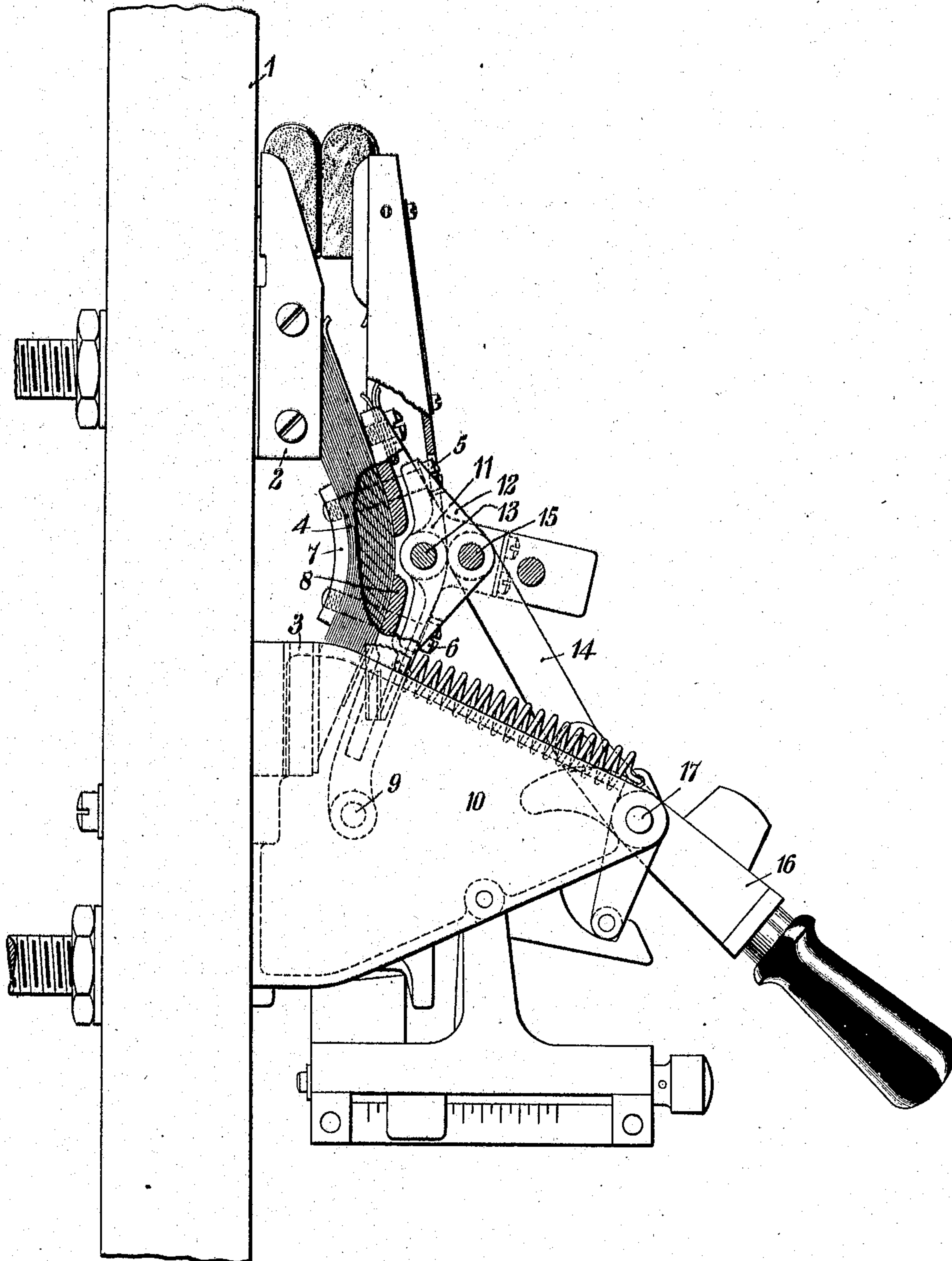


C. AALBORG.
ELECTRICAL CIRCUIT BREAKER.
APPLICATION FILED MAY 2, 1906.

936,594.

Patented Oct. 12, 1909.



WITNESSES:

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CHRISTIAN AALBORG, OF WILKINSBURG, PENNSYLVANIA, ASSIGNOR TO WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

ELECTRICAL-CIRCUIT BREAKER.

936,594.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed May 2, 1906. Serial No. 314,854.

To all whom it may concern:

Be it known that I, CHRISTIAN AALBORG, a citizen of the United States, and a resident of Wilksburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Electrical-Circuit Breakers, of which the following is a specification.

My invention relates to electrical circuit breakers, and it has for its object to provide means whereby the pressure exerted between the stationary and movable contact members of a circuit breaker may be easily and readily adjusted.

The single figure of the accompanying drawing is a view in side elevation of a circuit breaker that embodies my invention, certain portions thereof being broken away for the sake of clearness of illustration.

Mounted upon the face of a marble or other suitable slab 1 are circuit terminal pieces 2 and 3, that are adapted to be connected, when the circuit breaker is closed, by means of a brush or flexible switch member 4 comprising a bundle of sheet metal strips the ends of which are beveled. The brush 4 is clamped, by means of screws 5 and 6, between a plate 7 and an arm 8 that is pivoted at 9 in a bracket 10 with which the slab 1 is provided. The arm 8 is provided, on its edges, near its upper end, with lugs or ears 11 between which a triangular shaped bracket 12 is pivotally mounted upon a pin 13. The heads of the screws 5 and 6, by means of which the brush 4 is clamped between the plate 7 and the arm 8, engage the ends of the bracket 12 and thus serve as a means for fixing and adjusting the position of the bracket 12 with reference to the arm 8. One end of a link 14 is pivoted upon a pin 15 with which the bracket 12 is provided, and its other end is pivotally connected to an operating lever 16 by means of a pin 17 that is mounted in the outer end of the bracket 10, the circuit-breaker being closed when the lever occupies the position shown. Adjustment of the pressure exerted by the brush 4 upon the terminal pieces 2 and 3 may be effected by adjusting the screws 5 and 6 in order to raise or lower the pin 15, the pressure being decreased when the pin is moved upwardly and increased when it is moved downwardly, as will be readily understood from an inspection of the drawing.

It is deemed unnecessary to describe in

detail the means here shown for retaining the circuit breaker in closed position and for automatically tripping it upon the occurrence of predetermined electrical conditions, because they constitute no part of the present invention and because other suitable means may be employed for the purpose.

The structural details and arrangement of the parts of the circuit breaker that constitute the present invention may be varied considerably from what I have here shown and described without altering the mode of operation thereof or departing materially from its spirit and I desire that all such modifications shall be included within its scope.

I claim as my invention:

1. In a circuit-breaker, the combination with stationary circuit terminals, and a movable, flexible contact member to engage therewith, of a link and lever operating mechanism for the movable contact member, said mechanism comprising a bracket secured to said member and means for adjusting the angular relation between said bracket and said movable contact member to effect variations in the pressure exerted between said member and the stationary circuit terminals.

2. In a circuit breaker, the combination with stationary circuit terminals, and a movable, flexible contact member to engage therewith, of a bracket pivoted to the said member, means whereby the bracket may be adjusted and fixed in position with reference to the contact member, and operating means for the contact member, said means being pivotally connected to the bracket.

3. In a circuit-breaker, the combination with stationary circuit terminals, and a movable, flexible contact member to engage therewith, of an operating lever, a bracket having a middle point supported upon said member, a link that connects the operating lever to said bracket, and means for angularly adjusting said bracket upon its point of support as a center.

In testimony whereof, I have hereunto subscribed my name this 30th day of April 1906.

CHRISTIAN AALBORG.

Witnesses:

A. G. CORRAO,
BIRNEY HINES.