

JAEGER-LECOULTRE

For the Workshop

SUPPLEMENTARY REPAIR NOTES

CALIBRE No. 825
MEMOVOX
alarm wristwatch
AUTOMATIC
CALENDAR



CHARACTERISTICS:

Basic movement

- As for calibre 815

Calendar movement

- Aperture at 3 o'clock.
- Safety lock to prevent accidental rotation of the date indicator.
- Rapid date setting by alternate rotation of the winding stem. (hands between 23 hrs. and 2 hrs.)

Numbers in a circle — for example ① — attached to the guide lines of different figures indicate the order in which the pieces should be reassembled. To dismantle, proceed in the opposite order. The name of each piece and the number following after it are the exact descriptions of the spare parts and correspond to those used in the «Dictionnaire Technologique des Parties de la Montre», published by the F.H. (see the LeCoultre catalogue of spare parts).

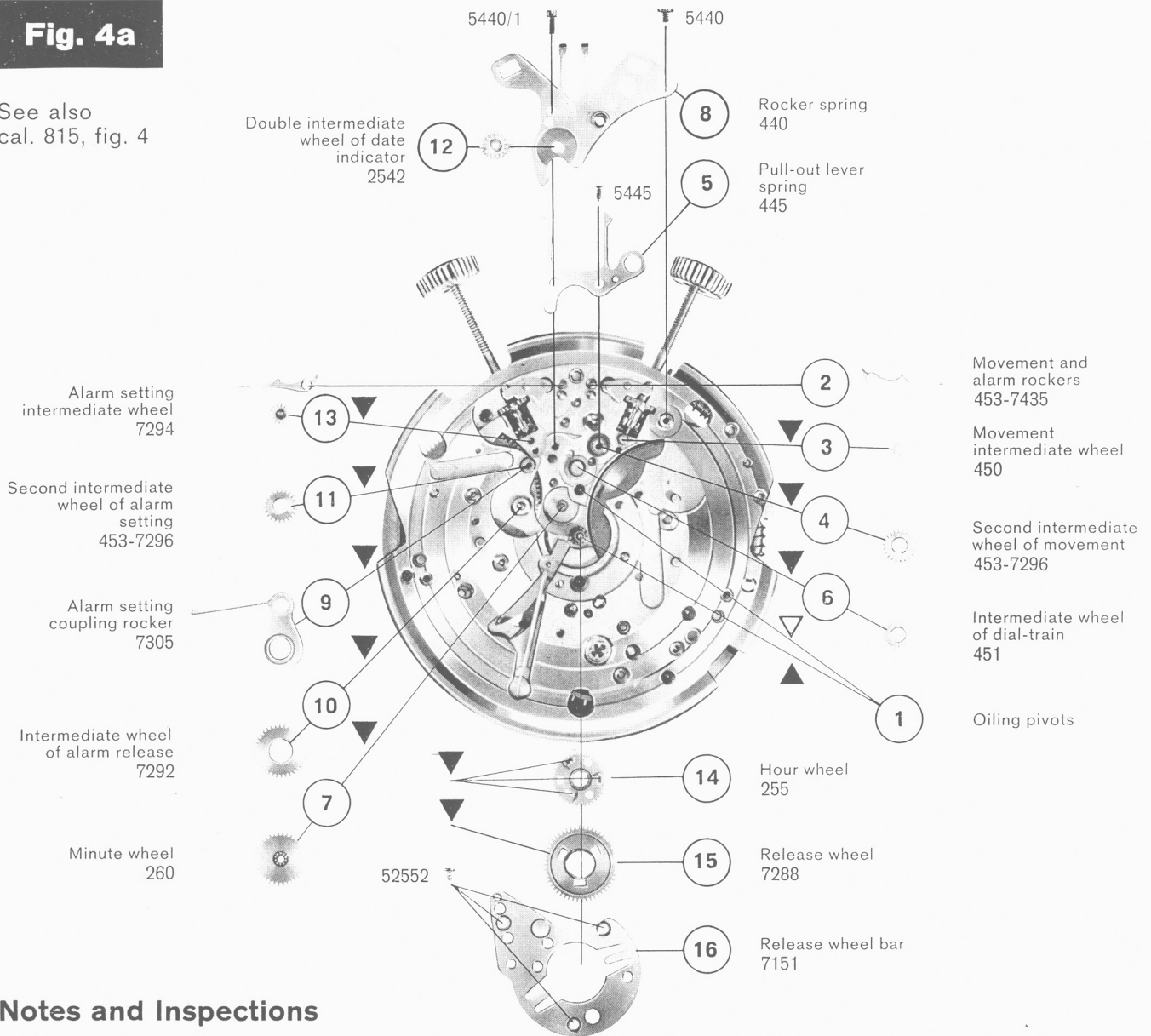
IMPORTANT

- Refer to the Repair Instructions for Calibre 815, figures 1, 2, 3, 6 and 7.
- Numbers 4a and 5a in these instructions replace numbers 4 and 5 in the Calibre 815 instructions.

Assembling the Alarm and Hour Setting Mechanism

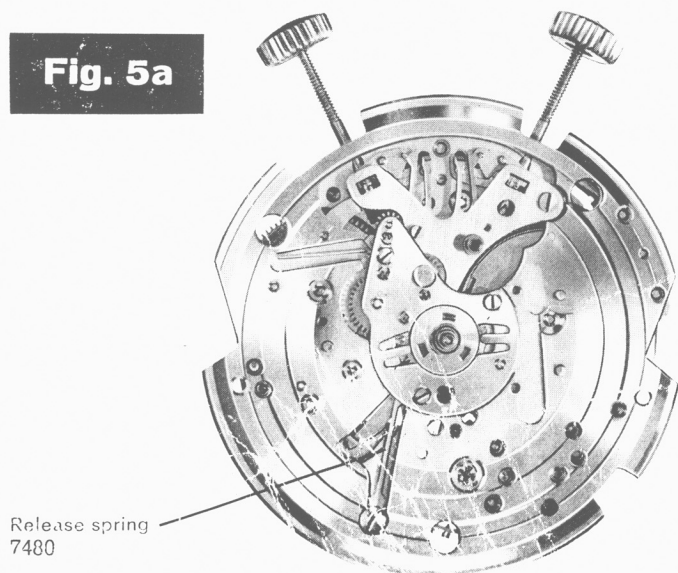
Fig. 4a

See also cal. 815, fig. 4



Notes and Inspections

Fig. 5a

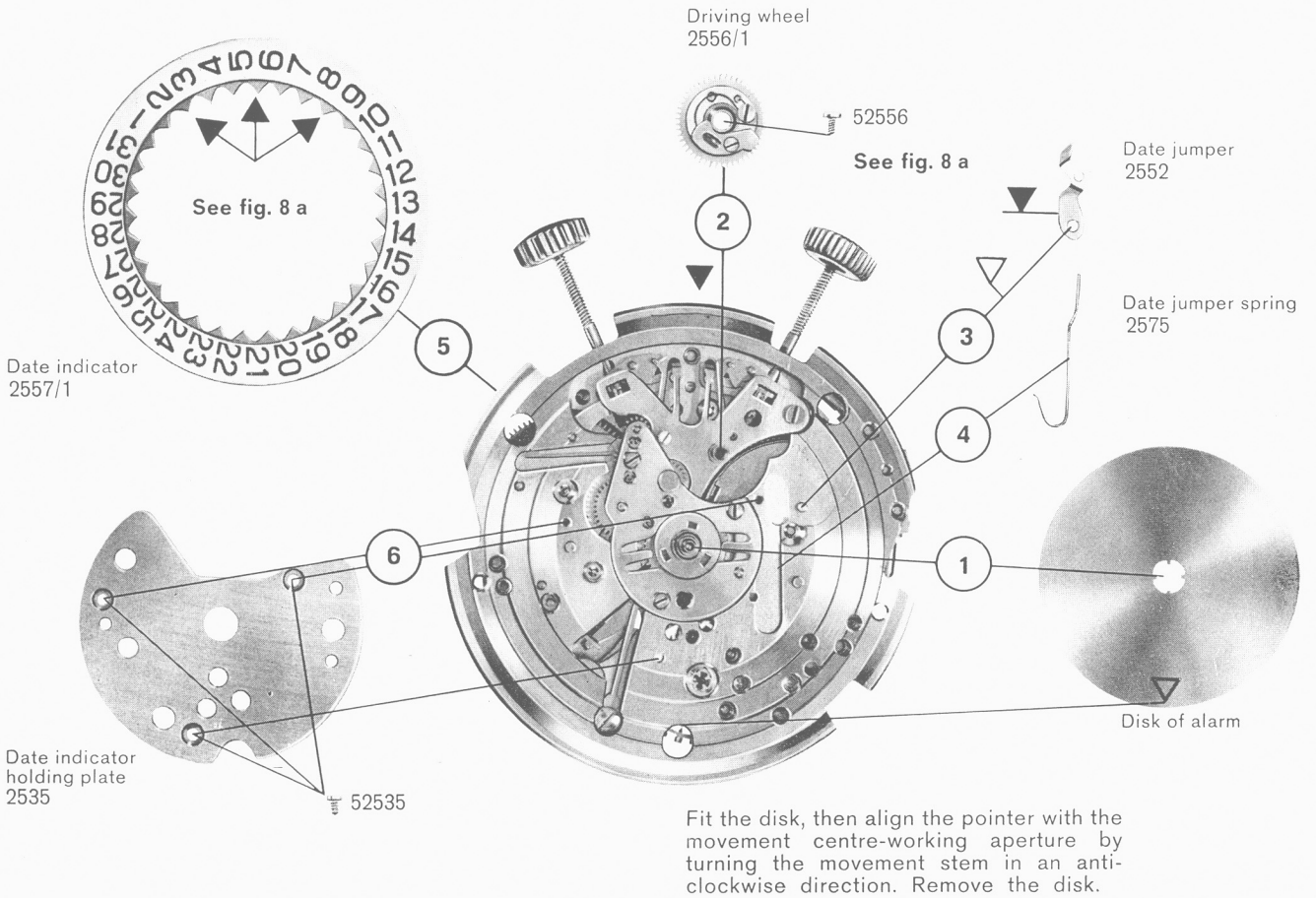


- 1 The release spring 7480 must be well-centred in its recess to allow it to work over the whole of its length.
- 2 Pull out the movement winding stem and test the hour setting in both directions.
- 3 Test likewise with the winding-stem of the alarm. Note that this moves the release wheel in one direction only.
- 4 Inspect the alarm brake by pulling out the alarm winding-stem whilst the alarm is sounding

Assembly of Calendar Mechanism

To carry out the assembly of the calendar movement, the main spring must be let down.

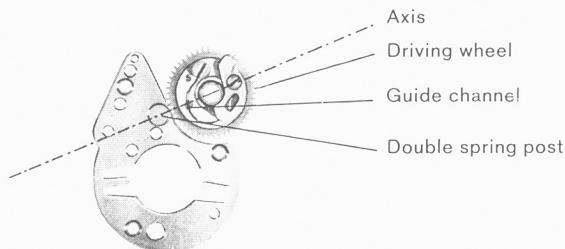
Fig. 8



Instructions for Assembly of Calendar Mechanism

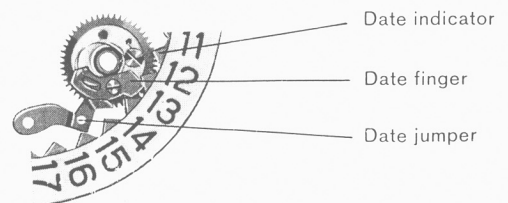
Fig. 8a

Fitting the Driving Wheel



Align the driving wheel with the center wheel – guide channel – double spring post.

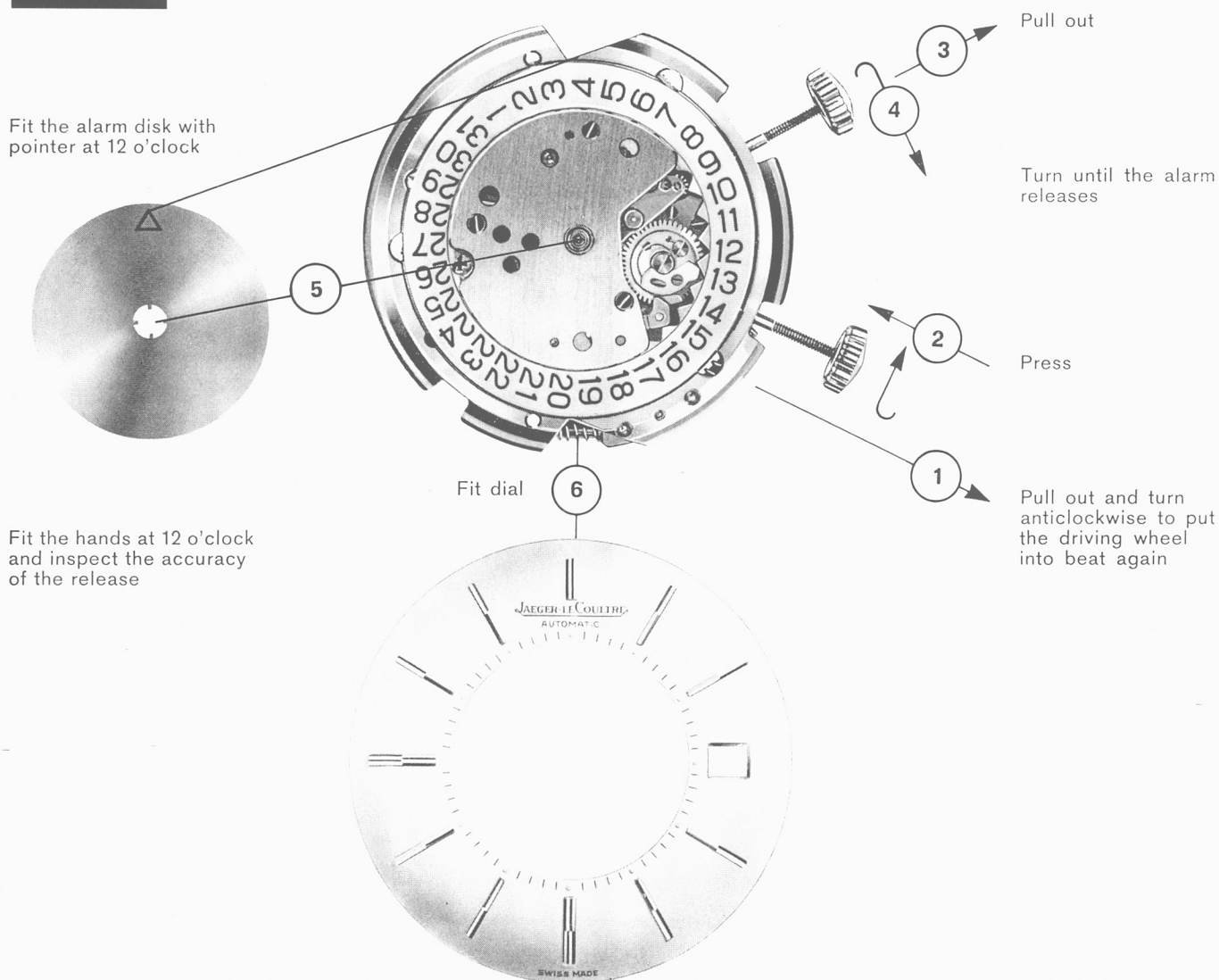
Fitting the Date Indicator



Fit the date indicator with the finger and the jumper in working position.

Fitting the Dial and Hands

Fig. 9

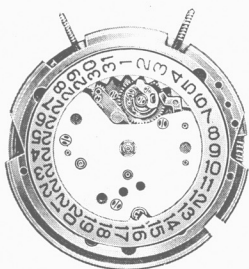


Lubrication of Calendar Mechanism

- Bearings:  Fine oil
- Moving parts:  Liquid grease

Notes concerning the lubrication of moving parts

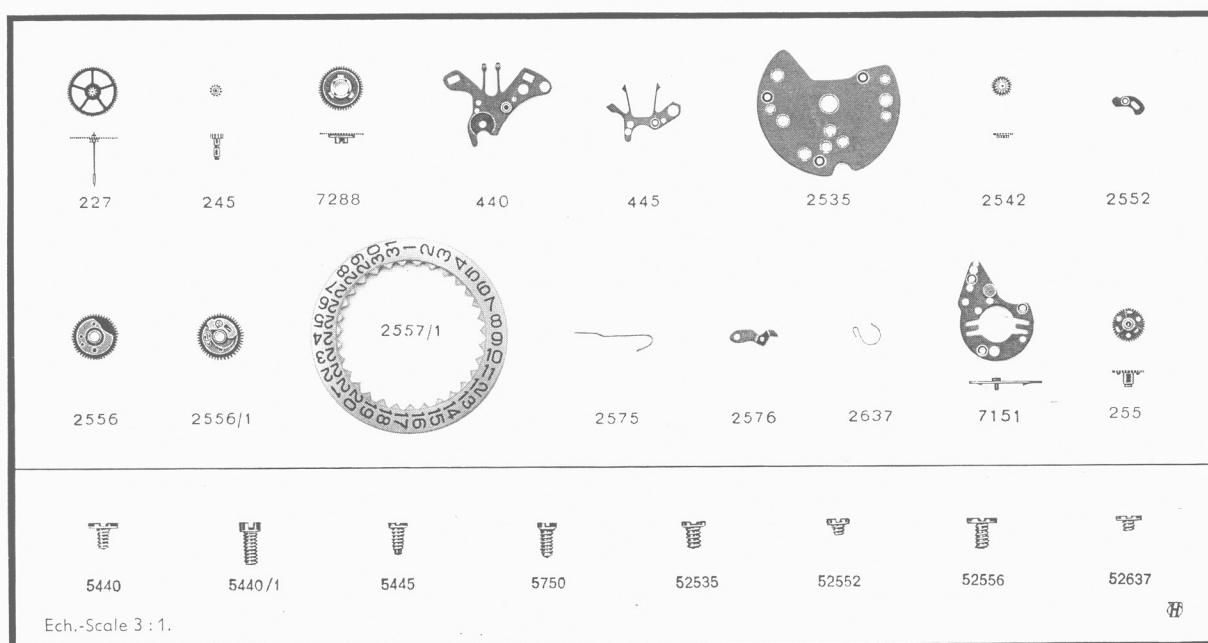
- 1 Date indicator: grease a few teeth with the aid of a wooden pin.
- 2 Date jumper: lightly grease the support of the date jumper spring.



Calibre à remontage automatique
 Dispositif réveil
 Quantième à guichet
 Seconde au centre directe
 17 pierres — pare-chocs
 18 000 alternances/heure
 Balancier Ø 9,20 mm.
 Diamètre encadrement: 31,60 mm.
 Hauteur totale: 7,50 mm.
 Ø filetage tige de remontoir: 0,90 mm.
 Dimensions ressort barillet mouvement:
 L. 415 mm. H. 1,15 mm. E. 0,10 mm.
 Dimensions ressort barillet réveil:
 L. 400 mm. H. 2,00 mm. E. 0,075 mm.

CAL. 825
BASE : CAL. 815

LE COULTRE



Ech.-Scale 3 : 1.

*227	Roue de seconde au centre	2575	Ressort du sautoir de quantième	*227	Sweep second wheel and pinion	2575	Date jumper spring
*245	Chaussée lanterne p. seconde au centre (indiq. la hauteur)	2576	Sautoir de quantième	*245	Cannon pinion with clam notch, for sweep second (indicate height)	2576	Date jumper
*7288	Roue des heures p. seconde au centre (indiquer la hauteur)	2637	Ressort au doigt de quantième	*7288	Hour wheel for sweep second (indicate height)	2637	Spring for date finger
*440	Ressort de bascule	*7151	Pont de roue de déclenchement	*440	Yoke spring (set spring)	*7151	Unlocking wheel bridge
*445	Ressort de tirette	*255	Roue de déclenchement	*445	Setting-lever spring (set bridge)	*255	Unlocking wheel
2535	Plaque de maintien de l'indicateur de quantième	*5440	Vis ressort de bascule (grand diamètre)	2535	Date indicator guard	*5440	Yoke spring screw (big diameter)
2542	Renvoi double de quantième	*5440/1	Vis ressort de bascule (petit diamètre)	2542	Double calendar setting-wheel	*5440/1	Yoke spring screw (small diameter)
2552	Doigt de quantième	*5445	Vis ressort de tirette	2552	Date finger	*5445	Screw for setting-lever spring
2556	Roue entraîneuse de l'indicateur de quantième	*5750	Vis de cadran	2556	Date indicator driving wheel	*5750	Dial screw
2556/1	Roue entraîneuse de l'indicateur de quantième, montée	52535	Vis de plaque de maintien de l'indicateur de quantième	2556	Date indicator driving wheel	52535	Screw for date indicator guard
2557/1	Indicateur de quantième, décalqué	52552	Vis du doigt de quantième	2557/1	Date indicator driving wheel, mounted	52552	Screw for date finger
		52556	Vis roue entraîneuse de l'indicateur de quantième	2557/1	Date indicator, transferred	52556	Screw for date indicator driving wheel
		52637	Vis ressort du doigt de quantième			52637	Screw for spring for date finger

* Fournitures existant dans le calibre 815, **mais modifiées** pour le calibre 825.

* Materials existing in the calibre 815, **but changed** for the calibre 825.

Toutes les autres fournitures du calibre 825 sont identiques à celles du calibre 815.

All other materials for calibre 825 are identical to those of calibre 815.