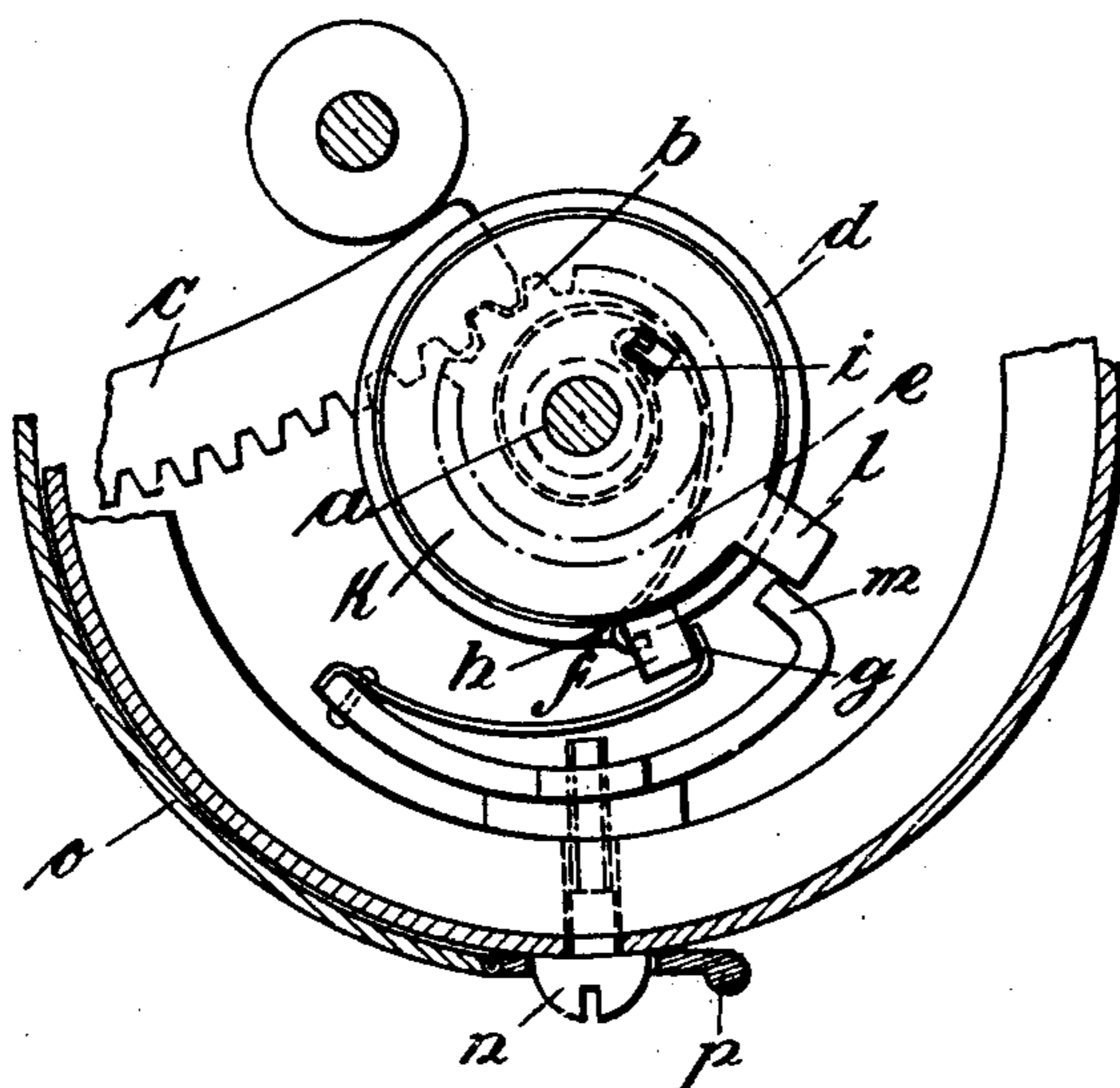


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STOP FOR THE DRIVING GEARS OF DYNAMO POCKET LAMPS OPERATED BY  
HAND LEVERS AND TOOTHED SEGMENTS  
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# UNITED STATES PATENT OFFICE.

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STOP FOR THE DRIVING GEARS OF DYNAMO POCKET LAMPS OPERATED BY HAND  
LEVERS AND TOOTHED SEGMENTS.

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Driving mechanisms for dynamo pocket-lamps operated by toothed segments possess the inconvenience that the return of the toothed segment into its initial position is limited by a stationary stop in order to secure permanent meshing of the toothed segment with the driving mechanism. This stop is stationary so that its position can not be varied and so that the taking to pieces of the driving mechanism is impeded. Owing to the stationary stop the elements of the driving mechanism strike strongly the one against the other.

According to the invention these inconveniences are obviated by providing, for limiting the return movement of the toothed segment, an elastic stop for a nose which is connected to the driving mechanism, said stop being adapted to be adjusted by means of an adjusting screw so that the nose of the driving wheel may eventually pass freely along said stop, the toothed segment being thus disengaged from the driving wheel. The adjusting screw serves further for holding a slotted tongue fixed on the hand lever for the toothed segment, when said hand lever is in the closing position.

The improved stop according to the invention is shown, by way of example, in the accompanying drawing, in the only figure.

On the axle *a* of a gear wheel *b*, driven by a toothed segment *c*, a spring plate *d* is fixed in which a blade spring *e* is located which, after each releasing of a hand lever *o* fixed on the toothed segment *c*, returns this hand lever and the toothed segment *c* into the initial or open position. According to the invention a nose *f* is arranged on the spring plate *d* and pressed by the action of the spring *e* against an elastic abutment *g* so that the plate *d* with the gear wheel *b* can be rotated in backward direction only so far that the end tooth of the segment *c* remains still in gear with the gear wheel. The outer end of the blade spring *e* is fixed in a cut-out portion *h* of the plate *d* and the inner

end is fixed to a nose *i* stamped out of the spring holder *k*. The spring holder *k* has a nose *l* which, by the action of spring *e*, is permanently pressed against the abutment *m*. To adjust the elastic abutment *g* with regard to the nose *f* of the plate *d*, or to remove said abutment from the path of this nose, an adjusting screw *n* is provided which bears against the lower side of the abutment *g*. If the screw *n* is screwed out of its nut so far that the resilient abutment liberates the nose *f* of plate *d*, this plate together with the gear wheel will continue to rotate backward so that the toothed segment *c* comes out of gear with gear wheel *b* and can be removed from the lamp-casing by means of the hand-lever *o*.

The screw *n* serves at the same time when the hand lever is in the closing position for holding a slotted tongue *p* hingedly connected to said hand lever *o*.

I claim:—

1. A stop for driving gears of dynamo pocket-lamps, comprising in combination with a hand lever, and a toothed segment, a driving gear wheel, a nose projecting from said gear wheel, a resilient abutment for stopping said nose if said toothed segment is in the extreme position, and an adjusting screw for bringing said abutment out of the path of said nose.

2. A stop for driving gears of dynamo pocket-lamps, comprising in combination with a hand lever, and a toothed segment, a driving gear wheel, a nose projecting from said gear wheel, a resilient abutment for stopping said nose if said toothed segment is in the extreme position, and an adjusting screw for bringing said abutment out of the path of said nose, and a slotted tongue hingedly mounted on said hand lever and being held by said adjusting screw when said hand lever is in the closing position.

In testimony whereof I affix my signature.

OTTO JANZEN.