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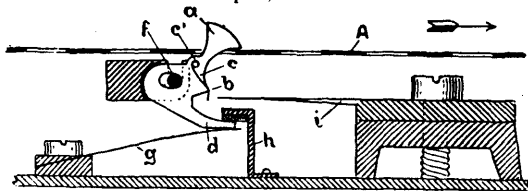
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 51,482. Damper Device for Mechanical Musical Instruments. (*Appareil modérateur pour instruments de musique.*)



51482

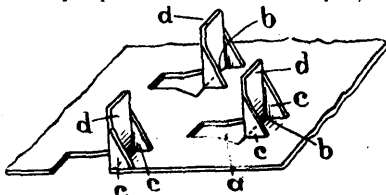
Dr. Adolf Richter, Rudolstadt, Germany, 2nd March, 1896; 6 years. (Filed 15th January, 1896.)

Instead of attaching the springs *c*, as shown at figure 1 at *c*¹ to the hammer sides, the same may be attached at *c*² (figure 5) on the lower arm of the hammer and extend upwardly. If very light combs are employed the damper may consist of one spring only.

Claim.—A striking and damping device for the steel combs of mechanical musical instruments, consisting of a hammer, loosely mounted by means of a slot on the fast shaft, said hammer having an upward projection *a*, a striking nose *b*, an arm *d* to limit its upward movement and damper device consisting of laterally attached springs adapted to contact with the end of the tongue on the forward movement of the hammer and means for keeping the said hammer in contact with the note sheet, substantially as described.

No. 51,483. Tune Disc.

(*Disque pour instrument de musique.*)

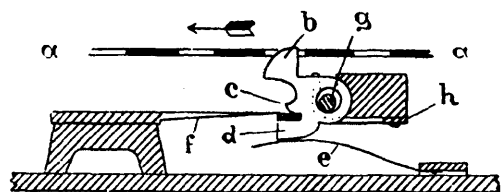


51483

Dr. Adolf Richter, Rudolstadt, Germany, 2nd March, 1896; 6 years. (Filed 15th January, 1896.)

Claim.—1st. In a metallic note band, disc or sheet, the combination of a vertical tongue as *d* stamped out of the said sheet band or disc, and having lateral stays integral therewith and forming extensions of the sides thereof in the manner and for the purpose substantially as described. 2nd. In a note sheet, band or disc, the combination of a vertical tongue stamped or cut out of the said sheet, band or disc and integral therewith, and having a lateral stay integral with the side thereof, substantially as described. 3rd. In a metallic note band, sheet or disc, the combination of a vertical tongue *d*, stamped or cut out of the said disc, band or sheet, and lateral stays as *c* integral with the sides of said vertical tongue and supporting the same at the rear with regard to the direction of rotary or longitudinal motion of the said disc band or sheet, substantially as described. 4th. A note band, disc or sheet having tongues or teeth struck up therefrom and substantially perpendicular thereto, said teeth having stays formed integral with the sides between the base and the upper working edges thereof, which stays are adapted to reach contact with the body of the band, disc or sheet, substantially as described. 5th. A note band, disc or sheet, carrying teeth or projections that project from its face and are integral therewith, said teeth carrying braces which project from the sides of said teeth and reach contact with the disc, band or sheet, substantially as described.

No. 51,484. Device for Vibrating Tongues of Music Boxes. (*Appareil pour la vibration des languettes de boîtes à musique.*)



51484

Dr. Adolf Richter, Rudolstadt, Germany, 2nd March, 1896; 6 years. (Filed 15th January, 1896.)

Claim.—1st. The combination of a hammer having arranged at one and the same side of its pivot a cam *b*, a projection *c*, and a damper *d*, a spring *e* mounted on the base plate to bear against the under surface of said damper and enlarged pivot hole and a pivot *g*, substantially as described. 2nd. The combination of a hammer having at one and the same side of its pivot a cam *b*, a projection *c*, and damper *d*, a spring *e* attached to the base plate to bear against the under surface of said damper, an enlarged pivot hole and a pivot spindle *g* therein, a second spring *h* to bear against the under surface of the pivot boss of the hammer, substantially as described.

No. 51,485. Mechanical Musical Instrument.

(*Instrument de musique mécanique.*)

Dr. Adolf Richter, Rudolstadt, Germany, 2nd March, 1896; 6 years. (Filed 15th January, 1896.)

Claim.—1st. In a mechanical musical instrument, the combination of an oval casing having a downwardly extending rear wall, a sounding board below said casing and connected thereto by means of said rear wall, a space between said casing and sounding board, and a removable front support to said casing extending between its lower front edge and the sounding board, substantially as described.