

*Warren  
Clock Company*

ASHLAND, MASSACHUSETTS

*Manufacturers of*

TELECHRONS *for* TIMEKEEPING

*and* Electrically Driven

Instrument Movements



*The gods confound the man who first found out  
How to distinguish hours!  
Confound him too  
Who in this place set up a sundial  
So wretchedly to cut and hack my days  
Into small pieces!*

—Plautus.

## *Time from a Distance*

**D**EVICES to indicate the flight of time are as old as history but the use of the clock as a means of indicating the passing moments is of more recent origin (dating from the 13th century).

Try to imagine what would happen to our modern world if through some calamity we were suddenly deprived of all clocks and other devices for indicating time. Transportation would be demoralized, industrial schedules upset with a consequent decrease in production, in short, our order of existence would quickly be thrown into chaos and we would soon find ourselves back in the days of primitive living.

So dependent is our advanced civilization upon clocks for the indication of time that we regularly expend considerable effort in maintaining them; we bother and worry with winding, setting, and regulating them. Necessity has compelled us to accept their shortcomings and even make allowances for their habitual errors.

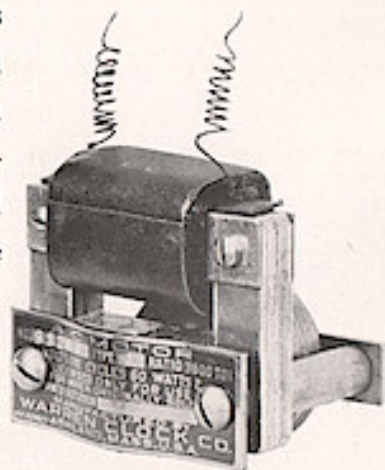
With the advent of modern alternating current electricity, there came into existence waves of current, produced with great regularity.

The value of these waves for an advanced method of indicating time was recognized by the engineers of the Warren Clock Company, and a device for utilizing

them, called *Telechron* was developed. The word *Telechron* is derived from the Greek "tele" meaning from a distance, and "Chronos" the god of time (time from a distance).

Externally the various types of *Telechrons* as illustrated herein are similar to the types of clocks ordinarily used. Internally, that is inside the case, their similarity vanishes. Instead of a complicated spring-actuated mechanism requiring periodic winding, there is found the simply constructed but remarkable design of Warren motor (Fig. 1) connected through a few gears to the *Telechron* hands.

When attached to any suitable circuit, this wonderful little motor immediately responds to the impulses of the time waves of electricity and keeps time.



(Fig. 1)

Many of the Electric Light and Power Companies maintain time waves of the average regularity required by *Telechrons*. There are probably time waves on the electric wires in your home and office. — If in doubt, write us. — You are missing a very valuable service



if you are without *Telechrons*. They may be connected to lighting circuits as easily as an electric lamp or any other electric appliance. When supplied continuously with proper current each *Telechron* installed will indicate time without the winding and other troublesome attention required by clocks.

Owners of clocks which no longer run satisfactorily may have *Telechron* movements installed and obtain the excellent time keeping qualities and freedom from care and attention so characteristic of *Telechrons*.





GOTHIC MANTEL TELECHRON

NUMBER 501

SIZE:—11 $\frac{3}{8}$  inches high, 8 $\frac{1}{2}$  inches wide, 5 $\frac{1}{2}$  inches deep.

DIAL:—Etched Silver, 5 inches in diameter.

CASE:—Mahogany inlaid.

MOVEMENT:—Warren Synchronous Electric.



DORIC MANTEL TELECHRON

NUMBER 502

SIZE:—10 $\frac{5}{8}$  inches high, 8 $\frac{1}{2}$  inches wide, 5 inches deep.

DIAL:—Etched Silver, 5 inches in diameter.

CASE:—Mahogany inlaid.

MOVEMENT:—Warren Synchronous Electric.



MANTEL TELECHRON

NUMBER 504

SIZE:—12½ inches high, 8⅝ inches wide at base, 6 inches deep at base.

DIAL:—Etched Silver, 6 inches in diameter.

CASE:—Mahogany inlaid.

MOVEMENT:—Warren Synchronous Electric.



MANTEL TELECHRON

NUMBER 508

SIZE:—13⅛ inches high, 9¼ inches wide, 5¼ inches deep.

DIAL:—Etched Silver, 6 inches in diameter.

CASE:—Mahogany.

MOVEMENT:—Warren Synchronous Electric.



GOTHIC MANTEL TELECHRON

NUMBER 503

SIZE:—13 $\frac{1}{8}$  inches high, 8 $\frac{3}{4}$  inches wide, 5 inches deep.

DIAL:—Etched Silver, 5 inches in diameter.

CASE:—Imitation Mahogany.

MOVEMENT:—Warren Synchronous Electric.



MANTEL TELECHRON

NUMBER 402

SIZE:—6 $\frac{7}{8}$  inches high, 8 inches wide, 4 $\frac{1}{8}$  inches deep.

DIAL:—Etched Silver, 5 inches in diameter.

CASE:—Brass and Bronze finished in Verde Antique or Bronze.

MOVEMENT:—Warren Synchronous Electric.



QUEEN ANNE MANTEL TELECHRON

NUMBER 505

SIZE:— $9\frac{5}{8}$  inches high,  $8\frac{7}{8}$  inches wide,  $5\frac{3}{4}$  inches deep.  
DIAL:—Etched Silver, 6 inches diameter.  
CASE:—Mahogany Ebony inlaid.  
MOVEMENT:—Warren Synchronous Electric.



TAMBOUR MANTEL TELECHRON

NUMBER 551

SIZE:— $6\frac{7}{8}$  inches high, 4 inches deep, base is 17 inches wide.  
DIAL:—Etched Silver, 5 inches in diameter.  
CASE:—Mahogany.  
MOVEMENT:—Warren Synchronous Electric.





No. 401



No. 301



No. 201



No. 101

WALL TELECHRONS

CASE:—Quartered Oak or Mahogany.

11 inches square  
4½ inches deep  
Dial 8 inches dia.

16 inches square  
4½ inches deep  
Dial 12 inches dia.

19 inches square  
4½ inches deep  
Dial 14 inches dia.

23 inches square  
5 inches deep  
Dial 18 inches dia.

MOVEMENT:—Warren Synchronous Electric.



WALL TELECHRON

NUMBER 102

SIZE:—5½ inches extreme diameter, 3½ inches deep.

DIAL:—Etched Silver, 5 inches in diameter.

CASE:—Brass lacquered.

MOVEMENT:—Warren Synchronous Electric.



WALL TELECHRON

NUMBER 403

SIZE:—15 inches in diameter.

DIAL:—White, 12 inches in diameter.

CASE:—Copper or Brass.

MOVEMENT:—Warren Synchronous Electric.



TELECHRON FOR EXTERIOR OF BUILDING

BUILT TO ARCHITECT'S SPECIFICATIONS

SIZE:—As desired.

DIAL:—Illuminated Type or otherwise.

CASE:—Metal.

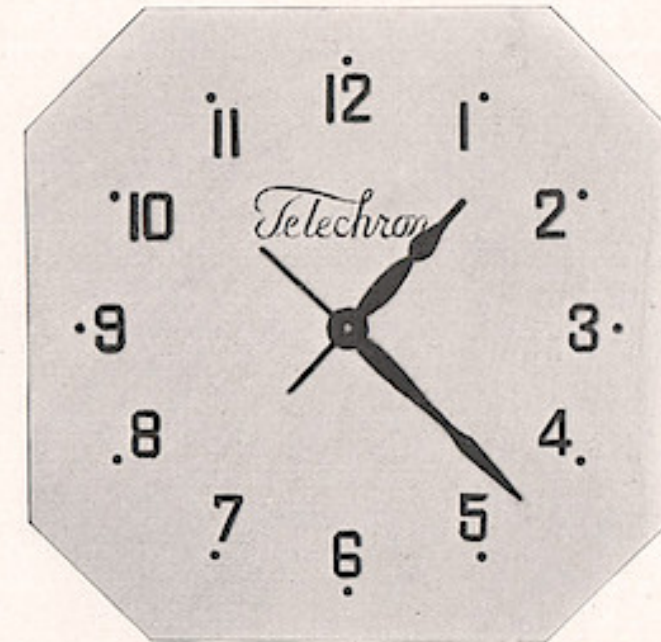
MOVEMENT:—Warren Synchronous Electric.



TELECHRON FOR LARGE INTERIOR

DIAL:—Built to architect's specifications.

MOVEMENT:—Warren Synchronous Electric.



TELECHRON FOR LARGE INTERIOR

DIAL:—Built to architect's specifications.

MOVEMENT:—Warren Synchronous Electric.

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WOLSON FOODS MILKMAKERS '83 '84