

(No Model.)

O. P. LOCHMANN.  
MUSIC BOX.

No. 573,018.

Patented Dec. 15, 1896.

Fig. 1.

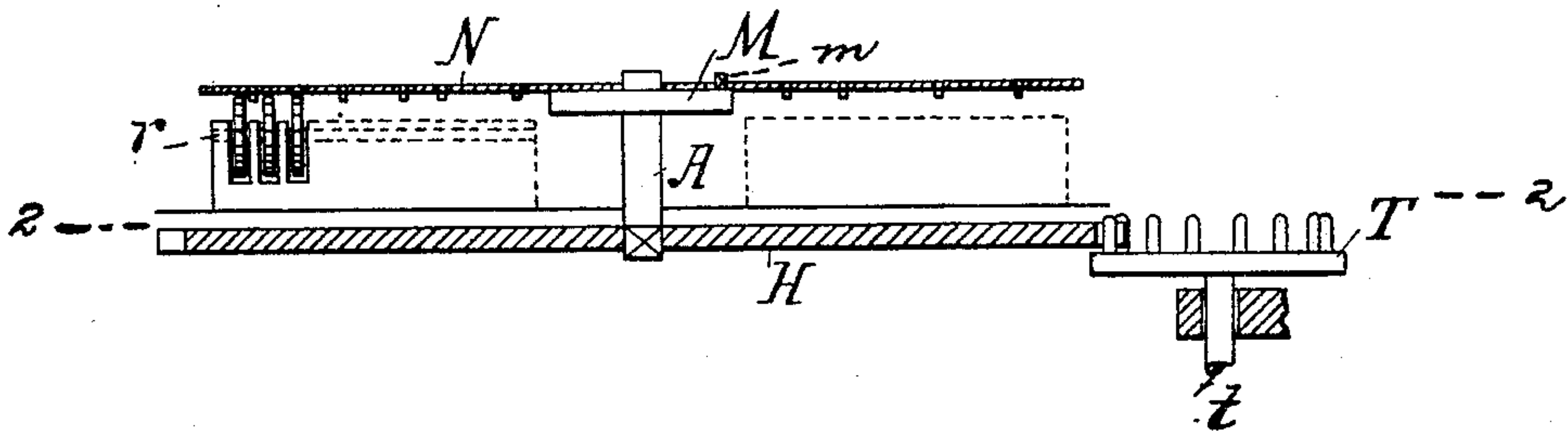
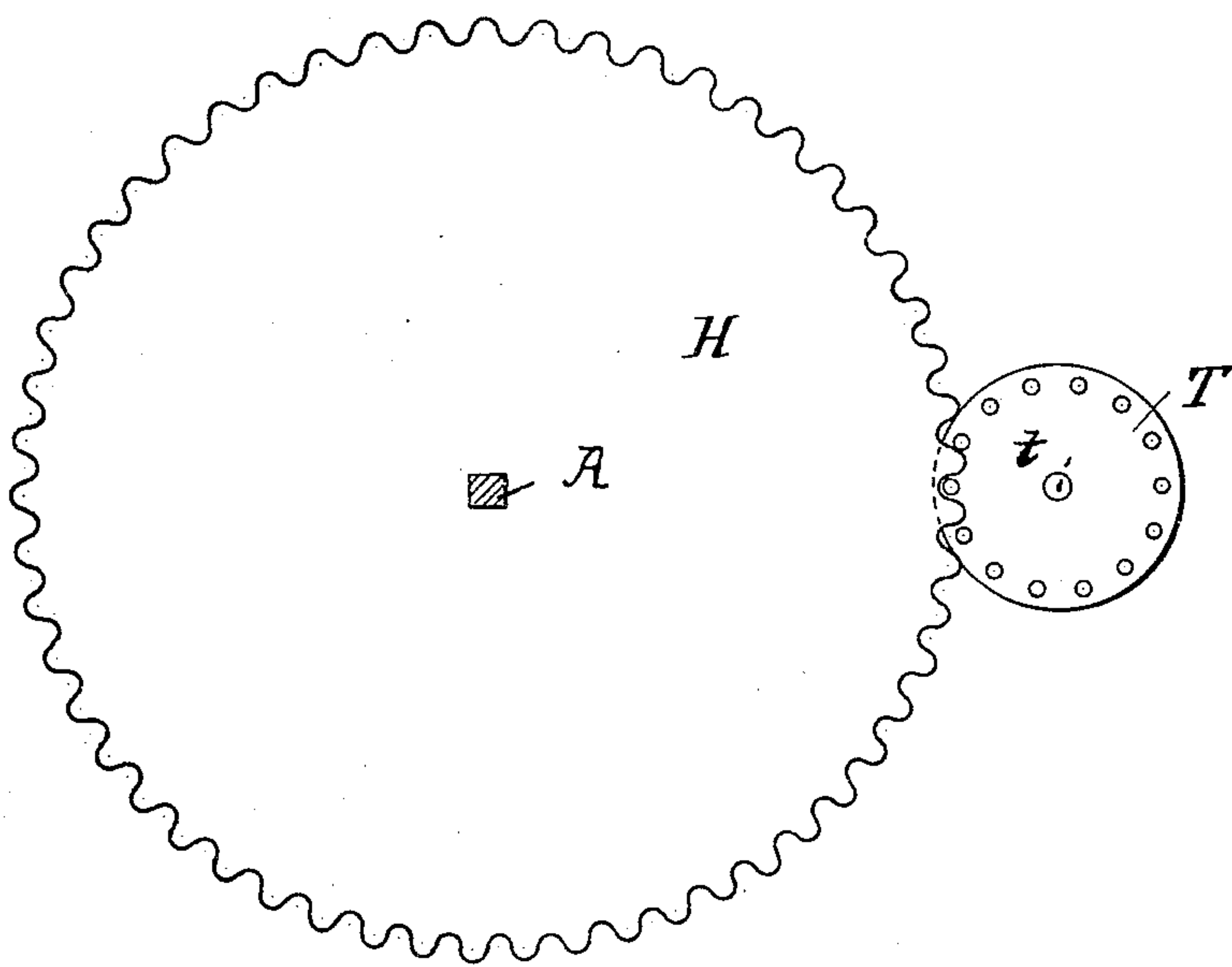


Fig. 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

OSKAR PAUL LOCHMANN, OF LEIPSIC, GERMANY.

## MUSIC-BOX.

SPECIFICATION forming part of Letters Patent No. 573,018, dated December 15, 1896.

Application filed May 20, 1896. Serial No. 592,360. (No model.)

*To all whom it may concern:*

Be it known that I, OSKAR PAUL LOCHMANN, a subject of the King of Saxony, and a resident of Leipsic, Saxony, Germany, have  
5 invented certain new and useful Improvements in Music-Boxes, of which the following is a specification.

My invention has reference to improvements in movements for music-boxes, and especially for boxes of the nature described in  
10 my prior United States Letters Patent, No. 498,278, granted May 30, 1893; and it has for its object to provide a construction whereby the note-disk can be removed and exchanged  
15 without removing the driving-disk for the note-disk spindle.

To this end my invention consists, essentially, in combining with the rotary note-spindle a driving-disk located below the reeds  
20 and an auxiliary disk located above the reeds and to which the note-disk is connected.

The nature of my invention will best be understood when described in connection with the accompanying drawings, in which—

25 Figure 1 represents a vertical section, partly in elevation, of the note-disk and its driving mechanism. Fig. 2 is a vertical section on the line 2 2, Fig. 1.

Similar letters of reference designate corresponding parts throughout both views of the drawings.

Referring now to the drawings, the letter T designates the driving-pinion, which is mounted on the shaft *t*, forming part of the  
35 motor, (not shown,) which latter may be of any usual construction.

H is a circumferentially-toothed disk which meshes into the pinion T and is made fast to the driving-spindle A of the note-disk. Said  
40 disk is located below the playing movement. Above the driving-disk is mounted an auxiliary disk M, there being sufficient space between the two to leave room for the reeds *r* and their supports. The note-disk N is centrally perforated to permit the passage of the  
45 spindle A and is engaged by a pin *n*, projecting from the auxiliary disk, so that, in view

of the double connection, the note-disk participates in the rotary motion of the auxiliary disk. Instead of this connection two or more  
50 pins may be formed on the disk M, which would project through the note-disk and hold the same.

The driving-disk H is, by preference, placed near the bottom of the music-box and remains  
55 in place all the time, while the note-disks are readily interchangeable without removing any part of the mechanism. Furthermore, the movement is always accessible.

What I claim as new is—

60 1. In a music-box, a driving-disk located back of the playing mechanism and placed in connection with the operating-motor, and an attaching device adapted to retain the note-disk, located in front of the playing mechanism and placed in operative connection with  
65 the driving-disk; whereby the note-disk can be removed and exchanged without removing the driving-disk, substantially as described.  
70

2. In a music-box, the combination of the note-disk spindle, a driving-disk attached to the spindle and located back of the playing mechanism, and an auxiliary disk mounted  
75 on the same spindle and adapted to receive and retain the note-disks, substantially as described.

3. In a music-box, the combination of a motor, a pinion operated by the same, a note-disk spindle, a driving-disk attached to the  
80 spindle and meshing into the pinion, an auxiliary disk mounted on the same spindle and constructed to receive and retain the note-disk; said two disks being on opposite sides of the playing mechanism, substantially as  
85 described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OSKAR PAUL LOCHMANN.

Witnesses:

B. METHE,  
E. RAABE.