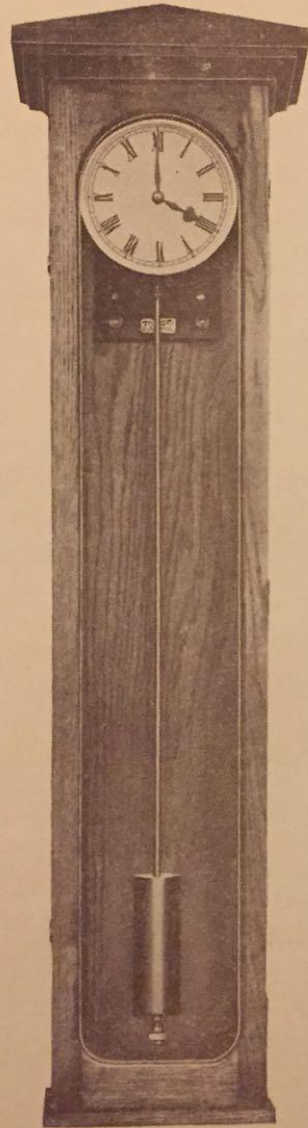


# The "Tayco" Electric Clock



*Manufactured by*  
**H. A. TAYLOR**  
*Experimental  
Engineer*  
*and*  
*Instrument Maker*  
**39, Crouch Hill  
London N.4.**

**Telephone :**  
**ARCHWAY 2067**

# The "Tayco" Electric Clock

*British Made Entirely.*

*Never Needs Winding.*

*Keeps Perfect Time.*

**T**HERE is nothing complicated in the 'TAYCO' Electric Clock. It is a practical design, incorporating the "Hipp" Electrical escapement, invented many years ago, and recognised to-day as the most simple and reliable method of using electrical energy for accurate time keeping.

There is no key to lose or springs to break, and since there is no pressure on the gear wheels as in other clocks, wear is reduced to a negligible factor.

When once fixed and regulated no attention whatever is necessary, beyond the replacement of the battery when required, and this only at long intervals due to the very small current consumption. It can if desired be driven off the lighting mains by the use of a "wireless" trickle charger.

The simple mechanism and other parts are made to the most accurate standards, inter-

changeable, highly finished, and lacquered; and may be purchased as a complete set or separately for amateur construction as required.

Its low price consistent with its handsome appearance should appeal to home workers who require something useful to make.

The standard movement as illustrated on page 1, is fitted with a seconds pendulum, the case measures 48-ins. by 10-ins. by  $6\frac{1}{2}$ -ins. The dial is  $6\frac{1}{2}$ -ins. diameter. Other types or sizes of cases may be had to order.

The 'TAYCO' Clock is silent, comparatively speaking, it has the "tick" of an ordinary clock, and makes no irritating kick when making contact.

Grandfather or other clocks with worn movements may be converted and thus brought up-to-date.

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*Other Specialities include*

**Scientific Instrument Making  
and  
Light Engineering  
of every Description.**

★

**Special Purpose Machines  
designed and manufactured.**

★

**Clockwork Mechanisms  
made and repaired.**

★

**Inventions Developed.**

★

**Model Making.**

★

**Gear Cutting.**

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A. WEBB & CO  
LONDON. N. 4.

# The "TAYCO" Electric Clock

British Made Entirely.

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In presenting this Revised Price List of the "TAYCO" Electric Clock for the new season, it will be noted that several additions have been made to the existing range of complete sets, one of which is the set of raw materials for the Senior model with unmounted cut gears. This set presents very good value for money, and is easily constructed with the usual tools found in the amateur's workshop.

On the Junior model finished parts have been added, which are made to the same accurate and interchangeable standards as in the Senior model.

Although prices are greatly reduced the same high standard quality of materials, and workmanship, is fully maintained.

Both models are similar in every respect, both as regards design and workmanship. They differ only in dimensions as shown in the following table.

	SENIOR MODEL	JUNIOR MODEL
Pendulum	1 Second beat 42" long	$\frac{3}{4}$ Second beat 24" long
Dial -	6 $\frac{1}{2}$ " diameter	5" diameter
Case -	48 x 10 x 6 $\frac{1}{2}$ ins.	30 x 7 $\frac{1}{2}$ x 4 $\frac{1}{2}$ ins.

With regard to the choice of the two, the Senior makes up into a more imposing and handsome clock, but the Junior takes up less space, costs less, and is more suitable for construction by those with very limited workshop facilities. Both may be attempted by any amateur with full assurance of good results, as fully detailed, and dimensioned working drawings are supplied, and every help if required, is freely given.

Since the "TAYCO" Clock was placed on the market, many letters of appreciation have been received from satisfied customers. A set of parts have also been submitted to the Editor of "The Model Engineer and Electrician," who, in an article published in that paper dated August 28th, 1930 (No. 1529) "recommends them as an excellent production for the amateur clockmaker." Prospective purchasers are advised to peruse this descriptive article, as the notes and drawings contained therein will be found of interest.

## THE "TAYCO" CLOCK IS BRITISH MADE.

Every part of the "Tayco" Clock is made with the utmost care and precision under the personal supervision of the proprietor.

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**H. A. TAYLOR**  
 Scientific Instrument Maker  
 39, Crouch Hill                      LONDON, N.4  
 Telephone—ARCHway 2067

## Specification of Raw Materials

The raw materials are complete with the necessary finished parts, as the following schedule shows:—

Aluminium casting for base plate.	Gunmetal casting for detent or trailer sleeve.
Hard brass sheet cut to size for clock plates	Gunmetal casting for rating nut.
Brass tubing for pendulum bob.	Silvered Dial, best quality with bold Arabic figures.
Brass discs for pendulum ends.	Pair of pressed hands.
Aluminium casting for bezel.	Two terminal nuts.
Brass rod for terminals, bushes, pins, pillars, etc.	Platinum contact points.
Silver steel for gear arbors, etc.	All necessary screws, nuts and washers.
Polished steel for pendulum rod.	Silk covered wire for bobbins
Swedish Iron for magnet cores, and armature.	Accurately cut gears with pinions.
Material for coil bobbins.	Steel template for drilling clock plates
Spring steel strip for contact blade, and suspension spring.	Two sheets of fully detailed and dimensioned working drawings
Aluminum sheet for dial back plate.	Working drawing of standard oak clock case.

(NOTE.—It is not necessary to use the standard case).

**PRICES** for complete set of materials as specified above—

Senior Model	£2 5 0	Post and packing	2/6
Junior Model	£1 15 0	do.	2/-

As above but with all gears mounted on finished silver steel arbors with friction spring, collars, etc., and hands colletted.

Senior Model	£3 0 0	Post and packing	2/6
Junior Model	£2 5 0	do.	2/-

Prices for complete set of UNASSEMBLED FINISHED PARTS, requiring minimum of tools to assemble.

Senior Model	£4 10 0	Post and packing	2/6
Junior Model	£3 5 0	do.	2/-

Prices for complete set of ASSEMBLED FINISHED PARTS, ready to screw into clock case.

Senior Model	£5 0 0	Post and packing	2/6
Junior Model	£3 10 0	do.	2/-

NOTE.—All above sets of parts include every item required, with the exception of lead filling for pendulum weight.

Prices of UNASSEMBLED parts of standard oak clock cases.

Senior Model	£2 0 0	Packing	4/-	sent by rail carriage
Junior Model	£1 10 0	do.	2/6	do. [forward

Prices of FINISHED standard oak clock cases, polished light or dark oak, and fitted with glass, door hooks, etc.

Senior Model	£4 10 0	Packing	4/-	sent by rail carriage
Junior Model	£2 10 0	do.	2/6	do. [forward

*Special Designs of Cases quoted for on receipt of particulars.*

## Prices of FINISHED CLOCKS.

Senior Model	£10 0 0	Packing	5/-	sent by rail carriage
Junior Model	£6 0 0	do.	3/6	do. [forward

Prices of SEPARATE FINISHED PARTS, all guaranteed to be interchangeable.

	Senior Model	Junior Model	Post and Packing
Aluminium Base Plate	- 13/6	10/-	9d.
Suspension Spring and Chocks	- 1/9	1/-	2d.
Two Terminals and Platinum Contact Point	-	3/6	2/6 4d.
Contact Blade and Platinum Contact Point	-	1/9	1/6 3d.
Vee Plate with Nut and Washer	- 1/6	1/-	1½d.
Base Plate completely assembled including all above	- 24/6	18/-	9d.
Magnet complete with bobbins	11/-	8/-	6d.
Pendulum rod	- 2/-	1/9	6d.
Pendulum Hook	- 6d.	6d.	1½d.
Rating Nut	- 2/-	3d.	1½d.
Armature and Lock Nut	- 1/-	9d.	2d.
Pendulum Weight, solid brass tube polished and lacquered (not filled)	- 8/-	6/-	6d.
Detent or trailer sleeve fitted with plate and arbor	- 4/-	3/-	1½d.
Clock Plates with pillars and nuts	9/6	7/-	6d.
Centre Wheel and Arbor with Friction Spring, etc.	- 6/6	4/6	3d.
Motion Wheel and Sleeve	- 1/6	1/3	2d.
Hour Hand and Collet	- 6d.	6d.	1½d.
Minute Hand and Collet	- 6d.	6d.	1½d.
Motion Pinion and Arbor	- 2/6	2/-	2d.
Second Wheel with Pinion and Arbor	- 4/-	3/-	3d.
Ratchet or 'Scape Wheel with Arbor	- 4/-	3/-	3d.
Pendulum Arm and Pins	- 2/6	2/-	2d.
Ratchet Lever with Wire & Arbor	3/6	2/6	2d.
Back Stop Wire with Arbor	- 1/6	1/-	2d.
Dial and Backplate with cast aluminium bezel	- 9/-	6/6	6d.
Dial Movement completely assembled	- 53/-	39/-	1/-

Machining of separate parts can be quoted for, also special cases, with various sizes and designs of dials, hands, etc.



*Terms of Business—*

Cash with Order or C.O.D.

Postage and Packing strictly extra.

Postage shown is for United Kingdom only.

Overseas customers will oblige by enclosing sufficient to cover extra carriage, any sum sent in excess will be refunded.

All Prices are subject to revision without notice.

*A Few Extracts from letters received :—*

A. K. T. Chester.

“Please may I congratulate you on the excellent clock which you have supplied me with. It is a really VERY fine time keeper, and at a very moderate price also. . . . I cannot speak too highly of your kind interest in my efforts. . . .”

R. C. G. Yorks.

“I received quite safely the parts for the “Tayco” Electric Clock, and am highly satisfied with them. . . .”

H. DE W. Holland.

“Last year (1930) you supplied me with parts for making your “Tayco” Electric Clock, and I have pleasure in informing you that same is running perfectly. . . .”

J. H. B. Lancashire.

“I have now machined them and fitted them together and find the clock works very well indeed, I have had no difficulty in making it, which speaks well for the design. . . .”

