

Monarch's Pearl
Porcelain Enamel
Finishing Process.

Continuous Firing
Electric Enameling
Furnace.

Monarch
MALLEABLE

Full Porcelain Enamel, Malleable Range Series.

With the development of new porcelain enamel finishes, tinted and grained patterns, and the increasing popularity of full porcelain products, the MONARCH Enameling Department has been required to constantly increase production facilities.

The latest addition to this important department is a Continuous Electric Enameling Furnace, with an electric current demand of 400 KW--240 volts--3 phase. The preheating and cooling chambers are 45 feet long. The total length of the furnace is 55 feet. The preheating chambers are inclined, bringing the elevation of the firing chamber floor several feet above the floor level, thus providing a heat seal for firing chambers.

The Electric Heating Elements which provide this intense heat are made of heavy Nichrome Ribbon, suspended on special porcelain hangers. Range parts are sprayed and then hung on the carrier racks in front of the furnace. These racks are suspended on an endless chain belt which travels through the furnace at a controlled rate of speed. Firing time and temperature are accurately and automatically maintained to produce uniform results. Enameled parts are thus exposed to heat at a slowly rising temperature, fired at top heat 1400° for required time and then leave the firing chambers at a slowly lowering temperature. Remarkable speed in production is attained in this manner, also uniform results and



a saving in cost are assured, benefiting the retailer as well as the purchaser of MONARCH products.

The attractive, new Pearl Enamel finishes are produced by a reproduction process on the finished enamel coat similar to china firing. After the enamel parts have first been dipped and baked, then sprayed and baked, the finish coat is sprayed on. Then with a rubber roller, the

pearl pattern is applied to the final coat before receiving its last firing. The finished product is a beautiful Mother-of-Pearl pattern in either Platinum or Ivory Pearl.

The 796, 896, 696 and 176 Series of MONARCHS, finished in full porcelain enamel, are the results of this improved enameling process. Detailed specifications and illustrations of these models appear on the following pages.



Model No. 796XW

MONARCH

706 DeLuxe Series, Balanced Design, Full Porcelain Enamel Front,
Four-Wall Construction.

Specifications of this Series appear on page 24.

MONARCH MALLEABLE RANGE

**706 DeLuxe Series, Balanced Design, Full Porcelain Enamel
Front, Four-Wall Construction.**

All Ranges of this series are standard MONARCH Malleable four-wall construction. Balanced Design embodying a Room Heater Feature. Cold air enters lower right end of range body. Heated air passes off at rear of warming compartment. Other standard features are: Vitrified Rust Resisting Flues, Mirco Process Polished Top, Dust Tight Firebox Front, Duplex Draft, Duplex Grates, Oven Thermometer, Concealed, Positive Catch Door Handle. Finished in full enamel Ivory-Pearl with Ivory Trim or All White with Mircobrite Trim, a durable Porcelain Enamel armor, in addition to the standard quality steel body. All bright parts are protected with "Mircobrite" a brilliant tarnish-proof finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
796PW	High Shelf, Waterfront	Full White	19x21	Fail	550
796PTP	High Shelf, Waterfront	Ivory-Pearl	19x21	Farce	550
796XW	High Shelf	Full White	19x21	Fault	540
796XTP	High Shelf	Ivory-Pearl	19x21	Favor	540

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 43 inches.

Illustrations of this Series appear on pages 23 and 25.



Model No. 796CTP

MONARCH

706 De Luxe Series, Balanced Design, Full Porcelain Enamel Front,
Four-Wall Construction.

MONARCH MALLEABLE RANGE

**706 DeLuxe Series, Balanced Design, Full Porcelain Enamel
Front, Four-Wall Construction.**

All Ranges of this series are standard MONARCH Malleable four-wall construction. Balanced Design embodying a Room Heater Feature. Cold air enters lower right end of range body. Heated air passes off at rear of warming compartment. Other standard features are: Vitrified Rust Resisting Flues, Mirco Process Polished Top, Dust Tight Firebox Front, Duplex Draft, Duplex Grates, Oven Thermometer, Concealed, Positive Catch Door Handle. Finished in full enamel Ivory-Pearl with Ivory trim or All White with Mircobrite trim, a durable Porcelain Enamel armor, in addition to the standard quality steel body. All bright parts are protected with "Mircobrite", a brilliant tarnish-proof finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
796CW	High Shelf, Reservoir and Built-in Pouch Feed	Full White	19 x 21	Drone	530
796CTP	High Shelf, Reservoir and Built-in Pouch Feed	Ivory-Pearl	19 x 21	Duke	530
796FW	High Shelf, Reservoir	Full White	19 x 21	Duty	530
796FTP	High Shelf, Reservoir	Ivory-Pearl	19 x 21	Face	530

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 43 inches

Illustrations of this Series appear on pages 23 and 25.



Model No. 797CNP

MONARCH

707 De Luxe Series, Balanced Design, Full Porcelain Enamel Front,
Four-Wall Construction.

Specifications on back of sheet

MONARCH MALLEABLE RANGE

707 De Luxe Series, Balanced Design, Full Porcelain Enamel Front, Four-Wall Construction

All Ranges of this series are standard MONARCH Malleable four-wall construction. Balanced Design embodying a Room Heater Feature. Cold air enters lower right end of range body. Heated air passes off at rear of warming compartment. Other standard features are: Vitrified Rust Resisting Flues, Mirco Process Polished Top, Dust Tight Firebox Front, Duplex Draft, Duplex Grates, Oven Thermometer, Concealed, Positive Catch Door Handle. Finished in full enamel Ivory-Pearl with Ivory trim or All White with Mircobrite trim, a durable Porcelain Enamel armor, in addition to the standard quality steel body. All bright parts are protected with "Mircobrite", a brilliant tarnish-proof finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
797CW	High Shelf, Reservoir and Built-in Pouch Feed	Full White	19 x 21	Fish	530
797CNP	High Shelf, Reservoir and Built-in Pouch Feed	Nile-Pearl	19 x 21	Flint	530
797CTP	High Shelf, Reservoir and Built-in Pouch Feed	Ivory-Pearl	19 x 21	Flip	530
797FW	High Shelf, Reservoir	Full White	19 x 21	Flow	530
797FNP	High Shelf, Reservoir	Nile-Pearl	19 x 21	Fly	530
797FTP	High Shelf, Reservoir	Ivory-Pearl	19 x 21	Fog	530

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 43 inches

Illustration on back of this sheet



Model No. 896PTP

MONARCH

806 De Luxe Series, Conventional Type, Square Model, Full Porcelain Enamel Front, Four-Wall Construction.

Specifications of this Series appear on page 28.

MONARCH MALLEABLE RANGE

**806 De Luxe Series, Conventional Type, Square Model, Full Porcelain
Enamel Front, Four-Wall Construction**

All Ranges of this series are standard MONARCH Malleable four-wall construction, embodying all MONARCH features: Vitrifused Rust Resisting Flues, Mirco Process Polished Top, Dust Tight Firebox Front, Duplex Draft, Duplex Grates, Oven Thermometer and Concealed, Positive Catch Door Handle. Finished in full enamel Ivory-Pearl with Ivory Trim or Full White with Mircobrite Trim. A durable Porcelain Enamel armor in addition to the standard quality Steel body. All bright parts are protected with "Mircobrite", a brilliant tarnish-proof finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
876PW	High Shelf, Waterfront	Full White	17x21	Bugle	475
876PTP	High Shelf, Waterfront	Ivory-Pearl	17x21	Bulb	475
896PTP	High Shelf, Waterfront	Ivory-Pearl	19x21	Bump	488
876XW	High Shelf, Square	Full White	17x21	Burst	465
876XTP	High Shelf, Square	Ivory-Pearl	17x21	Bush	465
896XTP	High Shelf, Square	Ivory-Pearl	19x21	Beard	471

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 35 inches.

Illustration of this Series appears on page 27.



Model No. 696CWP

MONARCH

606 Series, Balanced Design, Full Porcelain Enamel Front,
Three-Wall Construction.

Specifications of this Series appear on page 30.

MONARCH MALLEABLE RANGE

606 Series, Balanced Design, Full Porcelain Enamel Front Three-Wall Construction

All Ranges of this series are standard MONARCH Malleable three-wall construction, Balanced Design, embodying a Room Heater Feature. Cold air enters lower right end of range body. Heated air passes off at rear of warming compartment. Other standard features are: Vitrified and Mirco Process Rust Resisting Flues, Mirco Process Polished Top, Duplex Draft, Duplex Grates, Oven Thermometer, Concealed, Positive Catch Door Handle. Finished in Ivory-Pearl or Platinum-Pearl with Nickel Trim, a durable Porcelain Enamel armor. All bright parts are protected with high grade nickel. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
696CWP	High Shelf, Reservoir and Built-in Pouch Feed	Platinum-Pearl	19x21	Dole	520
696CTP	High Shelf, Reservoir and Built-in Pouch Feed	Ivory-Pearl	19x21	Drain	520
696FWP	High Shelf, Reservoir	Platinum-Pearl	19x21	Dram	523
696FTP	High Shelf, Reservoir	Ivory-Pearl	19x21	Drape	523

TOP EQUIPMENT

All ranges in this series are equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 43 inches.

Illustrations of this Series appear on pages 29 and 31.



Model No. 696PTP

MONARCH

606 Series, Balanced Design, Full Porcelain Enamel Front,
Three-Wall Construction.

Specifications of this Series appear on pages 30 and 32.

MONARCH MALLEABLE RANGE

606 Series, Balanced Design, Full Porcelain Enamel Front Three-Wall Construction

All Ranges of this series are standard MONARCH Malleable three-wall construction, Balanced Design, embodying a Room Heater Feature. Cold air enters lower right end of range body. Heated air passes off at rear of warming compartment. Other standard features are: Vitrified and Mirco Process Rust Resisting Flues, Mirco Process Polished Top, Duplex Draft, Duplex Grates, Oven Thermometer, Concealed, Positive Catch Door Handle. Finished in Ivory-Pearl or Platinum-Pearl with Nickel Trim, a durable Porcelain Enamel armor. All bright parts are protected with high grade nickel. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
696PWP	High Shelf, Waterfront	Platinum-Pearl	19 x 21	Dress	536
696PTP	High Shelf, Waterfront	Ivory-Pearl	19 x 21	Drift	536
696XWP	High Shelf	Platinum-Pearl	19 x 21	Drip	525
696XTP	High Shelf	Ivory-Pearl	19 x 21	Drive	525

TOP EQUIPMENT

All ranges in this series are equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 43 inches

Illustrations of this Series appear on pages 29 and 31.



Model No. 176PWP

MONARCH

106 Series, Conventional Type, Square Model, Full Porcelain Enamel
Front, Three-Wall Construction.

Specifications of this Series appear on page 34.

MONARCH MALLEABLE RANGE

**106 Series, Conventional Type, Square Model, Full Porcelain Enamel
Front, Three-Wall Construction.**

All Ranges of this series are standard MONARCH Malleable three-wall construction, embodying the following MONARCH features: Vitrified and Mirco finished Rust Resisting Flues, MIRCO Process Polished Top, Duplex Draft, Duplex Grates, Oven Thermometer and Concealed, Positive Catch Door Handle. Finished in Ivory-Pearl or Platinum-Pearl with Nickel Trim, a durable full Porcelain Enamel finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

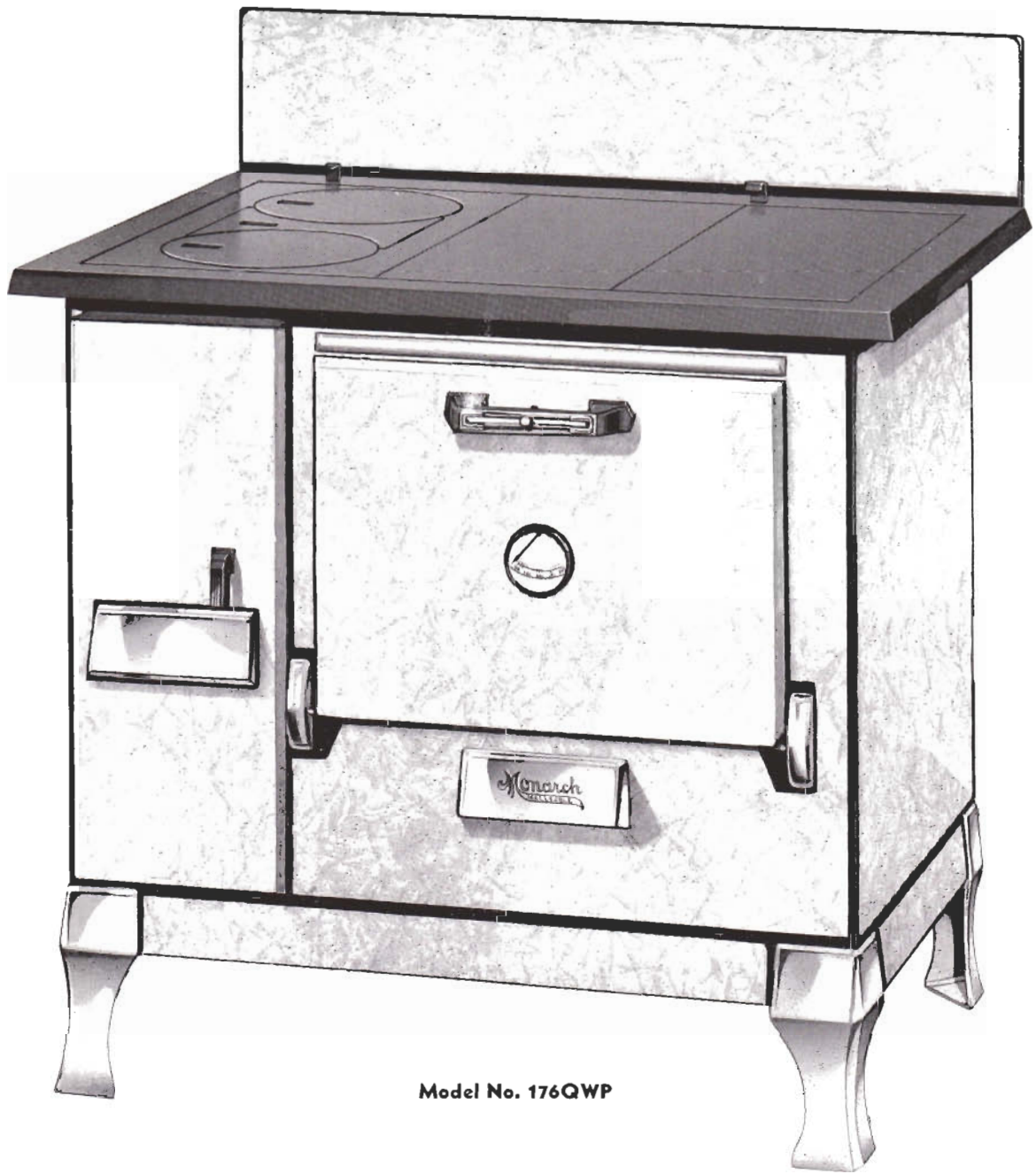
When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
176PWP	High Shelf, Waterfront	Platinum-Pearl	17 x 21	Baby	458
176PTP	High Shelf, Waterfront	Ivory-Pearl	17 x 21	Badge	458
176XWP	High Shelf, Square	Platinum-Pearl	17 x 21	Bait	445
176XTP	High Shelf, Square	Ivory-Pearl	17 x 21	Bark	445
176QWP	Low Splasher, Waterfront	Platinum-Pearl	17 x 21	Belt	420
176YWP	Low Splasher, Square	Platinum-Pearl	17 x 21	Berry	410

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 35 inches.

Illustrations of this Series appear on pages 33 and 35.



Model No. 176QWP

MONARCH

106 Series, Conventional Type, Square Model, Full Porcelain Enamel Front, Three-Wall Construction.

MONARCH MALLEABLE RANGE

**106 Series, Conventional Type, Square Model, Full Porcelain Enamel
Front, Three-Wall Construction.**

All Ranges of this series are standard MONARCH Malleable three-wall construction, embodying the following MONARCH features: Vitrifused and Mirco finished Rust Resisting Flues, MIRCO Process Polished Top, Duplex Draft, Duplex Grates, Oven Thermometer and Concealed, Positive Catch Door Handle. Finished in Ivory-Pearl or Platinum-Pearl with Nickel Trim, a durable full Porcelain Enamel finish. Firebox equipped with linings and duplex grates especially designed for coal or wood.

DETAILED SPECIFICATIONS

When ordering refer to this table for numbers and code words

Order Number	Equipment	Color	Oven Size	Code Word	Shipping Weight
176PWP	High Shelf, Waterfront	Platinum-Pearl	17 x 21	Baby	440
176PTP	High Shelf, Waterfront	Ivory-Pearl	17 x 21	Badge	440
176XWP	High Shelf	Platinum-Pearl	17 x 21	Bait	430
176XTP	High Shelf	Ivory-Pearl	17 x 21	Bark	430
176QWP	Low Splasher, Waterfront	Platinum-Pearl	17 x 21	Belt	420
176YWP	Low Splasher	Platinum-Pearl	17 x 21	Berry	410

TOP EQUIPMENT

All ranges in this series equipped with two 8 inch lids and two solid plates.
Top dimensions, 25 x 35 inches.

15 1750

Catalog
No. 36A



Monarch
MALLEABLE

COAL-WOOD RANGES

Manufactured by

MALLEABLE IRON RANGE COMPANY

BEAVER DAM, WISCONSIN