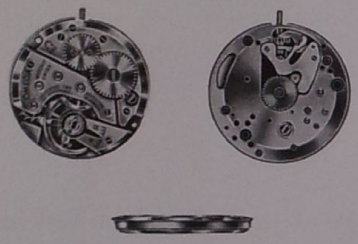
OMEGA Ω

TECHNICAL GUIDE

No. 25 1961

CALIBRE 620 (17.50 PC AM 17 jewels)



Embodying all the technical improvements of the last few years, this remarkably thin calibre is eminently suitable for ladies' watches. Thanks to entirely new methods of production we are now able to offer you this technical masterpiece, which will facilitate the production of watches of supreme elegance.

CHARACTERISTICS

Dimensions

Total diameter: 18.00 mm
Casing diameter: 17.50 mm
Height of movement: 2.50 mm
Diameter of winding stem thread: 0.90 mm

Number of vibrations

19.800 per hour

Ebauche

Includes:
1 Barrel bridge
1 Train bridge for centre wheel, third wheel, fourth wheel and escape wheel
1 Pallet cock
1 Balance cock

Finish

Rose gilt, with large wave effects, diamond polished bevels.

Jewelling

2 jewels for centre wheel

2 jewels for third wheel

2 jewels for fourth wheel

2 jewels for escape wheel

2 jewels for pallet staff

2 hole jewels for balance and 2 cap jewels

2 pallet stones and the roller jewel; 17 jewels in all

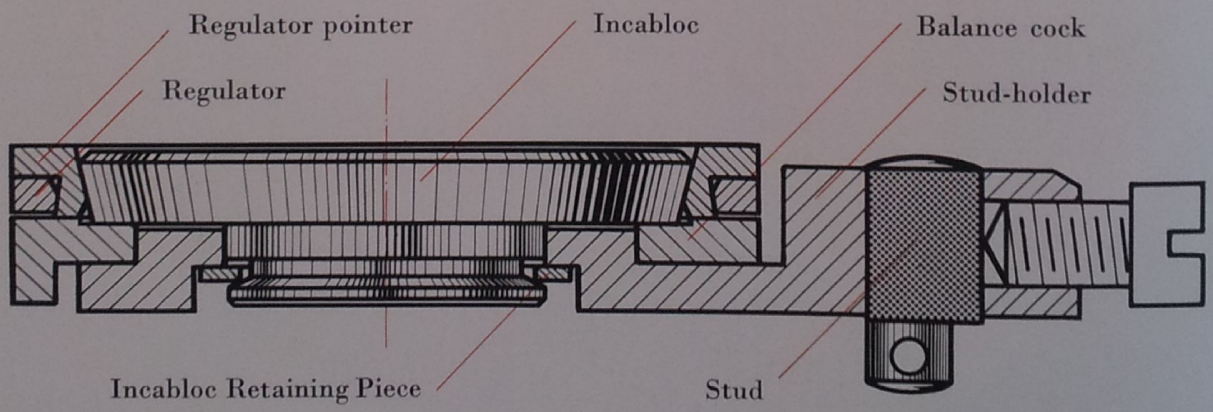
1 beryllium-bronze bouchon for pivoting point of barrel-arbor within bridge

Shock protecting device

Incabloc, the lower shock-resistant unit whereof being pressure set within plate and no longer fitted by means of a screw.

Movable stud-holder

The movable stud-holder, the advantages of which are described in Technical Guide No. 13 permits the balance to be quickly and accurately placed in beat without removing from the balance cock.

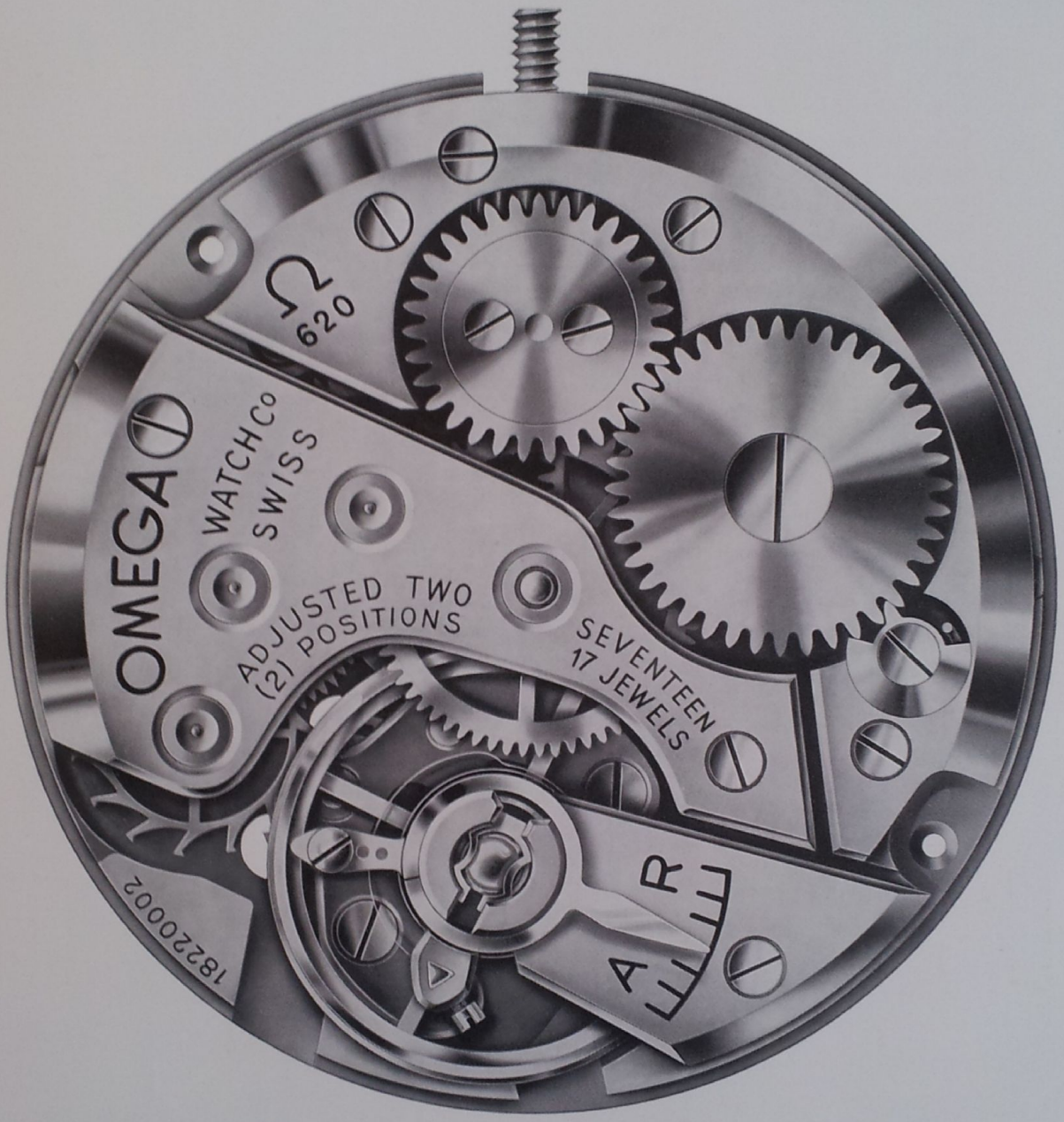


Regulating device (Index)

The regulator is of two piece construction and has a boot as well as two curb-pins, the boot preventing the balance spring from jumping, as the result of a shock, from between the curb-pins through which it passes.

Escapement

It is of the same size as the one used in calibre 240 to 245, with a balance impulse angle of 52°; the escape wheel, pallet and roller (rose gilt) are made of steel. Attention is drawn to the fact that the function normally performed by banking pins is in this calibre carried out by machined faces which are an integral part of the pallet cock itself.



Balance and Spring

This is a non magnetic assembly comprising a screwless balance in beryllium bronze and a flat compensating spring

Duration of running

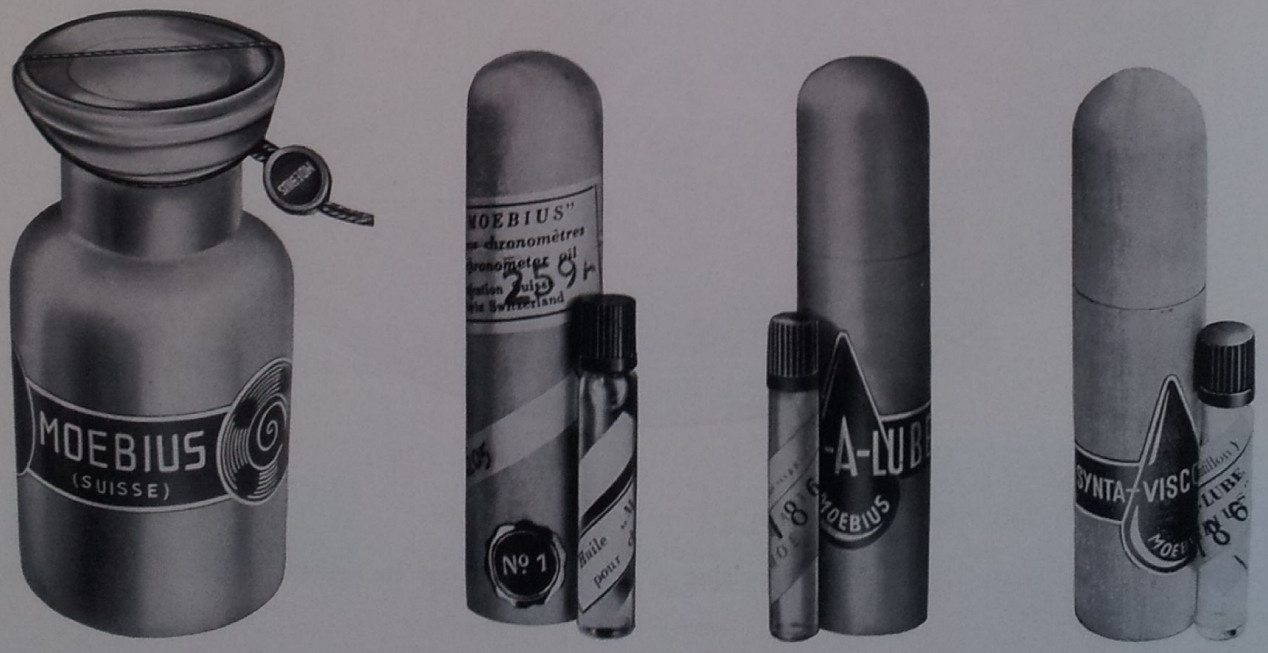
The stainless alloy spring develops $6^1/_2$ turns thus giving a running time of over 48 hours

Oiling

Absolutely clean parts only should be oiled.

Winding stem Clutch wheel Yoke (clutch lever) Yoke spring (set spring) Setting lever (detent) Setting lever spring Setting wheel stud Minute wheel pivoting point	Synta – Visco – Lube oil
Barrel and mainspring	Moebius lubricant
Pivoting points of centre pinion and barrel arbor within mainplate and bridge Cannon pinion	Moebius oil for chronometers No. 1
Pivoting points in gear train, of escape wheel and balance	Synt A Lube oil
Pallet jewels (stones)	Moebius oil for chronometers No. 1

Pallet staff pivots are not oiled.



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