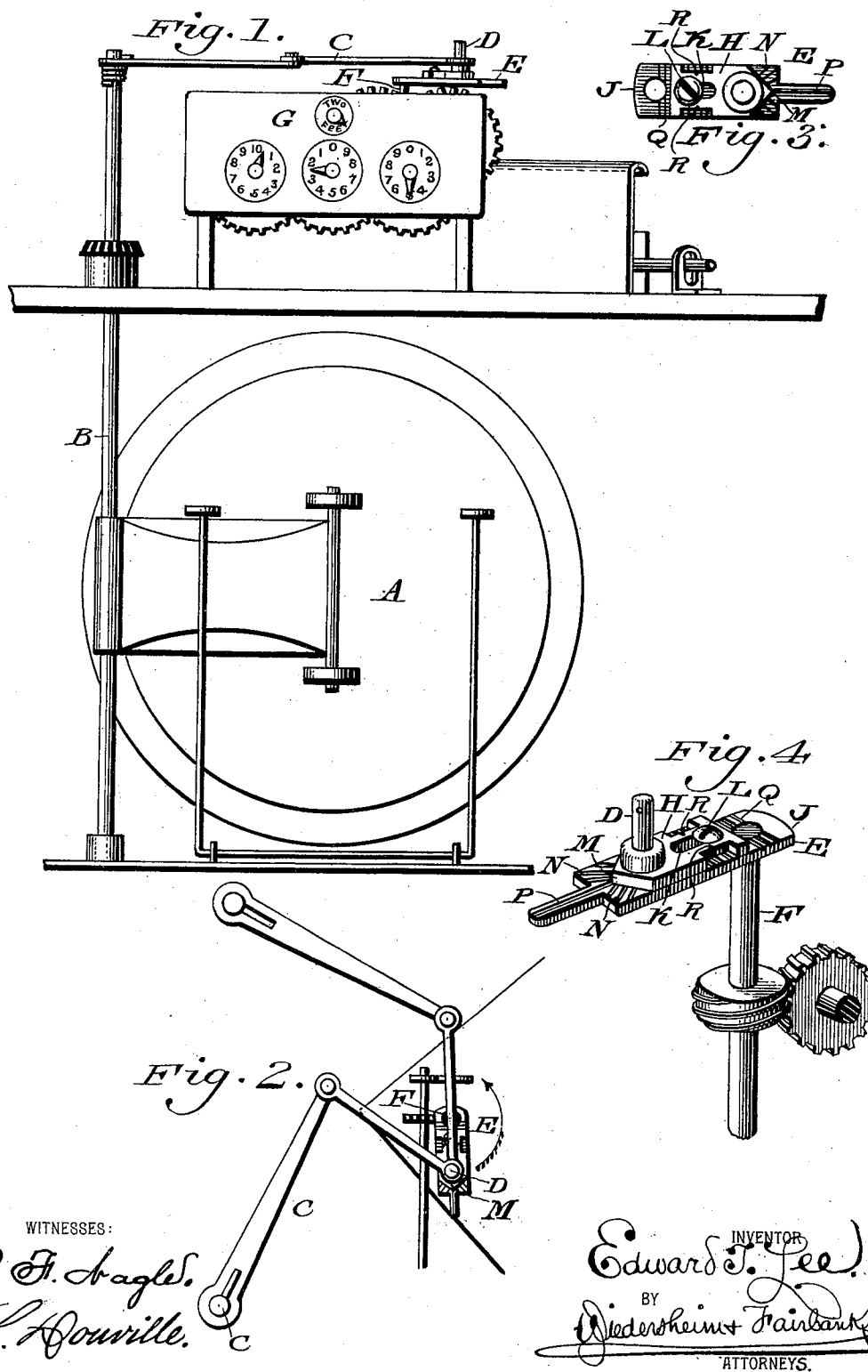
No. 620,939.

Patented Mar. 14, 1899.

E. T. LEE.
GAS METER.

(Application filed July 7, 1898.)

(No Model.)



UNITED STATES PATENT OFFICE.

EDWARD T. LEE, OF ROYERSFORD, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO JOHN H. MANSUR, OF SAME PLACE.

GAS-METER.

SPECIFICATION forming part of Letters Patent No. 620,939, dated March 14, 1899.

Application filed July 7, 1898. Serial No. 685,294. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. LEE, a citizen of the United States, residing at Royersford, in the county of Montgomery, State of Pennsylvania, have invented a new and useful Improvement in Gas-Meters, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to an improvement in
10 a gas-meter; and it consists of means for changing the position of the tangent post, so as to effect the adjustment of the valves and the throw or distance of travel of the diaphragm of the meter both conveniently and
15 with precision, the novel features being hereinafter set forth, and pointed out in the claims that follow the specification.

Figure 1 represents a side elevation of a gas-meter embodying my invention. Fig. 2
20 represents a top or plan view of a portion thereof. Fig. 3 represents a top or plan view of the invention on an enlarged scale. Fig. 4 represents a perspective view thereof.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates one of the diaphragms of the bellows of a gas-meter; B, the flag-rod; C, the crank-arm, which is secured to said rod; D, the tangent
30 post, on which one end of said crank-arm is mounted, and E the tangent arm, from which said post rises, said arm E being secured to the shaft F, which rotates with it and is geared with the registering mechanism G.

The arm E is formed of two parts or sections H J, the section H being movable on the section J and supporting the tangent post D. In said section is the longitudinally-extending slot K, which receives the stud L,
40 which is screwed into the section J. The end of said section H is formed with the pointer or index-finger M, beneath which, on one end of the upper face of the section J, are the divergent lines N and the right line P at the center of the lines N, said lines being termed
45 by me "percentages." On said face of the section J, at or near the other end thereof, are the parallel transverse lines Q, and the sides of the section H have notches or recesses
50 R thereon, the same acting as an index or registering character on said lines Q. It will now be seen that when the screw L is loosened the section H may be moved to the right or left on the section J, whereby the post D may

be located or gaged by the index-finger M and
55 lines N on the section J to effect the adjustment of the valves, the central line P of the lines N being the starting-point for said index M. The section H may also be moved in longitudinal direction on the section J, it
60 sliding on the latter, whereby the post D may be set in said direction, gaged by the indices R and lines Q on the section J, to effect the adjustment of the throw or distance of travel of the diaphragm. When the adjustments
65 are accomplished, the screw L is tightened, and thus the sections H J constitute a single piece, which moves with the shaft F as its axis and is operated by the crank-arm C.

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

1. In a gas-meter, an arm formed of sections, one of which is slotted, and a screw passing through the slot into the other section whereby the sections are adjustably
75 connected, one of said sections having a tangent post firmly connected with it, and the other section having the shaft of the registering mechanism firmly connected with it, one of
80 said sections being provided with index characters for lateral and longitudinal adjustment of said section and the other section having different graduations for said characters.

2. In a gas-meter, an arm formed of
85 adjustably-connected sections, one of said sections supporting the tangent post of the meter and provided with an index-finger, the other section having thereon divergent lines to which said finger may point.

3. In a gas-meter, an arm formed of
90 adjustably-connected sections, one of said sections supporting the tangent post of the meter and an index character thereon, the other section having transversely-extending lines, with
95 either of which said character may register.

4. In a gas-meter, a tangent post and an arm formed of adjustably-connected sections, one of which supports said post and having
100 an index-finger at its end and a recess in its side, and the other section having divergent lines adjacent to said finger and transversely-extending lines adjacent to said recess.

EDWARD T. LEE.

Witnesses:

WARREN B. MANSUR,
WILLIAM T. KERR.