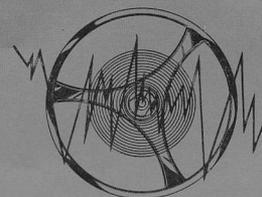


Caliber L879.1



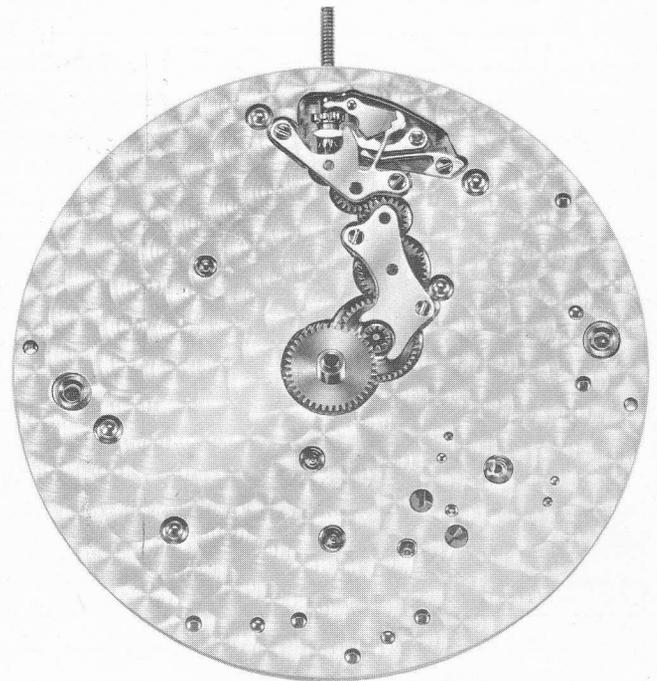
**LONGINES**



# Caliber L 879.1

Without second  
20 jewels

Round 15 $\frac{3}{4}$ ''' movement  
Lever escapement  
21,600 vibrations per hour



## 1. Presentation

This extra-flat pocket-watch caliber satisfies the severest requirements for the traditional LONGINES quality. In spite of its greatly reduced thickness, it is equipped with

a sprung-balance oscillator of high regulating power. Its classic construction makes it a robust, elegant and reliable movement.

## 2. General characteristics

### 2.1 Casing dimensions

Diameter 35,64 mm  
Overall height 1,90 mm

### 2.2 Balance

Glucydur, with screws  
Protected by shock-absorbers  
Lift angle 46°

### 2.3 Hairspring

Non-magnetic  
Self-compensating

### 2.4 Mainspring

Stainless  
Self-lubricated

### 2.5 Power reserve

43 hours

### 2.6 Correction of rate

Full wind, less half an hour  
Positions observed: DU-PU  
Variation of rate: -2 +8 seconds

## 3. Technical description and instructions

### 3.1 Motor system

The barrel has no cover. It is equipped with a self-lubricated, practically unbreakable spring of stainless alloy. No maintenance is needed in case of damage, the motor system should be replaced by a complete barrel supplied by the manufacturer (reference L 879.1 - 180.1).

### 3.2 Transmission system

The train has four jeweled wheels and pinions. The escape-wheel jewel on the movement side is fitted with an endstone.

### 3.3 Escapement

The escapement is of the standard lever type. The steel escape wheel has 15 teeth.

### 3.4 Regulating system

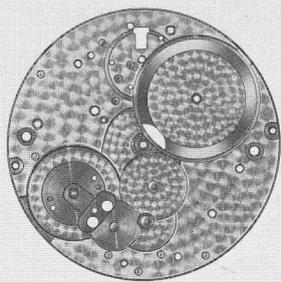
A monometal balance with screws, coupled to a self-compensating hairspring which is insensitive to variations of temperature and normal magnetic fields gives an excellent rate in usual wear. The balance pivots are protected by shock-absorbers.

### 3.5 Winding and setting mechanism

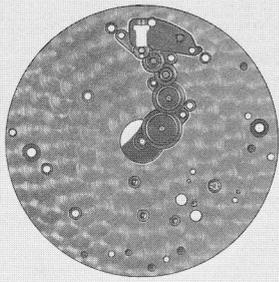
The winding and setting functions, are provided by a standard type mechanism. The winding stem is held in position by a screwed-on setting lever.

## 4. List and concordance table of components

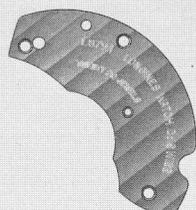
No.	Designation
100	Main plate
105	Barrel bridge
114	Third-wheel bridge
115	Fourth-wheel bridge
116	Escape-wheel bridge
121	Balance cock, alone
121.6	Balance cock, mounted
125	Pallet cock
180.1	Complete barrel (with spring)
201.2	Center wheel, Ht = 1.45 mm
210	Third wheel
220	Fourth wheel
240.2	Indented cannon pinion, Ht = 1.45 mm
250.2	Hour wheel, Ht = 0.87 mm
260	Minute wheel
301	Regulator for flat hairspring
369	Stud-cover plate
370	Jeweled "KIF", upper
371	Jeweled "KIF", lower
375	Stud-holder
401	Winding stem
407	Sliding pinion
410	Winding pinion
415	Ratchet wheel
420	Crown wheel
422	Crown-wheel ring
425	Click
430	Click spring
435	Yoke
440	Yoke spring
443	Setting lever
445	Setting-lever jumper
450	Setting wheel
451	Motion-work setting wheel
453	Intermediate setting wheel
462	Minute-train bridge
705	Escape wheel
710	Jeweled pallet fork and lever
721	Complete balance
3925	Combined jewel setting for escape wheel, upper, Duofix
5101	Case screw (1080.65)
5105	Barrel-bridge screw (1080.76)
5114	Screw for third-wheel bridge (1080.76)
5115	Screw for fourth-wheel bridge (1080.76)
5116	Screw for escape-wheel bridge (1080.76)
5121.6	Balance-cock screw (1080.76)
5125	Pallet-cock screw (1050.71)
5369	Screw for stud-cover plate (1035.04)
5440	Yoke-spring screw (1060.88)
5443	Setting-lever screw (17055.1)
5445	Screw for setting-lever jumper (1060.88)
5462	Screw for minute-train bridge (1060.88)



100



105



114



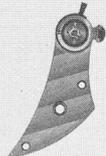
115



116



121



121.6



125



180.1



201.2



210



220



240.2



250.2



260



301



369



370



371



375



401



407



410



415



420



422



425



430



435



440



443



445



450



451



453



462



705



710



714



721



3925



1080.65  
(5101)



1080.76  
(5105) (5115)  
(5114) (5116)  
(5121.6)



1050.71  
(5125)



1035.04  
(5369)



1060.88  
(5440)  
(5445)  
(5462)



17055.1  
(5443)