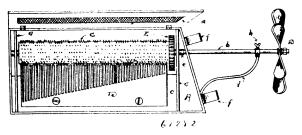
ramenent autour du plant la terre qui avait été écartée par la their outer edges extending over the angle formed by the intersection charrue, tel que mentionné. 5. Dans une planteuse une charrue H, précédée d'un chasse-pierre G, qui ouvre un sillon dans la terre et suivi des oreilles I qui raménent autour du plant la terre qui avait été écartée par la charrue, tel que décrit et dans le but mentionné.

No. 61,282. Music Box for Bicycles, &c.

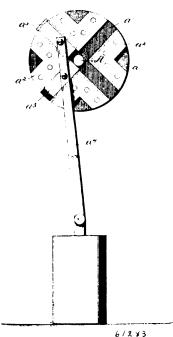
(Boite à musique pour biegeles, etc.)



Alva Armstrong, Ottawa, Ontario, Canada, 1st. October, 1898; 6 years. (Filed 17th June, 1898.)

Claim. - 1st. In a music box, a screw or windmill fan, substantially attached to my music box for the purposes heretofore described, all substantially as set forth. 2nd. In a music box attached to bicycles or vehicles, the combination of the fan B, main shaft b_i and shaft c_i drive pinion F, and cog wheel E, or a bevelled gear instead of F. and E, forming a mechanical motion, all substantially as set forth, 3rd. In a music box attached to bicycles to vehicles, the combination of the cylinder C, provided with needles, the toothed comb D, attached or used for the purposes heretofore mentioned, all substantially as set forth and described. 4th. In a music box attached to bicycles or vehicles, a locking device, the combination of the threaded set screw h, working in the threaded ferrule portion of the brace d, and stopping the shaft b, from revolving, all as described. 5th. In a music box attached to bicycles or vehicles, the combination of the leather bag or wooden box A, held on by spring slips or leather straps f, the fan B, with brace d, shafts b and c, drive pinion F, and cog wheel E, needled cylinder C, toothed comb D, sounding board g, both attached to block c, all held in place by frame G, outlets a, and locking device h, all substantially as and for the purposes set forth and described.

No. 61,283. Pitman. (Bielle.)

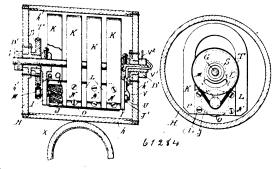


Charles Woodford Ross, Santaluta, Assa., 1st October, 1898 ; 6 years. (Filed 31st March, 1898.)

Claim. -A device for converting rotary motion to a reciprocating

of said diagonal grooves, slide blocks a^a , mounted to have a slidable or said tragonar grooves, since blocks a^a , mounted to have a slidable movement in said grooves, beneath said plates, said slide blocks being square in cross section to prevent sidewise movement of said blocks, and a pitman a^4 , pivotally connected to said slide blocks at points equi distant from the inner ends of said blocks, substantially as and for the purposes herein set forth.

No. 61,284. Dynamo. (Dynamo.)



Edward W. Farnham, Chicago, Illinois, U.S.A., 1st October, 1898; 6 years. (Filed 21st January, 1898.)

Claim. 1st. In a dynamo, the combination of a non-rotatable shaft, a frame secured to the non-rotatable shaft, a casing consisting of a cylinder rotatably mounted on the non-rotatable shaft, permanently mounted on the non-rotatable shaft, permanent magnets within the casing, an armature rotatably mounted within the casing to turn in the field of the pole pieces of the permanent magnets, and a connection between the casing and the armature so that rotation of the casing produces rotation of the armature, substantially as set forth. 2nd. In a dynamo, the combination of a non-rotatable shaft, a frame secured to the non-rotatable shaft, a casing consisting of a cylinder rotatably mounted on the non-rotatable shaft, permanent magnets within the casing, mounted to rotate by the rotation of the casing, an armature rotatably mounted within the casing tion of the casing, an armature rotatably mounted within the casing in the field of the bole pieces of the permanent magnets, and a connection between the casing and the armature to rotate such armature in a direction contrary to the direction of rotation of the permanent magnets, substantially as set forth. 3rd. The combination in a dynamo of a non-rotable shaft, a frame secured to the shaft, a casing consisting of a cylinder rotatable mounted on the shaft, a casing consisting of a cylinder rotatably mounted on the non-rotatable shaft, permanent magnets within the casing and on the frame, an armature within the casing, rotating in the field of the pole pieces of the permanent magnets and a connection between the casing and the armature to rotate the armature by the rotation of the casing. 4th. The combination in a dynamo of a standard, a non-rotatable shaft in the standard, a non-rotatable frame on the shaft, a cylindrical casing mounted to rotate on the shaft, an armature and field pieces inside the casing and a connection, also inside the casing, between the armature, the field pieces and the casing wherehe the rotation of the casing the metable shaft. casing, whereby the rotation of the casing on the rotable shaft produces rotary change in the relative position of the armature and the pole pieces of the field pieces.

No. 61,285. Acetylene Gas Generator.

(Generateur de gaz acétyléne.)

James Grant Kerr, Niagara Falls, Ontario, Canada, 1st October, 1898; 6 years. (Filed 27th September, 1897.)

Claim. -1st. In a machine as described, a generator having a carbide receptacle, having means for adjusting same from outside of generator whereby to bring the alternate faces of the carbide in position to receive the water spray, for the purposes described. 2nd. In a machine of the class described, a generator having a water drop and a carbide holder adapted to be turned to bring alternate surfaces of the carbide in position to receive the water drop, for the purposes of the carmine in position to receive the water drop, for the purpose, specified. 3rd. In a machine as described, a generator having a water supply, in combination with means for holding carbide, adjustable from the outside of the content of the adjustable from the outside of the generator, whereby alternate surfaces can be brought in line with the water supply without permitting the gas in the generator to escape, as set forth. 4th. In a machine as described, a generator having a jet water supply and a grated carbide holder, means for turning such holder to bring alternate surfaces of the carbide in line with the water supply, whereby the surfaces or one caronic in time with the water supply, whereove consists from one surface can be dumped, as a new surface is brought into water contact, as specified, 5th. In a machine as described, a generator having a water flow, a carbide holder and means for adjusting the holder to dump the ash from one surface of the carbide and simultaneously bring a fresh carbide surface to receive the water Claim.—A device for converting rotary motion to a reciprocating movement, comprising a shaft Λ connected to the source of power, a disc a, mounted at the end of said shaft, diagonal grooves a^{\dagger} , formed on the face of said disc, said grooves extending at right angles to each other, angular plates a^{2} , secured to the face of said disc and extending over the sides of said grooves, said plates having for rocking the holder from the outside of the generator to bring