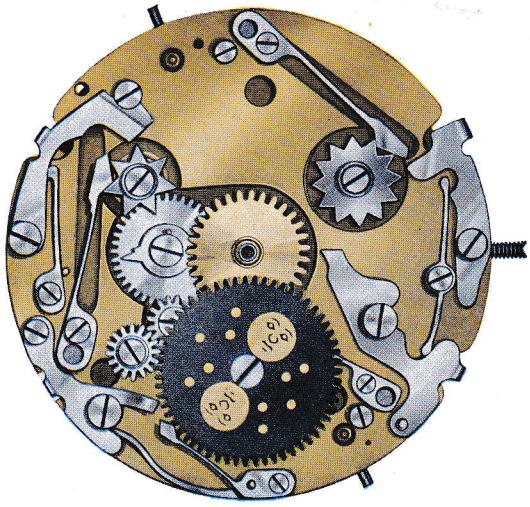
Lever movement, self-winding, sweep second, with calendar and moon phase devices

11 ½''' 1402

Movement 1402 is the same as caliber 1361 (see Technical Communication No. 4), with the addition of calendar and moon phase devices.



DISASSEMBLING :

To gain access to the calendar and moon phase devices, it is necessary first of all to go through operations 1 to 3 for disassembling the automatic winding mechanism (see under cal. 1361), after which the devices can be disassembled easily. Check cleanness and wear of all parts.

ASSEMBLING :

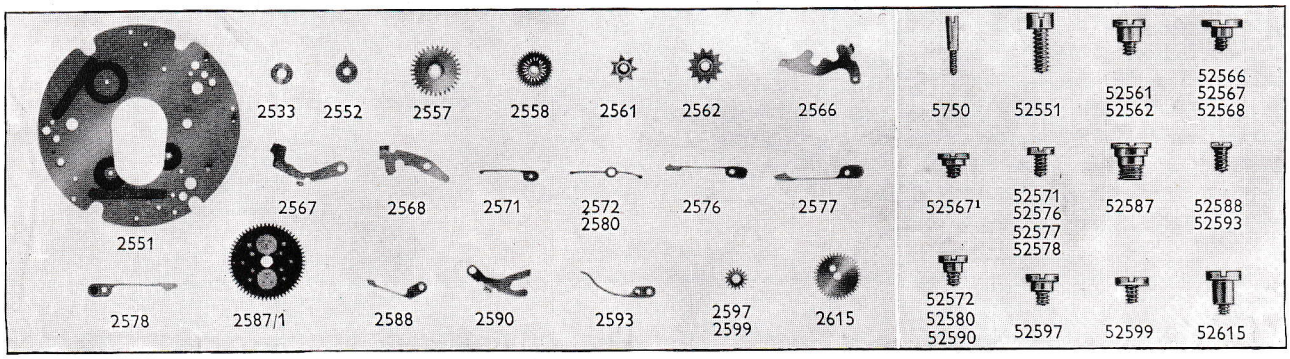
The devices are equally easy to assemble, but to insure correct "jumping" of day star 2561, date star 2557 and moon phase star 2587, finger 2552 should be fitted with its mark underneath (consequently, the long part of the pin will be on top).

CHECKING AND LUBRICATION :

With the winding stem in the hand-setting position, check the "jumping" of the day and date stars, which should move simultaneously. Check the "jumping" of the moon phase star about 12 hours later, then check the working by means of the correctors, oil the pivot points of the latter and grease the friction points of the springs and jumpers.

WORKING AND SETTING OF CALENDAR AND MOON PHASE DEVICE :

After having fitted the dial, fit the date hand and turn the winding stem until the day disk or date hand jumps forward; fit the hour and minute hands, making sure that they point to 12, then fit the second hand. Case the movement, set the watch to the correct time, and then set the calendar to the correct date by means of the pushers, remembering that the hands have been set to zero hours. Do not use the pushers to work the calendar between 10 p. m. and 2 a. m., or the moon phase disk between 10 a. m. and 2 p. m., when the automatic "jumping" takes place. In this caliber, the calendar and moon phase pushers are fitted in the side of the case. Pusher A works the date hand, pusher B the day disk and pusher C the month disk. Pusher D works the moon phase disk, and any almanac will show the phase of the moon at the time of setting.



The use of several numbers for a single part means that several parts of that type are used. Note also that certain parts of this device have two functions, e.g. date corrector spring 2572, which also acts as month corrector spring 2580.

2533 Moon phase star seat
2551 Calendar plate
2552 Date finger
2557 Date star
2558 Double-toothing hour wheel
2561 Day star
2562 Month star
2566 Date corrector
2567 Day corrector
2568 Month corrector
2571 Day corrector spring
2572 Date corrector spring
2576 Date jumper
2577 Day jumper
2578 Month jumper
2580 Month corrector spring
2587/1 Moon phase star, transferred
2588 Moon phase jumper
2590 Moon phase corrector
2593 Moon phase corrector spring
2597 Moon phase star driving wheel
2599 Intermediate moon phase wheel
2615 Date finger driving wheel

5750 Dial screw - 52551 Calendar plate screw - 52561 Day star screw - 52562 Month star screw - 52566 Date corrector screw - 52567 Day corrector screw - 52567¹ Safety screw for day corrector - 52568 Month corrector screw - 52571 Screw for day corrector spring - 52572 Screw for date corrector spring - 52576 Date jumper screw - 52577 Day jumper screw - 52578 Month jumper screw - 52580 Screw for month corrector spring - 52587 Moon phase star screw - 52588 Moon phase jumper screw - 52590 Moon phase corrector screw - 52593 Screw for moon phase corrector spring - 52597 Moon phase star driving wheel screw - 52599 Screw for intermediate moon phase wheel - 52615 Date finger driving wheel screw.

All parts not listed above are exactly the same as for caliber 1361, with the exception of plate 100 and dial screw 5750, of which there are special types for caliber 1402.

When ordering parts for a shock-protecting device, make certain to specify its exact type. For further details of the description and numbering of spare parts, see Technical Communication No. 4 (AS, cal. 1361) or the "Technological Dictionary of Watch Parts", 2nd edition, published by Ebauches S. A.

Order repair parts through your jobber, giving the numbers and designations, thus insuring prompt and efficient deliveries.

P. Attinger S. A., Neuchâtel