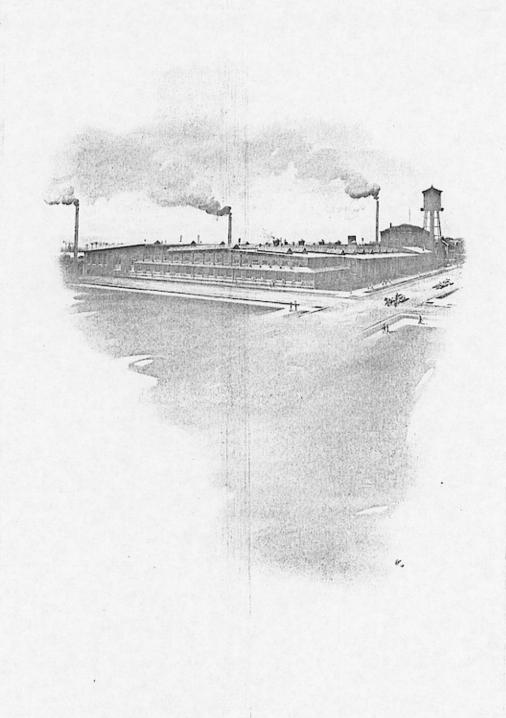
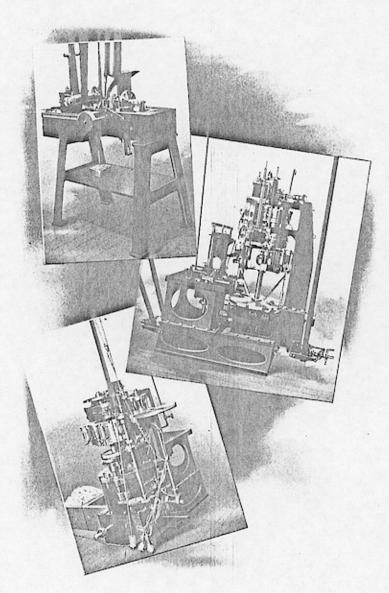


THE plants of The Western Clock Manufacturing Company are located in the Twin Cities of La Salle and Peru, 100 miles southwest of Chicago at the junction point of the Lake Michigan Canal and the Illinois River, and on the Rock Island, Illinois Central, and Burlington Railroads.

Situated at the head of the Illinois soft-coal district and in La Salle County, the fifth richest county in the United States for the value of its farm products, the Twin Cities number about 20,000 inhabitants, and include, besides the establishments of The Western Clock Manufacturing Company and two of the most important zinc mills in the country, several cement plants and some large agricultural implement factories.





Automatic Machinery Invented, Designed, and Built by The Western Clock Manufacturing Company





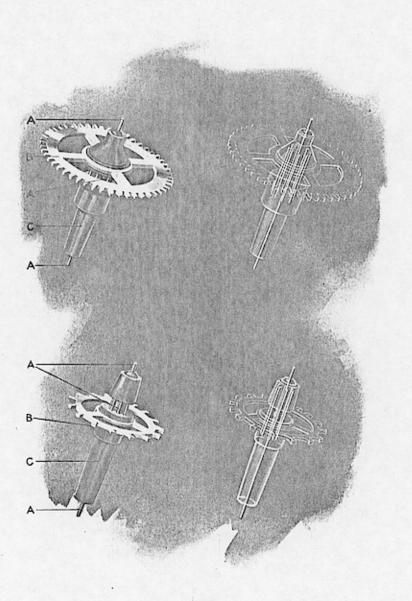
HE growth of the American Clock Industry during the last fifteen years has been little short of marvelous: slightly over four million dollars in 1890, the value of the total output had increased to nearly nine millions in 1905, and the returns for 1906 approached the ten-million mark. In this

same lapse of time, every year, with the exception of the critical '93, set a new record, and the total production of the different clock companies is estimated today at over thirteen million clocks a year.

This remarkable success is due to the far-sighted policy of American manufacturers, which has been principally one of standardization and enormous outputs, decreased production cost and increased consumption.

In clocks, as in all other lines of goods, there are two classes of consumers—the millions and the millionaires. American manufacturers were quick to see what the foreign producer did not seem to perceive: that the millionaires are a negligible quantity as consumers, and that, not chronometers—not marvels of intricacy and originality were needed, but timepieces within the reach and want of all. One has still to go to Europe for chronometers or split-second timepieces, but in the production of ordinary clocks adapted to the needs and means of the millions, America produces results of remarkable excellence.

II III IIII V VI VII VIII IX X XI XII



Outside and Sectional View
Western Clock Fourth and Escape Wheels (magnifed)
A Hard Steel B Hard Brass C Casting Alloy

I II III V VI VII VIII IX X XI XII

It is in the manufacture of alarm and one-day clocks that these are the most noticeable, because in this field the quality of the product had always been subordinated to the market value, and the general feeling was one of "let good enough alone." In this particular branch of the clock industry no achievement compares with that of The Western Clock Manufacturing Company, which, coming into existence in 1886, has in twenty years forged to the front of American clock companies, and with their Western Clock Process revolutionized the accepted methods of clock manufacturing.

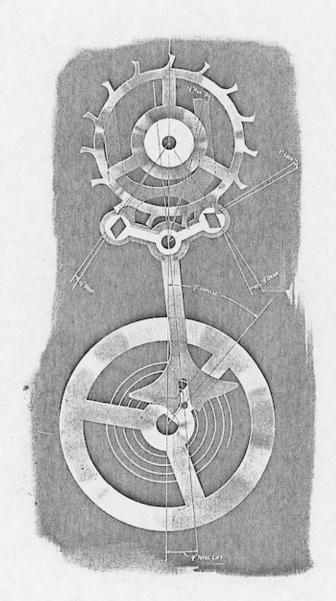
The Western Clock Manufacturing Company went one step farther in the problem of standardization than their predecessors. Their policy was one of highly specialized production, that of alarm and one-day lever clocks; and with practically two different articles only, known as the 4-inch and 2-inch movements, they have built up a yearly output of nearly two million clocks.

The aim of The Western Clock Manufacturing Company in entering the manufacture of alarms was to apply to nickel clocks features which were previously found only in high-priced timepieces, and prohibited in lowpriced lever clocks by the high cost of production involved.

Instead of staking together the components of a clock part as was usually done—for instance, in a wheel, the pivot, the pinion, and the wheel itself—they planned to cast, or, so to speak, to cement these together with an alloy made of lead, tin, and antimony. This problem successfully solved, they endeavored to replace all the hand labor employed in the manufacture of the different parts, first by hand-power machines and later by automatic machines, one of which is illustrated on page four. This remarkable machine-tool, only one of the many invented, designed, and built by The Western Clock Manufacturing Company, casts together in one revolution a complete pinion wheel—the work of five different operations with the staking process.

The superiority is obvious. With the old method, the great number of operations and the large amount of hand work that entered into the making of a single part caused a certain percentage of defective work which only the closest inspection could eliminate. The Western Clock Process was

I II III III V VI VII VIII IX X XI XII



The Western Clack Hard Steel Pallet Escapement

II III IIII V VI VII VIII IX X XI XII

very simple, and the extreme fineness of the dies and moulds insured absolute accuracy in the operations its automatics performed.

There were, however, many other advantages to the Western Clock Process. In the manufacture of a clock wheel by the old method, a pinion had to be staked on a staff, then a wheel on this mounted pinion, and in these two operations such a pressure was exerted on the staff that a relatively thick wire had to be used for the latter. This wire being too thick to allow the movement to run freely, the extremities that come in contact with the plates had to be pivoted—i. e., turned and polished—and to make this operation within a reasonable cost, soft or Bessemer steel was invariably used.

In the Western Clock Process the pivot, pinion, and wheel were joined together by an automatic casting operation in which no strain was exerted on the pivot, and it was therefore possible to use for the latter a piano wire of very hard steel and extreme thinness, so thin indeed (21-thousandths of an inch in diameter) that it need not be turned and so highly finished that it required no polishing.

These pivots being very thin, extremely hard and highly polished, generated no friction and absorbed no motive force; they demanded a less powerful mainspring, which reduced train wear to a minimum and increased clock life to a maximum.

But it was in the escapement—the heart of the clock—that the superiority of the Process was mostly in evidence. There again quality had been subordinated to production cost; the pallet escapement, generally found in accurate timepieces, had been early abandoned in one-day clocks on account of the extreme care and expense it involved and replaced by the pin lever escapement, a poor substitute at its best.

The Western Clock Manufacturing Company applied again their Casting Process; they produced a machine which eliminated human skill and defects—a tool so complete that in one operation it mounted on a brass lever two hard steel pallets at an angle of 23 degrees and a hard steel pivot 21-thousandths of an inch thin—so simple that the only human labor it required was

							- 1	7 C. P. St. C. L. St. C.			
I	11	III	IIII	V	VI	VII	VIII	IX	X	XI	XII
Benedicina	All Santage	White de action	STREET, STREET, STREET,	Administration of the							the same of the same of

that of feeding-so accurate that it has never been known to produce an untrue part!

This lever was coupled with a clubbed tooth escape wheel, to the cutting of which extreme care had been given, and the result was the production of a detached lever escapement with hardened and polished pallets at a nominal cost.

The "lock" and the "draw," the "drop" and the "run," which are clear power-loss, were reduced as much as is consistent with safety and freedom of action. The "lifting arc" was also made very small so as to further avoid any possible irregularity in the transmission of motive force.

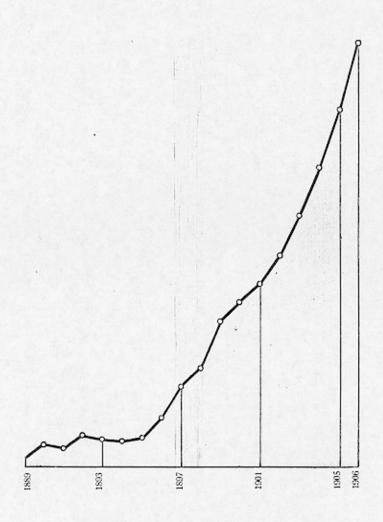
The impulse given to the balance wheel was therefore unusually strong, and the initial energy of the motor (the mainspring) reached the regulator (the balance wheel) with an insignificant friction-loss and the utmost uniformity.

This escapement is identical with the Straight Line Lever Escapement found in the most accurate timepieces, with the exception of the roller, which in the Western Clock construction is replaced by a slot in the balance staff—a truly remarkable escapement jn such an article.

The Western Clock Manufacturing Company had not only succeeded in producing a better alarm clock, but in the concentration that followed the experimental years, they reduced the production cost to such an extent that the AMERICA, the pioneer and leading exponent of the Western Clock Process, can be offered today for half the price that alarm clocks were sold at when The Western Clock Manufacturing Company entered the field.

Still the mechanical difficulties overcome by the Company were slight in comparison with the obstacles they encountered among the trade; the Western Clock Process was scoffed at and ridiculed—competitors jeered and sneered; then perceiving its importance, easily spread over the country a strong prejudice against "Lead Clocks," as Western clocks had been dubbed from the alloy used in the process.

District to	THE PERSON NAMED IN COLUMN	CHARLEST OF STREET				Mark Street					
I	II	III	IIII	v	VI	VII	VIII	IX	X	XI	XII



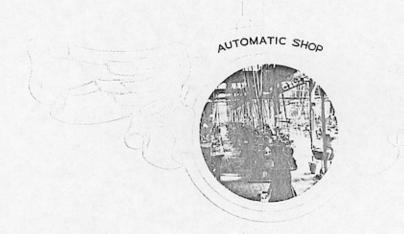
Graphic Illustration of the Increase in the Annual Production of The Western Clock Manufacturing Company

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							VIII				
											and the second second second

The Western Clock Manufacturing Company paid little heed: they kept on applying, improving, extending their methods. Their clock dials soon spoke the truth: slowly at first, and then by leaps and bounds, they saw their output increase from 50 clocks a day in 1886 to nearly 6,000 in 1907, their staff from 25 to 600, their factory from 2,000 square feet to over 80,000.

The story of The Western Clock Manufacturing Company is not only one of American industrial methods, but also typical of a few men whose ability and energy, faith and loyalty, insure permanent success in individuals and corporations.

-Modern Clock Making.



THE WESTERN CLOCK MFG. COMPANY

### INSTRUCTIONS

ALARM clocks are invariably sold in case lots of fifty. We will not fill orders for smaller quantities, unless your jobber does not handle our goods.

Whenever a clock is made with or without alarm and order fails to mention style wanted, clocks will be shipped without alarm.

Always specify finish wanted when ordering: Ormolu Gold for clocks finished in mat gold with burnishing; Silver Gray for clocks finished in silver and oxidized; Pompeian Bronze for clocks finished in dark green with lighter green tracings; Viennese Bronze for clocks finished in brown with green vignettings.

If a clock is made in several finishes and order fails to state kind wanted, the Ormolu Gold Finish will be supplied.

Compiled and Arranged by the Department of Publicity of the Western Clock Mfg. Co.



Designed, Engraved and Printed by Rogers & Company Chicago and New York

# TATE WESTERN CLOCK MANUFACTURING COMPANY



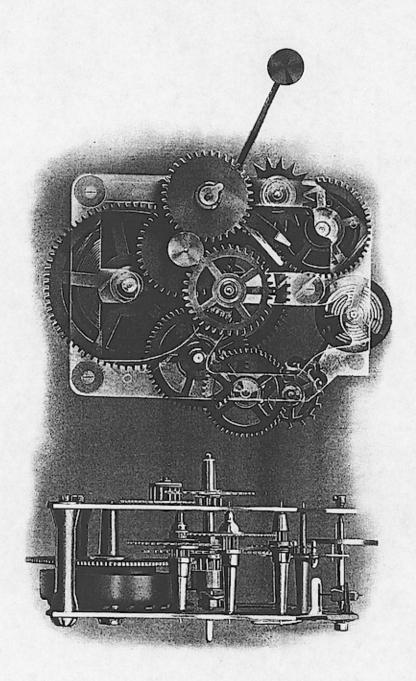
# The WESTERN CLOCK MANUFACTURING COMPANY COMPANY



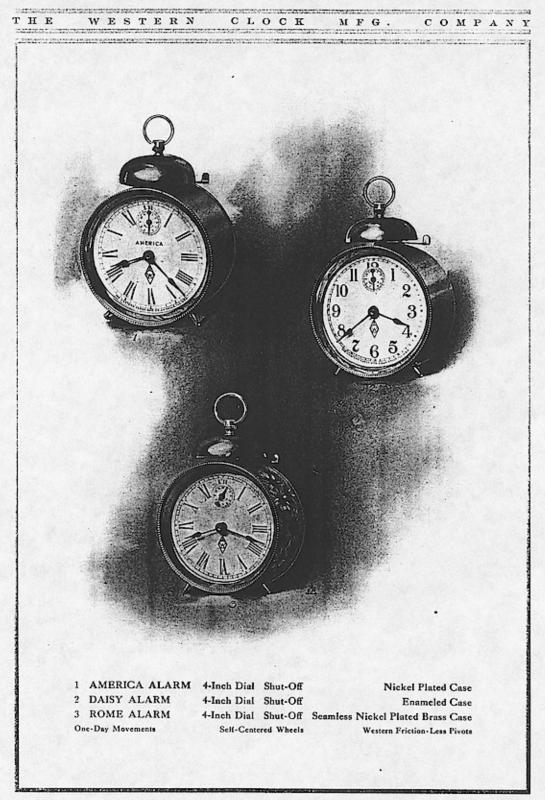
Main Office and Factory
LA SALLE ILLINOIS U·S·A·
NEW YORK CHICAGO
51 53 Maiden Lane 131 133 Wabash Ave

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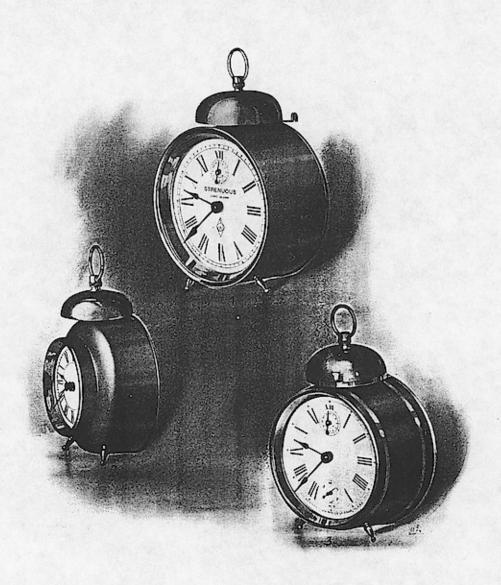
XI XII



The Western Clock 4-Inch Movement



MFG. COMPANY THE WESTERN CLOCK



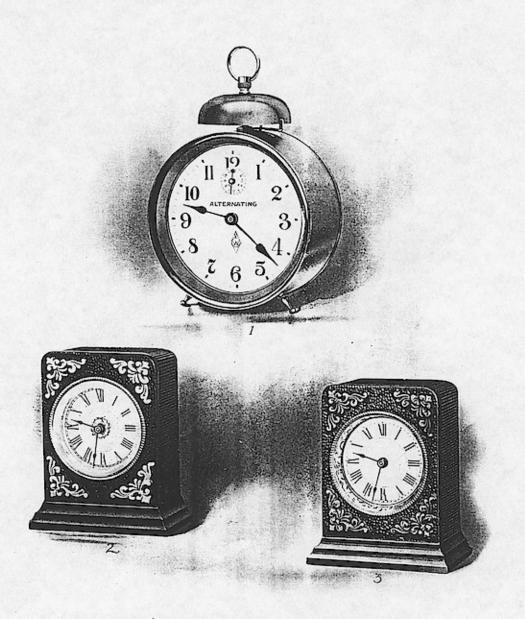
- 1 STRENUOUS LONG ALARM 41/2-Inch Dial Nickel Plated Case, 5-Minute Ring, Shut-Off
- 2 LA REINE ALARM
- 3 -Inch Dial Nickel Plated Brass Case
- 3 O. K. ALARM
- 3 -Inch Dial Polished Brass Case
- 41/2-Inch Dial Nickel Plated Brass Case, Second Hand

One-Day Movements

Self-Centered Wheels

Western Friction-Less Pivots

WESTERN CLOCK MFG. COMPANY THE

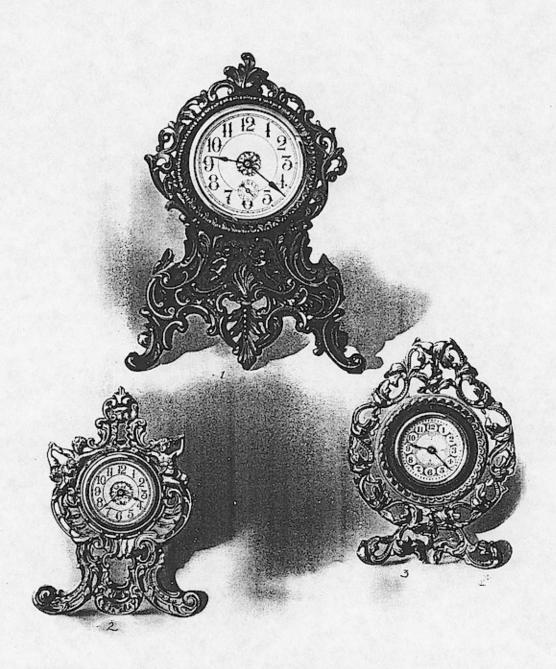


- 1 ALTERNATING ALARM
- 3 F. W. BRONZE ALARM

Shut-Off One-Day Movements

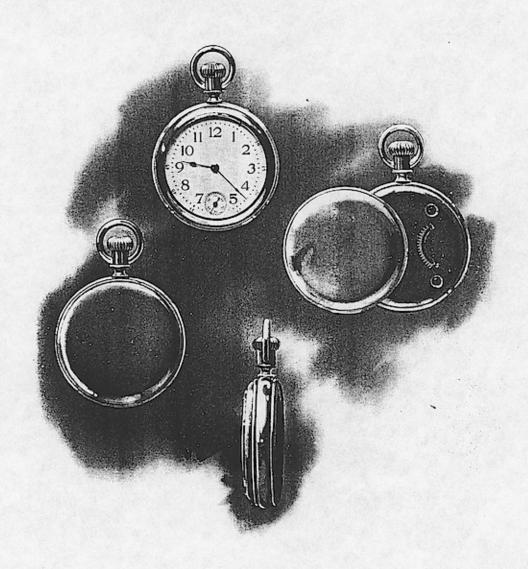
Rings and stops alternately for 15 min. at intervals of 20 sec. 41/2-Inch Dial Nickel Plated Case 2 F. W. GOLD ORN. ALARM Ivorine Dial, Polished Brass Back, Cast-Iron Case Long Loud Ring Height, 5 In. Weight, 21/2 lbs. Paper Dial, Nickel Plated Back, Cast-Iron Case Long Loud Ring Height, 5 In. Weight, 23/5 lbs. Self-Centered Wheels Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



1	VIGILANT	Height,	1134	Inches	Long or Intermittent Alarm Gilt Center, Shut-Off	Ivorine Dial
2	WINNER	Height,	9	Inches	With or without Alarm Gilt Center	Ivorine Dial
3	CHAMPION	Height	9	Inches	With or without Alarm	

THE WESTERN CLOCK MFG. COMPANY



### THE AMERICAN

Stem-Wind and Stem-Set Watch

16 Size Weight, 3 oz.

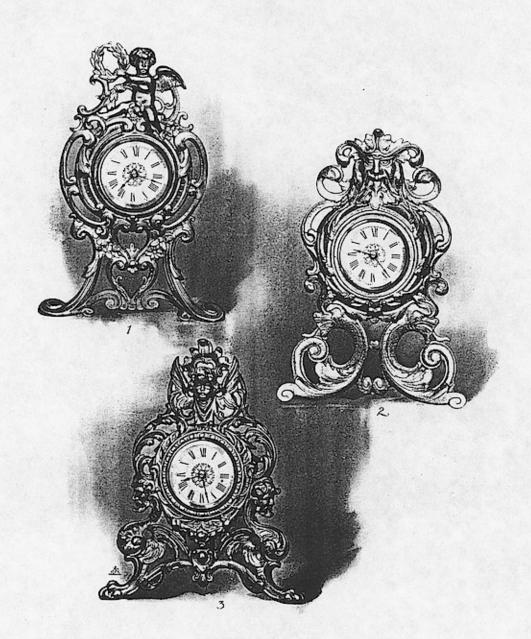
Snap Back

Second Hand

Self-Centered Wheels

Double Dust-Proof Cover Double Roller Escapement Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY

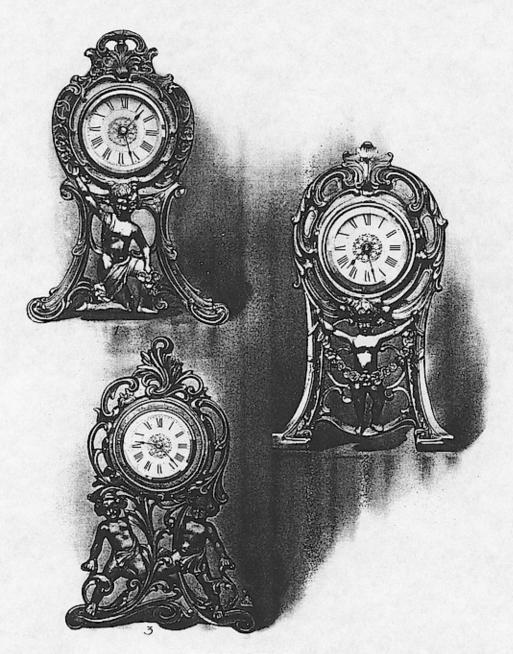


### TRUMP SERIES

1	SUPERB	11 Inches High	Gold Plated	With or without Alarm
2	MAJESTIC	11 Inches High	Gold Plated	With or without Alarm
3	IMPERIAL	11 Inches High	Gold Plated	With or without Alarm

Cast-Iron Frames Three-Inch Roman or Arabic Ivorine Dials Beveled Crystals One-Day Movements Self-Centered Wheels Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY

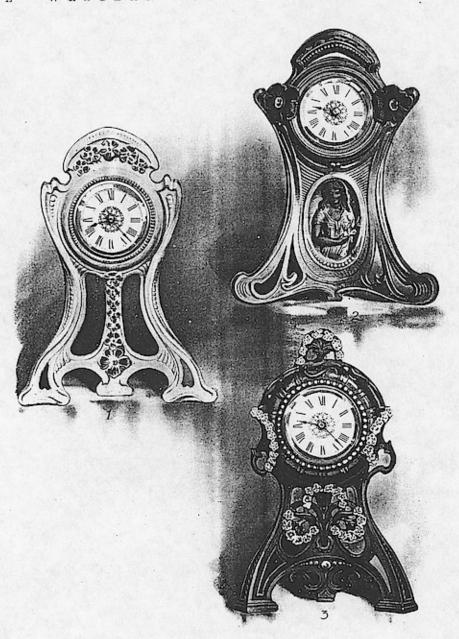


### TRUMP SERIES

1	PREMIER	11 Inches High	Gold Plated	With or without Alarm
2	PEERLESS	11 Inches High	Gold Plated	With or without Alarm
3	ROYAL	11 Inches High	Gold Plated	With or without Alarm
C	st-Iron Frames	Three-Inch Roman or Ara	bie Ivorine Dials Bevele	d Crystals One-Day Movements

Self-Centered Wheels Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



### ART SERIES

1 No. 267	Height, 10 Inches	Violet and Green
2 No. 268	Height, 105 Inches	Green and Brown
3 No. 272	Height, 101/4 Inches	Blue and Green

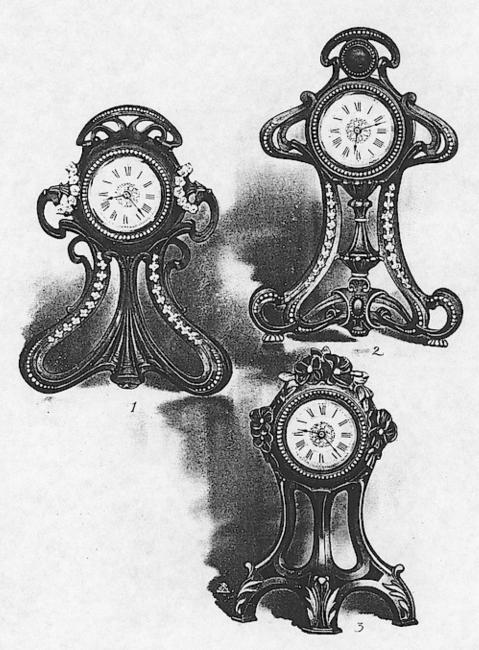
Hand-Decorated in Colors and Relieved in Gold

Sold only in sets of six clocks assorted (see page 23)

Cast-Iron Frames Polished Brass Cases Three-Inch Roman or Arabic Ivorine Dials Beveled Crystals

One-Day Movements Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



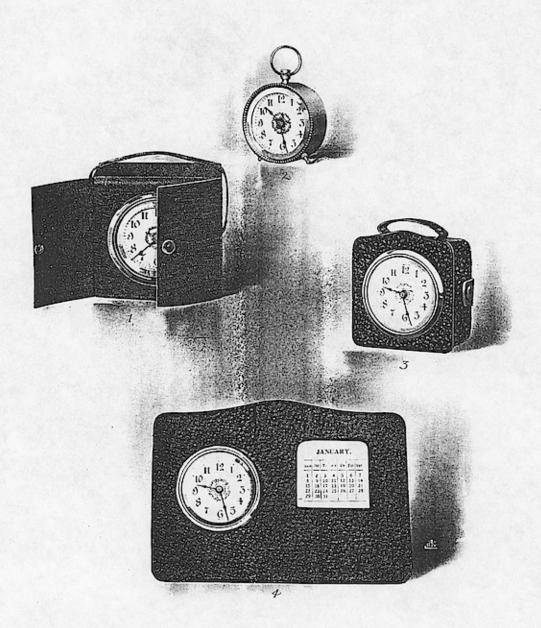
### ART SERIES

1	No. 271	Height, 10 1/4 Inches	Blue and Green
2	No. 269	Height, 1014 Inches	Blue and Brown
3	No. 270	Height, 101/4 Inches	Red and Green

Hand-Decorated in Colors and Relieved in Gold Sold only in sets of six clocks assorted (see page 22)

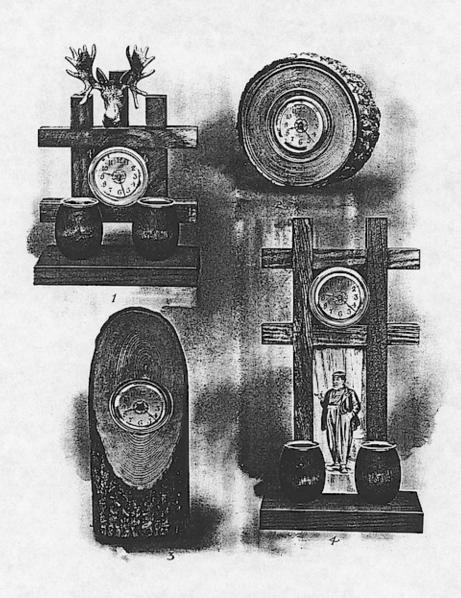
Metal Frames Polished Brass Cases Three-Inch Roman or Arabic Ivorine Dials Beveled Crystals
One-Day Movements Self-Centered Wheels Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



1 TRAVELING CLOCK No. 2 Leather Case, Morocco Red or Black
2 LA SALLITA Nickel Plated Brass Case Packed in Tin Box
3 TRAVELING CLOCK No. 1 Seal Leather Case Red or Black
4 CALENDAR Seal Leather Case, Perpetual Calendar Black
Two-lnch Ivorine Dials Beveled Crystals One-Day Movements Western Friction-Less Pivots

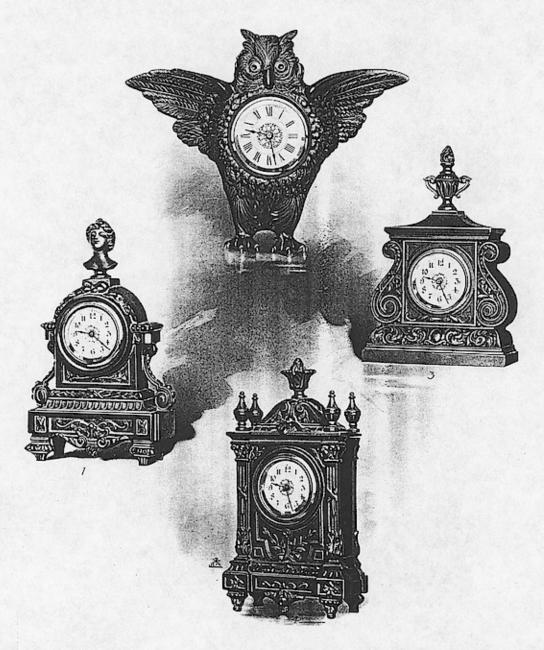
THE WESTERN CLOCK MFG. COMPANY



Height, 10 Inches Mission Finish Ash and Match Trays 2 BERKSHIRE Height, 5 Inches Ash Frame Rustic Finish 3 CATSKILL Height, 9 Inches Ash Frame Rustic Finish 4 DUTCH Height, 12 Inches Mission Finish Ash and Match Trays Two-Inch Ivorine Dials Beveled Crystals One-Day Movements Self-Centered Wheels

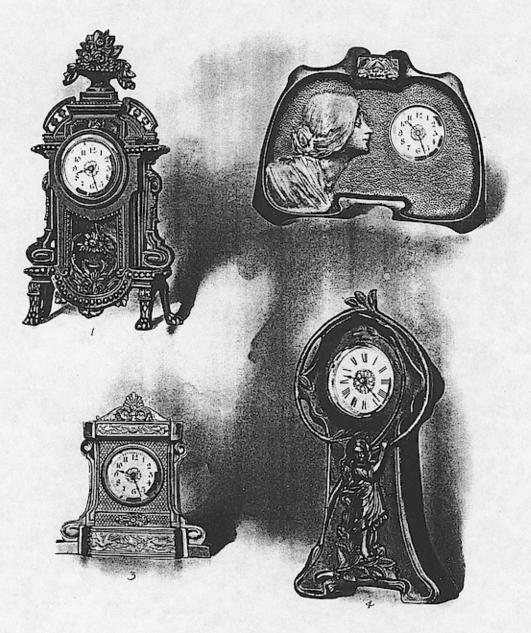
Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



1	WINDSOR	Height, 834	Inches	2-Inch Dial	Antique Bronze Finish
2	OWL	Height, 814	Inches	3-Inch Dial	Antique Bronze Finish
3	OXFORD	Height, 8	Inches	2-Inch Dial	Antique Bronze Finish
4	BALMORAL	Height, 914	Inches	2-Inch Dial	Antique Bronze Finish
M	etal Frames Ivori		veled Crystals Vestern Friction	One-Day Movement-Less Pivots	nts Self-Centered Wheels

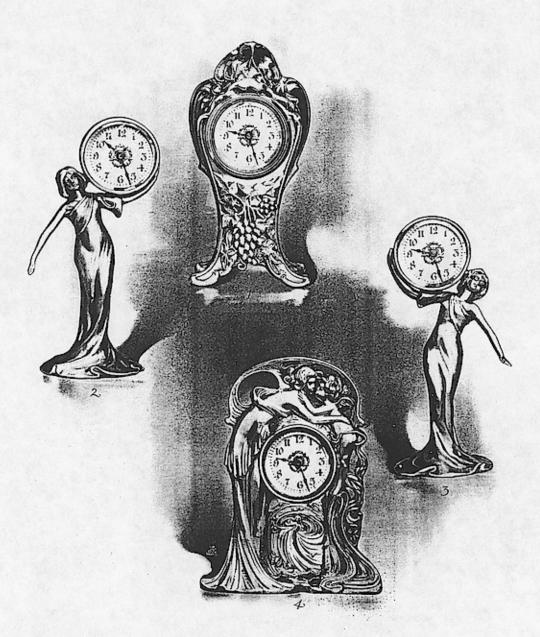
THE WESTERN CLOCK MFG. COMPANY



1 POTSDAM Height, 103/8 Inches 2-Inch Dial Antique Bronze Finish 2 TOSCA Height, 634 Inches 2-Inch Dial Antique Bronze Finish 3 CLARE Height, 61/2 Inches 2-Inch Dial Gold Plated 4 ORMOND Height, 1114 Inches 3-Inch Dial Antique Bronze Finish Metal Frames Ivorine Dials Beveled Crystals One-Day Movements Self-Centered Wheels

Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



- 1 VINE
- 2 GLADYS
- 3 IOLE
- 4 NYMPH

Two-Inch Ivorine Dials

Height, 614 Inches Height, 71/2 Inches

Height, 71/2 Inches Height, 61/2 Inches

Beveled Crystals

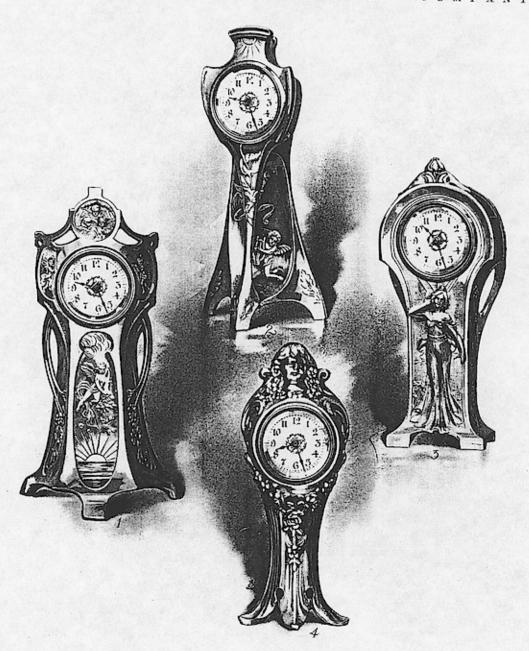
Plated in Ormolu Gold or Silver Gray Plated in Ormolu Gold or Silver Gray

Plated in Ormolu Gold or Silver Gray Plated in Ormolu Gold or Silver Gray

One-Day Movements Self-Centered Wheels

Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



- 1 CREMONA
- 2 STELVIO
- 3 DORÉ
- 4 VALOIS

Two-Inch Ivorine Dials

Height, 91/2 Inches

Height, 81/2 Inches Height, 81/2 Inches

Height, 814 Inches Beveled Crystals

Plated in Ormolu Gold or Silver Gray

Plated in Gold, Silver, Viennese Bronze

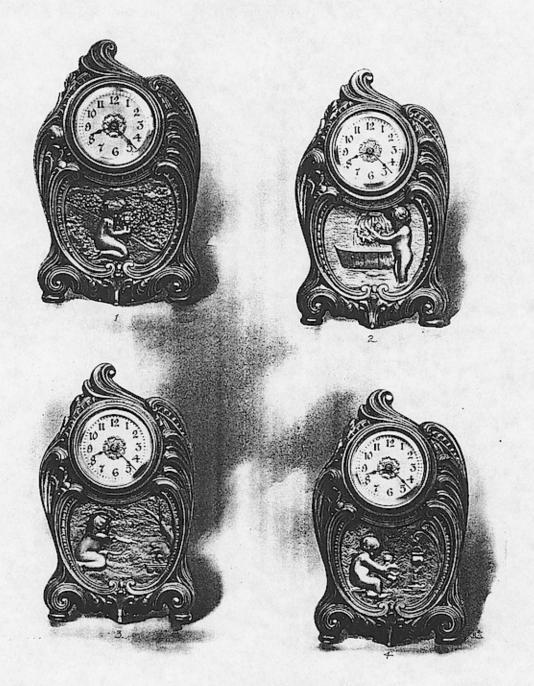
Plated in Ormolu Gold

Plated in Ormolu Gold or Silver Gray

Western Friction-Less Pivots

One-Day Movements Self-Centered Wheels

THE WESTERN CLOCK MFG. COMPANY



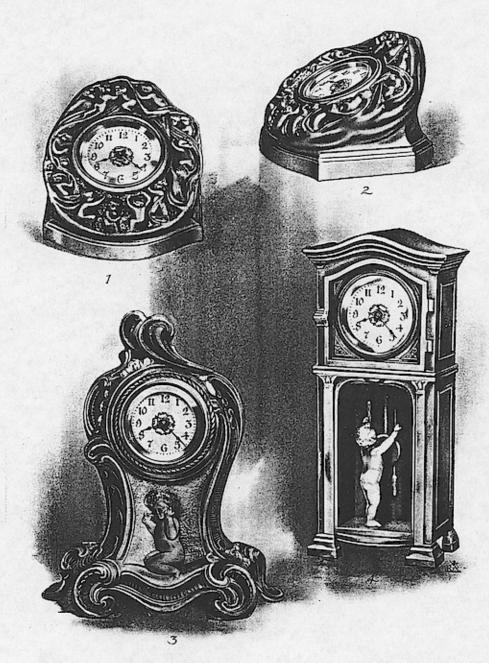
### FOUR SEASONS

1 SPRING 2 SUMMER 3 FALL

4 WINTER

Height, 67/8 Inches Finished in Ormolu Gold, Viennese Bronze or Pompeian Bronze

THE WESTERN CLOCK MFG. COMPANY



1-2 THE RAJAH Height, 3 Inches (Paperweight)

3 ANGELO Height, 71/4 Inches

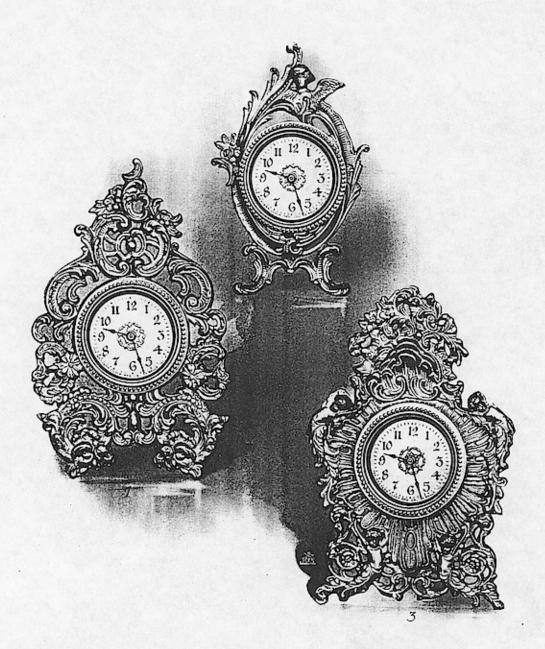
4 PLYMOUTH Height, 81/2 Inches

Length, 4 Inches Finished in Ormolu Gold, Viennese or Pompeian Bronze

Plated in Ormolu Gold

Plated in Ormola Gold, Viennese or Pompeian Bronze

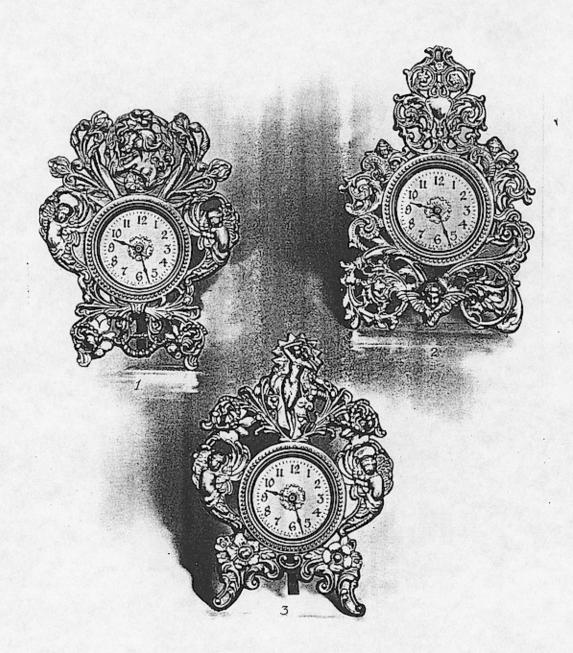
# Windows App: Images To PDF Maker THE WESTERN CLOCK MFG. COMPANY



### ITALIAN SERIES

1	REMO	Height, 7	Inches	Ormolu Gold Plated
2	SIENNA	Height, 534	Inches	Ormolu Gold Plated
3	PAVIA	Height, 61/2	Inches	Ormolu Gold Plated
Tv	vo-Inch Ivorine Dials	One-Day Movements	Self-Centered Wheels	Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY

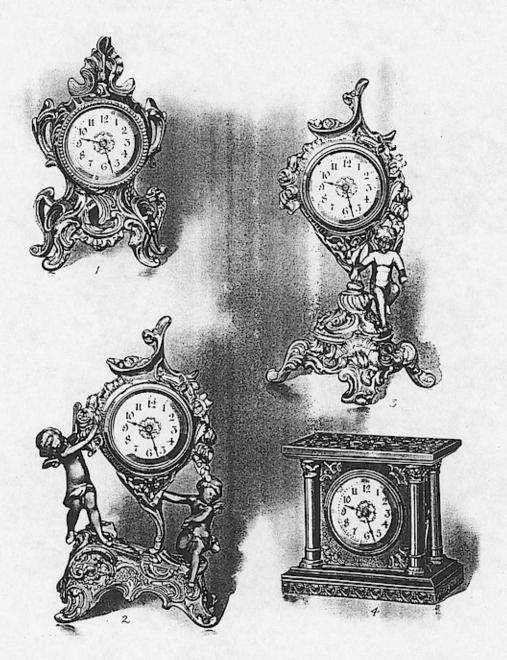


### ITALIAN SERIES

1 PARMA Height, 6 Inches 2 COMO Height, 7 Inches 3 REGGIO Height, 61/2 Inches Two-Inch Ivorine Dials One-Day Movements Self-Centered Wheels Western Friction-Less Pivots

Ormolu Gold Plated Ormolu Gold Plated Ormolu Gold Plated

THE WESTERN CLOCK MFG. COMPANY



- 1 NICE
- 2 CLERMONT
- 3 CALAIS
- 4 COLONIAL

Two-Inch Ivorine Dials

Height, 61/2 Inches

Height, 81/4 Inches

Height, 81/2 Inches

Height, 41/8 Inches

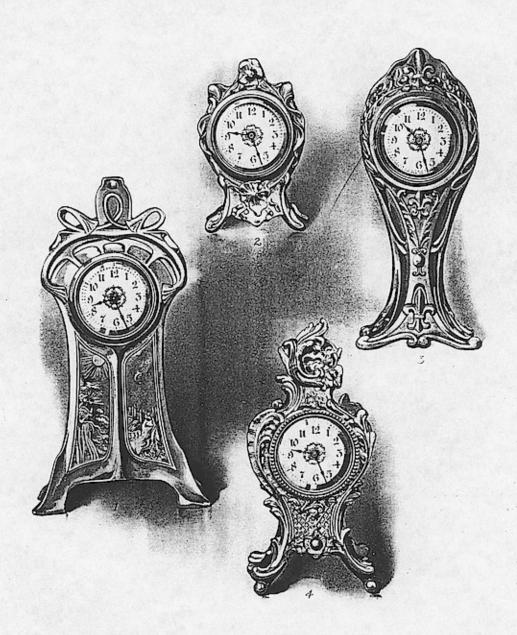
Beveled Crystals One-Day Movements Western Friction-Less Pivots Ormolu Gold Plated

Ormolu Gold Plated

Ormolu Gold Plated

Ormolu Gold Plated Self-Centered Wheels

THE WESTERN CLOCK MFG. COMPANY



- 1 IDYLS
- 2 PANSY
- 3 BOURBON
- 4 SAVOY

Two-Inch Ivorine Dials

Height, 81/4 Inches

Height, 41/4 Inches

Height, 8 Inches

Height, 73/8 Inches

Ormolu Gold Plated

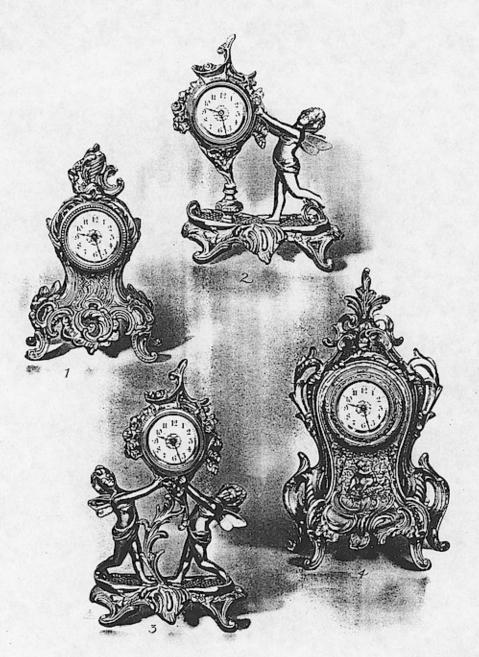
Plated in Ormolu Gold or Silver Gray

Ormolu Gold Plated

Ormolu Gold Plated

Beveled Crystals One-Day Movements Self-Centered Wheels Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY



- 1 LOUVRE
- 2 SYLPH
- 3 VENICE
- 4 VENDOME

Two-Inch Ivorine Dials

Height, 8 Inches Height, 8 Inches

Height, 914 Inches

Height, 103/8 Inches

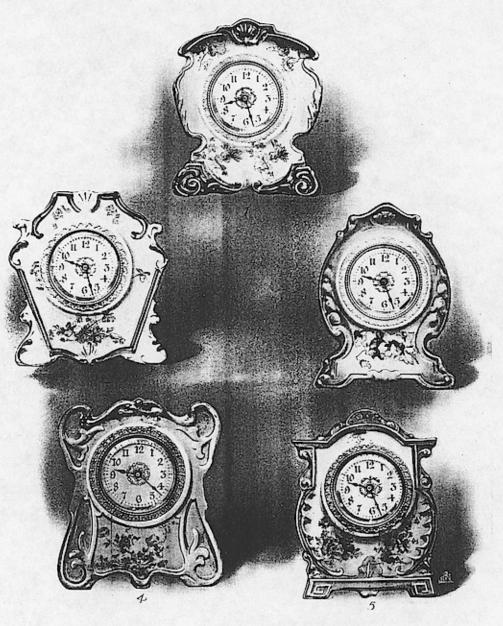
Beveled Crystals One-Day Movements Western Friction-Less Pivots Ormolu Gold Plated Ormolu Gold Plated

Ormolu Gold Plated

Ormolu Gold Plated

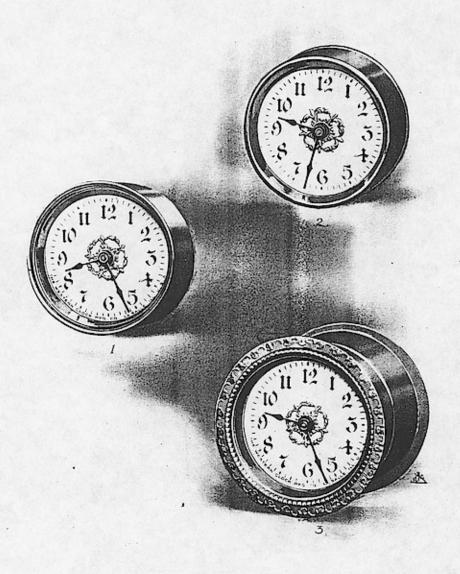
Self-Centered Wheels

THE WESTERN CLOCK MFG. COMPANY



T	vo-Inch Ivorine Dials	Beveled Crystals One-Da	y Movements	Self-Centered Wheels
5	PORCELAIN 8283	Height, 5 Inches	Salmon	Gold Tracings
4	PORCELAIN 8773	Height, 5 Inches	Pink	Gold Tracings
3	PORCELAIN 8759	Height, 5 Inches	Blue	Gold Tracings
2	PORCELAIN 8338	Height, 5 Inches	Maroon	Gold Tracings
1	PORCELAIN 8339	Height, 5 Inches	Green	Gold Tracings

THE WESTERN CLOCK MFG. COMPANY

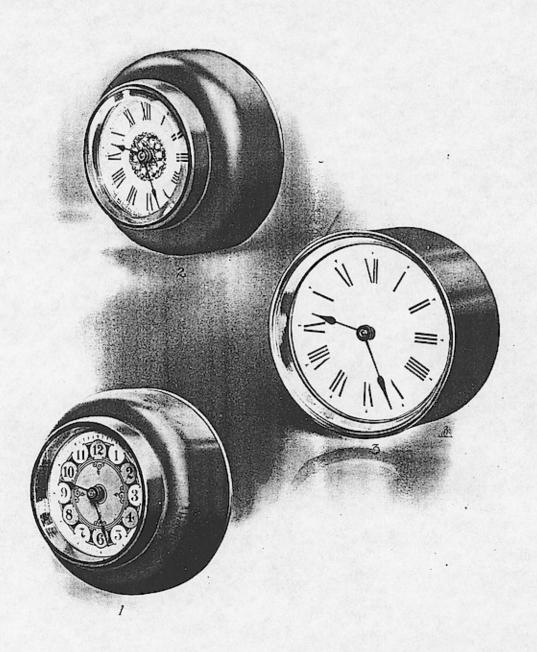


- 1 "A" MOVEMENT To be inserted in case from the front
- 2 "C" MOVEMENT To be inserted in case from the back
- 3 "D" MOVEMENT Furnished with backs of different depths to hold movement in frames

Two-Inch Ivorine Dials

Beveled Crystals One-Day Movements Western Friction-Less Pivots Self-Centered Wheels

WESTERN CLOCK MFG. COMPANY THE



1 "B" MOVEMENT

2 "B" EXTRA MOVEMENT 3-Inch Ivorine Dial Beveled Crystal

3 "F" MOVEMENT

One-Day Movements

3-Inch Paper Dial, 4-Inch Brass Lacquered Case

Self-Centered Wheels

4-Inch Paper Dial Seamless Brass Case

Western Friction-Less Pivots

THE WESTERN CLOCK MFG. COMPANY

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