

Mechanical Music Registry Project

National Automatic Music Company Piano Database Report

Indexed by Serial Number

Tuesday, November 28, 2017

Originating data for this listing collected by Andrew Barrett and Dana Johnson.

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Total items listed in this report: 18

Style Notes: 1. Plays equals the number shown on the camshaft operated play counter.

2. Piano estimated manufacturing/shipping dates are guesstimated using a Holtzer-Cabot motor serial number, which might be a useful approximation if the piano has the originally installed Holtzer-Cabot motor. However, this methodology does not account for exchanged or replaced motors, and so the motor date may not bear any relationship with the actual manufacturing or shipping date of the piano.

S/N	Model	Case Finish	Plays	Motor S/N	Est. Year
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240	Standard case, stepped front cover, and retrofit Whippet Race	Green Pinstriped	83368		----
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Instrumentation: Piano. (32 note piano mid-section. Greenish Gray plate. Raised brand lettering on elevated oval cartouche.)

Stack Type: 3-tier Simplex semi-enclosed stack without a front cover mounted spill valve. Stack Number: 251354

Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot.

Revolver Controls: Square foot with circular pedestal casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a circular hub attached to the sprocket face. Tooth clutch for belt pulley: Four separate cast iron bearing posts.

Revolver Magazine: Fixed axis; Straight spokes; Wood belt pulley; Removable feed spool; Steel spring-barrel rewind with fan governor.

Pump Type: Late aluminum frame rotary type square box pump, wood pulley.

Tune Indicator Wheel: Steel framework; chainfall goes straight down through hole in stack cover.

Randomizer Type: Geneva pinned drive wheel is on same shaft as the chain drive sprocket.

Art Glass: Clear glass with "Music Changed Weekly" sign.

Comments: Original Simplex balance-beam spill valve hole plugged and factory replaced with pot metal tilting yoke expression control; disintegrating pot metal part replaced by hardwood replica. Emerson motor, with original V-shaped leather belt, with a standard metal staple to hold ends together. 2814 stamped left inside of case at top. This instrument has not been retubed or rebuilt since it was shipped after its factory refurbishment and Whippet Race retrofit, and remains in playing condition. The four connecting straps for the pump bellows were replaced due to brittleness.

S/N	Model	Case Finish	Plays	Motor S/N	Est. Year
348	Standard case, stepped front cover, and retrofit Whippet Race	Quartered Oak		613304	1926

Instrumentation: Piano, with added automatic mandolin attachment. (32 note piano mid-section. Gold plate. Raised brand lettering on elevated oval cartouche.)

Stack Type: 3-tier Simplex semi-enclosed stack with front cover mounted spill valve.

Expression System: Simplex balance beam design (with coil spring balanced vent valve) with lock & cancel pneumatics.

Revolver Controls: Square foot with circular pedestal casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a circular hub attached to the sprocket face. Tooth clutch for belt pulley: Four separate cast iron bearing posts.

Revolver Magazine: Fixed axis; Straight spokes; Wood belt pulley; Non-removable feed spool; Early brass spring-barrel rewind system.

Pump Type: Late aluminum frame rotary type square box pump, wood pulley.

Tune Indicator Wheel: Cast iron structure; chainfall to countershaft and then straight down through hole in stack cover.

Randomizer Type: Geneva pinned drive wheel has intermediate spur gears between it and the chain drive sprocket.

Art Glass: Retrofitted with Automatic Whippet Race diorama.

Comments: Holtzer-Cabot Alternating Current Motor No. 613304; 110 Volt; 2.8 Amps; 1/8 HP; 950 RPM. Plate repainted. Originally equipped with an early revolver magazine with non-removable feed spool, but this was replaced during a recent restoration with a late magazine with curved spoke side-plates and a torsion spring rewind system to make it easier to change music rolls. An automatic mandolin attachment has been added, which is on when the vacuum control is soft. Case at least partially re-veneered, but there seems to be a depression in the veneer where the manual control knob for a muffler rail was once located.

794	Standard case, stepped front cover, and retrofit Whippet Race	Green Pinstriped	17405		-----
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Instrumentation: Piano. (32 note piano mid-section. Greenish Gray plate. Raised brand lettering on elevated oval cartouche.)

Stack Type: 3-tier Simplex semi-enclosed stack without a front cover mounted spill valve. Stack Number: 251387

Revolver Controls: Square foot with circular pedestal casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a circular hub attached to the sprocket face. Tooth clutch for belt pulley: Four separate cast iron bearing posts.

Revolver Magazine: Fixed axis; Curved spokes; Wood belt pulley; Removable feed spool; Steel spring-barrel rewind with fan governor.

Pump Type: Late aluminum frame rotary type square box pump, wood pulley.

Tune Indicator Wheel: Steel framework; chainfall goes straight down through hole in stack cover.

Randomizer Type: Geneva pinned drive wheel is on same shaft as the chain drive sprocket.

Art Glass: Retrofitted with Automatic Whippet Race diorama.

Comments: Original Simplex balance-beam spill valve hole plugged and factory replaced with pot metal tilting yoke expression control; disintegrating pot metal part replaced by hardwood replica. Emerson motor, with original V-shaped leather belt, with a standard metal staple to hold ends together. Last restoration work by current owner in 1972. In early 1930s this and another National on truck that factory was trying to sell for \$75 were sold to Riversite Hotel/later Fink Tavern.

S/N	Model	Case Finish	Plays	Motor S/N - Est. Year
1485	Standard case, stepped front cover, and retrofit Whippet Race Instrumentation: Piano. (32 note piano mid-section. Light Gold plate. Ornate calligraphic branding on non-branded plate.) Stack Type: 4-tier Simplex semi-enclosed stack with front cover mounted spill valve. Expression System: Simplex balance beam design (with coil spring balanced vent valve) with lock & cancel pneumatics. Revolver Controls: Square foot with circular pedestal casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Four separate cast iron bearing posts. Revolver Magazine: Fixed axis; Straight spokes; Wood belt pulley; Removable feed spool; Steel spring-barrel rewind with fan governor. Pump Type: Late aluminum frame rotary type square box pump, wood pulley. Tune Indicator Wheel: Steel framework; chainfall goes straight down through hole in stack cover. Randomizer Type: Geneva pinned drive wheel is on same shaft as the chain drive sprocket. Art Glass: Clear glass with "Music Changed Weekly" sign. Comments: Serial number in photograph is blurry, but it is a four digit number and best cooperative guess is 2353. Motor missing. Whippet race not in piano and may be missing. Piano plate has beautifully ornate lettering for "National Automatic Music Co., Grand Rapids, Mich." Automatic Musical Instrument Company decal on "fallboard." Rough unrestored condition.	Green pinstriped		-----
6260	Standard National case design Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Expression System: National tilting yoke atmospheric port-bleed type control valve. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Pump Type: Early wood frame overhead crankshaft reciprocating pump. Art Glass: Clear glass replacement. Comments: On location in Svoboda's Nickelodeon Tavern circa the 1960s.	Quartered Oak		-----
x995	Standard case, with sloping front cover Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Expression System: National tilting yoke atmospheric port-bleed type control valve mounted in front of stack foot. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a triangular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Tune Indicator Wheel: Steel framework; chainfall diverts left around stack and then straight down. Comments: First digit of serial number unknown, probably 6 or 7. Presumed to be 6 for indexing purposes.	Quartered Oak		-----
7013	Standard case, with stepped front cover Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Pump Type: Late aluminum frame rotary type square box pump, wood pulley. Tune Indicator Wheel: Steel framework; chainfall diverts left around stack and then straight down. Comments: Piano case painted and in rough condition. Player system disassembled. Some parts may be missing. Original Holtzer-Cabot moter.	Quartered Oak		-----

S/N	Model	Case Finish	Plays	Motor S/N - Est. Year
7125	Standard case, with stepped front cover and inset glass panes Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Pump Type: Early wood frame overhead crankshaft reciprocating pump, metal pulley. Art Glass: Clear glass with "Music Changed Weekly" sign.	Quartered Oak		-----
7150	Standard National case design Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Expression System: Missing. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a triangular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Pump Type: Late aluminum frame rotary box pump. Art Glass: Clear glass with "Music Changed Weekly" sign. Comments: Unrestored, but appears to be mechanically complete. Missing coin slot mechanism behind faceplate, and the coin reject tray. One take-up spool loose in bottom of roll changer case extension. Original Holtzer-Cabot motor. This plus three other National coin pianos (all part of the Knott's Berry Farm collection) were sold in one lot on March 31, 2017 to a live floor bidder at the auction, for \$2,629.00 (including the 19.5% buyer's premium). Owner: ex Knott's Berry Farm (reported 5/29/2017)	Quartered Oak		-----
7173	Standard case, with stepped front cover and inset glass panes Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot. Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a triangular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Tune Indicator Wheel: Steel framework; chainfall diverts left around stack and then straight down. Art Glass: Clear glass replacement.	Quartered Oak		-----
7190	Standard National case design Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.) Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics. Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system. Pump Type: Missing. Art Glass: Clear glass with "Music Changed Weekly" sign. Comments: Rough unrestored condition. Has coin reject tray, but no coin slot faceplate mechanism, Missing lower case panels, the vacuum pump, and the motor. This, plus three other, National coin pianos (all part of the Knott's Berry Farm collection) were sold in one lot on March 31, 2017 to a live floor bidder at the auction, for \$2,629.00 (including the 19.5% buyer's premium). Owner: ex Knott's Berry Farm (reported 5/29/2017)	Quartered Oak		-----

S/N	Model	Case Finish	Plays	Motor S/N	Est. Year
7207	Standard National case design	Quartered Oak			----
Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.)					
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.					
Expression System: Missing.					
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.					
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.					
Pump Type: Late aluminum frame rotary box pump.					
Art Glass: Clear glass replacement.					
Comments: Unrestored with some apparent water damage, but appears to be mechanically complete. Missing coin slot mechanism behind faceplate, and the coin reject tray. This plus three other National coin pianos (all part of the Knott's Berry Farm collection) were sold in one lot on March 31, 2017 to a live floor bidder at the auction, for \$2,629.00 (including the 19.5% buyer's premium).					
Owner: ex Knott's Berry Farm (reported 5/29/2017)					
7274	Standard case, with stepped front cover	Quartered Oak			----
Instrumentation: Piano, with muffler rail converted to mandolin attachment. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.)					
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.					
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.					
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.					
Pump Type: Late aluminum frame rotary type square box pump, metal pulley.					
Art Glass: Clear glass replacement.					
Comments: Motor and coin receptacle box missing.					
7352	Standard case, with retrofit Whippet Race Diorama	Quartered Oak		520587	1925
Instrumentation: Piano, manually operated mandolin attachment. (Gold plate. Black painted raised brand lettering on flat area.)					
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.					
Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot.					
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a triangular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.					
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.					
Pump Type: Late aluminum frame rotary box pump.					
Randomizer Type: Geneva gear on same shaft as chain drive sprocket.					
Art Glass: Clear glass with "Music Changed Weekly" sign.					
Comments: Fallboard decal "Property of Autolmatic Musical Instrument Co. Grand Rapids, Mich." Holtzer-Cabot motor #520587, 110 Volt, 1150 RPM, estimated 1925 vintage. Instrument restored by Dick Hack.					

S/N	Model	Case Finish	Plays	Motor S/N - Est. Year
7504	Standard National case design	Quartered Oak		374490 1921
Instrumentation: Piano. (Gold plate. Black painted raised brand lettering on flat area.)				
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.				
Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot.				
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 3 clutch engagement pins protruding from a triangular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.				
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.				
Pump Type: Late aluminum frame rotary type square box pump, wood pulley.				
Comments: Holtzer-Cabot motor, 60 Cycle, Size 18, 1150 RPM, 1/8 HP, S/N #374490				
7524	Standard case, with stepped front cover	Quartered Oak		-----
Instrumentation: Piano, with muffler rail. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.)				
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.				
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.				
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.				
Pump Type: Late aluminum frame rotary type square box pump, wood pulley.				
Tune Indicator Wheel: Cast iron structure; chainfall diverts left around stack and then straight down.				
Art Glass: Clear glass replacement.				
Comments: No felt on muffler rail. Original Holtzer-Cabot motor.				
7535	Standard National case design	Quartered Oak		-----
Instrumentation: Piano. (30 note piano mid-section. Gold plate. Black painted raised brand lettering on flat area.)				
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.				
Expression System: National tilting yoke atmospheric port-bleed type control valve mounted on top of stack foot.				
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.				
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.				
Art Glass: Clear glass with "Music Changed Weekly" sign.				
Comments: Unrestored, but possibly still in playable condition. Original motor. Missing coin mechanism behind coin slot faceplate. This plus three other National coin pianos (all part of the Knott's Berry Farm collection) were sold in one lot on March 31, 2017 to a live floor bidder at the auction, for \$2,629.00 (including the 19.5% buyer's premium).				
Owner: ex Knott's Berry Farm (reported 5/29/2017)				
7823	Standard National case design	Quartered Oak		-----
Instrumentation: Piano. (Gold plate. Black painted raised brand lettering on flat area.)				
Stack Type: National 3-tier common stack with 71 front facing unit valves/pneumatics.				
Expression System: National tilting yoke atmospheric port-bleed type control valve.				
Revolver Controls: Common rectangular die-casting that supports worm gear and Rewind/Play clutch assembly. Clutch chain sprocket has 6 clutch engagement pins protruding from a circular hub attached to the sprocket face. Tooth clutch for belt pulley: Die-casting with inclusive four bearing support.				
Revolver Magazine: Fixed axis; Curved spokes; Metal belt pulley; Removable feed spool; Late coiled torsion spring rewind system.				

End of Report - Total items listed in this report: 18