

No. 849,517.

PATENTED APR. 9, 1907.

C. B. WANAMAKER & U. G. LEEDY.
CLAMP FOR DRUM ATTACHMENTS.

APPLICATION FILED JULY 18, 1906.

Fig. 1.

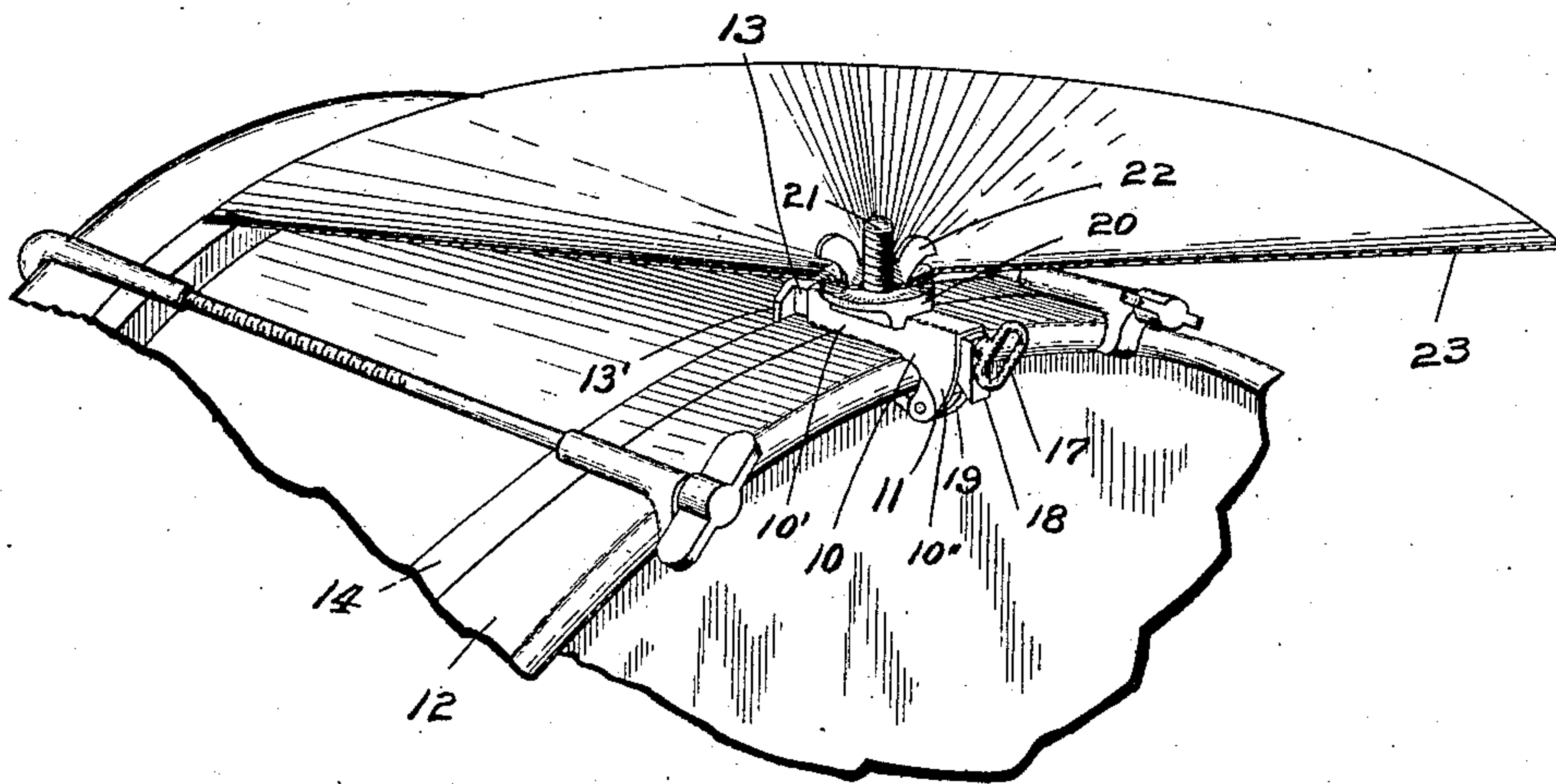
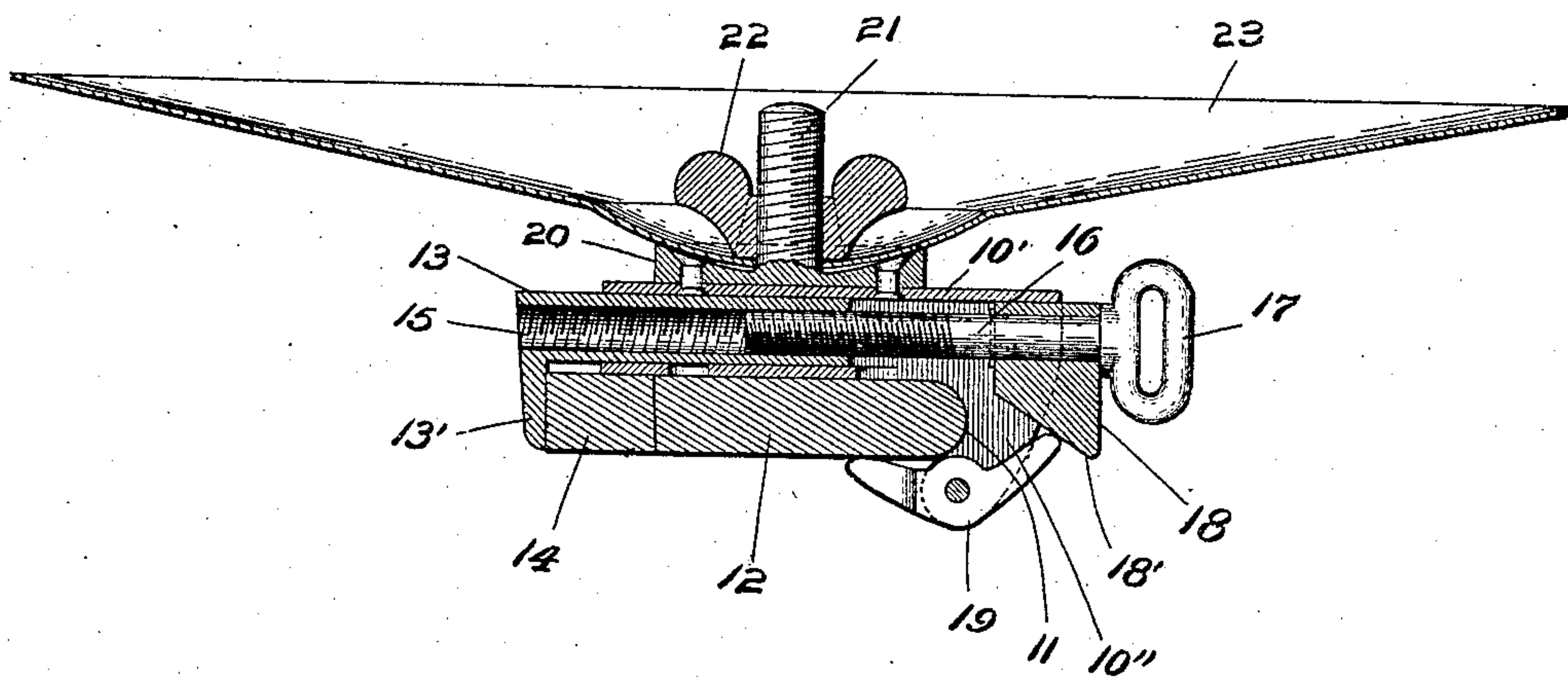


Fig. 2.



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UNITED STATES PATENT OFFICE.

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INDIANA, ASSIGNORS TO LEEDY MANUFACTURING COMPANY, OF IN-
DIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

CLAMP FOR DRUM ATTACHMENTS.

No. 849,517.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed July 18, 1906. Serial No. 326,790.

To all whom it may concern:

Be it known that we, CHARLES B. WANAMAKER and ULYSSES G. LEEDY, citizens of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Clamps for Drum Attachments, of which the following is a specification.

10 The object of our invention is to provide a simple yet efficient means by which attachments of various kinds may be connected to a drum, the device being especially designed for use in attaching various musical instru-
15 ments or a music-rack to a bass-drum.

The accompanying drawings illustrate our invention.

20 Figure 1 is a perspective view of a portion of a drum with our clamp attached, a cymbal being shown in section. Fig. 2 is a sectional view of the clamp, a cymbal, and a drum-head ring.

25 In the drawings, 10 indicates a main body, preferably formed of sheet metal doubled upon itself to form a main tubular portion 10' and a pair of tongues 10'', which overhang the main body 10 to form a notch 11, adapted to receive the rounded outer edge of the counter-hoop 12. Slidably mounted
30 in the tubular portion 10' is a head 13, provided with an extending finger 13', adapted to engage the inner edge of the flesh-hoop 14. The head 13 is centrally perforated by a threaded opening 15, which receives a screw
35 16, provided at its outer end with an operating-head 17. Sleeved upon the threaded end of screw 16, adjacent the head 17, is a block 18, which fits and slides between the lips 10'', and this block 18 is provided with
40 an inclined cam-face 18', adapted to engage one arm of the clamp-lever 19, which is pivoted between the outer ends of lips 10'', the opposite arm of said clamping-lever being adapted to engage the inner face of the
45 counter-hoop 12. Attached to the tubular portion 10' of the main body 10 is a head 20, provided with a central threaded stem 21, adapted to receive a thumb-nut 22, the head 20 and stem 21 being adapted to receive any
50 article to be attached to the drum—such, for instance, as a cymbal 23 or a music-rack, triangle-support, or any other desired object.

In operation when screw 16 is turned so as

to move to the right in Fig. 2 block 18 and finger 13 may be separated, thus permitting 55 the clamp-lever 19 to swing upon its pivot to withdraw its inner end from engagement with the hoop 12, whereupon the clamp may be removed. When the screw 16 is turned in the opposite direction, finger 13' will be 60 drawn toward lips 10'', thus clamping the structure upon the hoops and simultaneously moving block 18 inward, so as to cause its surface 18' to engage the tail of lever 19 and force its inner end tightly downward into en- 65 gagement with the drum-ring 12, so as to clamp the counter-hoop between it and the tubular portion 10' of the main body 10. By this means two clamping forces substantially at right angles to each other are ex- 70 erted simultaneously upon the hoops.

We claim as our invention—

1. A clamp comprising a pair of members between which an object may be clamped, one movable relative to the other, a second 75 pair of clamping members, for the same object to be clamped, one movably mounted relative to the other, and means for simultaneously actuating said movable members to simultaneously exert two clamping forces 80 in different directions upon the aforesaid object to be clamped.

2. In a clamp, the combination with the main body, of a movable clamp mounted therein, a cam-block, a second clamping 85 member carried by the main body and engaged by said cam-block, and a single means for simultaneously actuating the first-mentioned clamp and the cam whereby the article to be clamped is simultaneously clamped 90 by two forces at an angle to each other.

3. In a clamp, the combination with the main body, of a movable clamp mounted therein, a cam-block, a second clamping 95 member carried by the main body and engaged by said cam-block, and means for simultaneously actuating the first-mentioned clamp and the cam whereby the article to be clamped is simultaneously clamped by two forces at an angle to each other. 100

4. In a clamp, the combination with the main body, of a clamping member slidably mounted therein, a clamp-lever pivotally mounted on said main body and having an end coöperating with the main body in a di- 105 rection at an angle to the direction of coöp-

eration of the first-mentioned clamping member with the main body, means for moving said first-mentioned clamp member in the main body, and means for swinging the
5 clamp-lever on the main body.

5. In a clamp, the combination with the main body, of a clamping member slidably mounted therein, a clamp-lever pivotally mounted on said main body and having an
10 end coöperating with the main body in a direction at an angle to the direction of coöperation of the first-mentioned clamping member with the main body, a cam-block

slidably mounted in the main body and adapted to engage the clamping-lever, and a 15 screw engaging the first-mentioned clamping member and cam-block to simultaneously actuate the same.

In witness whereof we have hereunto set our hands and seals, at Indianapolis, Indiana, 20 this 2d day of July, A. D. 1906.

CHARLES B. WANAMAKER. [L. S.]
ULYSSES G. LEEDY. [L. S.]

Witnesses:

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