April 23, 1929. J. ACOSTA 1,710,465

CABINET FOR RADIOS AND PHONOGRAPHS

Filed July 7, 1927

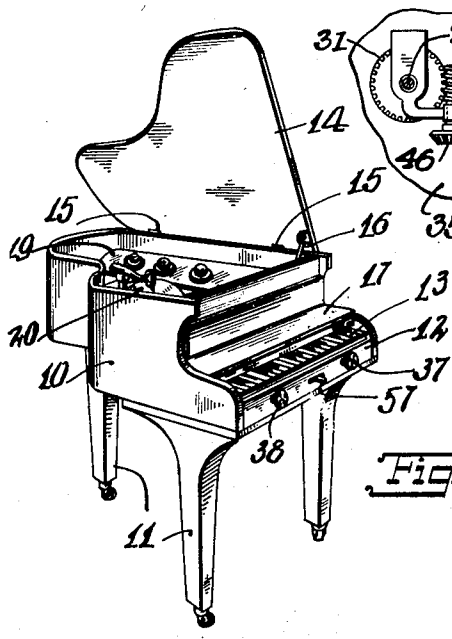


Fig. 1.

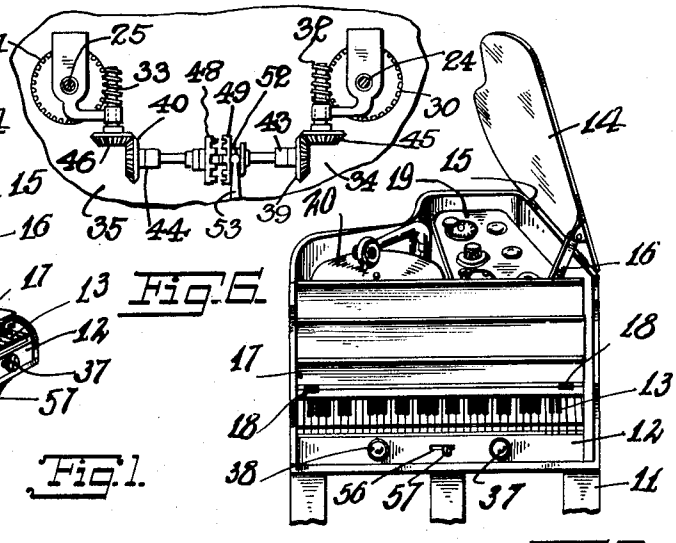


Fig. 2.

Fig. 6.

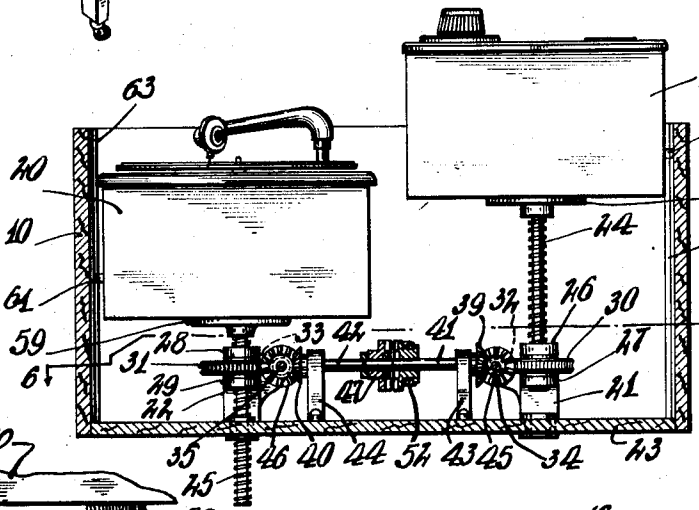


Fig. 3.

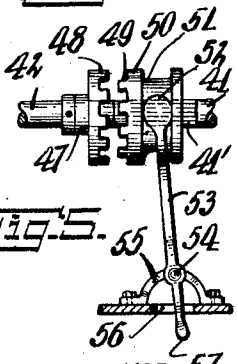


Fig. 5.

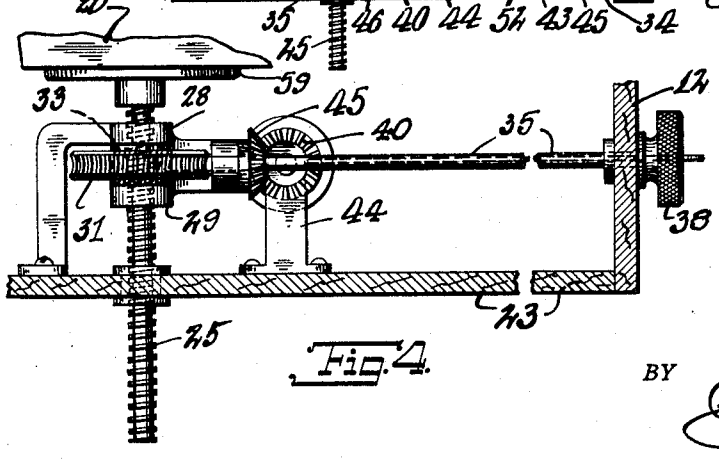


Fig. 4.

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UNITED STATES PATENT OFFICE.

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CABINET FOR RADIOS AND PHONOGRAPHS.

Application filed July 7, 1927. Serial No. 204,132.

This invention relates to a combination cabinet for a radio set and phonograph, particularly adapted for use as household furniture.

The object of the invention is to provide a combination cabinet designed to represent a baby grand piano.

A further object of the invention is to provide a combination cabinet comprising a mechanism adapted to elevate the radio set and phonograph contained therein.

Fig. 1 is a front perspective view of my improved combination cabinet.

Fig. 2 is a top perspective view thereof.

Fig. 3 is an enlarged transverse sectional view thereof, illustrating in particular the mechanism adapted to elevate the radio set and phonograph.

Fig. 4 is a fragmentary sectional view illustrating the means of operating the elevating mechanism embodied therein.

Fig. 5 is a detail view of the elevating clutch mechanism as embodied in my improved combination cabinet.

Fig. 6 is a reduced fragmentary horizontal sectional view, taken on the line 6—6 of Fig. 3.

As here embodied my improved combination cabinet comprises a cabinet designed to represent a baby grand piano 10 provided with the usual legs 11, key board 12, keys 13, and a cover 14, hinged thereto, as at 15. The cover 14, is adapted to enclose or cover the interior of the baby grand piano 10, and is provided with the usual supporting member 16, adapted to hold the cover 14, in an open position. The baby grand piano 10, is also provided with the usual front cover 17, hinged thereto, as at 18, and adapted to enclose or cover the keys 13 and the key board 12.

It will be understood that the interior of the baby grand piano 10 does not contain the usual mechanical components of the usual piano.

As here embodied the mechanism adapted to elevate the radio set 19, and the phonograph 20, comprises brackets 21 and 22, positioned in the interior of the baby grand piano 10, and attached to the base member 23, thereof. The brackets 21 and 22, are provided with vertical apertures having threads formed therein, adapted to rotatively support the screw members 24 and 25, respectively. The brackets 21 and 22, are provided with lug elements 26, 27 and 28 and 29, respectively, positioned so as to provide intermediate openings, adapted to receive the worm gears 30 and 31, provided with axial threaded apertures, adapted to receive the above mentioned screw members 24 and 25, respectively. The worm gears 30 and 31, mesh with the worm wheels 32 and 33, respectively, attached to the operating shafts 34 and 35, respectively. The operating shafts 34 and 35, are rotatively mounted in the brackets 21 and 22, respectively, and extended through apertures formed in the key board 12 of the baby grand piano 10. The knobs 37 and 38, are attached to the shafts 34 and 35, and are positioned adjacent to, and at the exterior of the key board 12.

The bevel gears 39 and 40, are attached to the shafts 41 and 42, respectively, rotatively mounted in the brackets 43 and 44, respectively, attached to the base member 23, of the baby grand piano 10. The bevel gears 39 and 40, mesh with similar bevel gears 45 and 46, respectively, attached to the operating shafts 34 and 35, respectively. The shafts 41 and 42, are positioned in alignment, in the same horizontal plane, and have their free extremities in close proximity. The clutch member 47, is attached to the free extremity of the shaft 42, and is provided with radial openings 48, adapted to be slidably engaged by the radial teeth 49 of the clutch member 50. The clutch member 50, is slidably mounted on the free extremity of the shaft 41. The free extremity of the shaft 41, is splined as at 41′ adapted to engage in a similar splined axial aperture formed in the clutch member 50, so as to permit the clutch member 50 to drive or rotate the shaft 41. The clutch member 50 is provided with a co-axial groove 51 adapted to receive the enlarged extremity 52, of the clutch lever 53. The clutch lever 53 is pivotally attached, intermediately thereof, as at 54, to the bracket 55, attached to the inside of the key board 12. The clutch lever 53, extends through an elongated aperture 56 formed in the key board 12, and is provided with an enlarged free extremity 57, or handle element.

The plate members 58 and 59, are provided with axial openings, formed, at the bottom thereof, adapted to receive the upper extremities of the screw members 24 and 25, respectively. The plate members 58 and 59, are adapted to support the radio set 19 and the phonograph 20, which are placed there-

on. The radio set 19 and the phonograph 20, have attached thereto, and extended therefrom, finger members 60 and 61, respectively, adapted to slidably engage in vertical guide members 62 and 63, respectively, attached to the interior of the baby grand piano 10, as a means of holding the radio set 19, and the phonograph 20, in a non-rotatable position, when the said radio set 19 and phonograph 20 are elevated or lowered.

The foregoing described construction being such as will permit the radio set 19 and the phonograph 20 to be elevated separately, from the interior of the baby grand piano 10, so as to be exposed to view and positioned so as to be accessible for use. It should be understood that the radio set 19 may be elevated, and the phonograph 20 lowered, or vice versa, when the above mentioned clutch members 47 and 50 are engaged.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent of the United States is as follows:

In a combination radio and phonograph cabinet, a worm gear connected for raising or lowering a radio set upon rotation in one or in the other direction, a second worm gear connected for raising or lowering a phonograph upon rotation in one or in the other direction, a shaft rotatively mounted and provided with a worm pinion meshing with the first worm gear, a second shaft rotatively mounted and provided with a second worm pinion meshing with the second worm gear, a bevel gear fixed on each of the said shafts, a pair of aligned shafts rotatively mounted, a third bevel gear on one of the said aligned shafts, meshing with the bevel gear on the said first shaft, a fourth bevel gear on the other of the said aligned shafts, meshing with the bevel gear on the said second shaft, and a clutch for connecting the aligned shafts, so that the first shaft may be turned for operating the first worm gear alone, or the second shaft may be turned for operating the second worm gear alone, or either the first or second shafts may be turned for simultaneously operating the worm gears.

In testimony whereof I have affixed my signature.

JOSÉ ACOSTA.