83	Horology
83a	Non-electric clocks and watches, calendar clocks, self-setting calendars similar to calendar clocks
83b	Electric clocks
83c	Machines, tools and devices for watch-making and clock-making
83d	Measuring of short durations, precise time measuring
83a	Non-electric clocks and watches (electric 83b), calendar clocks, self-setting calendars similar to calendar clocks
	Clock and watch drives
83a-1	Clock and watch springs
83a-2	Spring housings for clocks and watches
83a-3	Mainspring fastenings: safety devices in case of and against breakage; regulators for clocks and watches
83a-4/01	Pocket watch drives
83a-4/50	Wristwatch drives (pocket watch drives 83a-4/01; drives for large clocks 83a-9)
83a-5	Drives for clocks with several springs, with weights and springs
83a-6	Drives for clocks with main and secondary springs
83a-7	Drives for clocks having a long running period
83a-8	Weight drives for clocks, clock as driving weight
83a-9	Drives for large clocks
	Clock trains and ratchet mechanisms
83a-10	Pinions and arbors for clock and watch drives
83a-11	Running ratchet mechanisms for clocks and watches
	Indicating devices for clocks and watches and clocks and watches characterised by such devices
83a-12	Hands for clocks and watches
83a-13/01	Simple dials and divisions for clocks and watches
83a-13/10	Alternate dials for clocks, i.e. dials for alternate indication of time from 1-12 or from 13-24 o'clock
83a-14	Dial fastening for clocks and watches
83a-15	Clocks and watches indicating different local times
83a-16	Clocks and watches with shifting figures, rotating dials, belts
83a-17	Clocks in which time is read by touch, watches for the blind
83a-18/01	Illumination in and on clocks and watches, night clocks and watches (clock and watch stands 34I-22)
83a-18/02	Luminous materials for clocks and watches
83a-19	Miscellaneous details for the indicating devices of clocks and watches
	Regulators for clocks and watches
83a-20	Pendulums
83a-21	Torsion pendulums
83a-22	Beat regulation for pendulums
83a-23/01	Balances and regulators
83a-23/02	Hairsprings, collets, studs
83a-23/03	Regulators
83a-24	Compensation for clocks and watches
83a-25	Timepieces in which the works are partially or entirely visible

83a-26	Shifting bridges and other setting devices for clocks and watches, escapements mounted in special frames [rotary escapements]
83a-27	Escape wheels, anchor structures, and means of limiting the movement of the anchor in clocks and watches
83a-28	Free escapements for clocks and watches
83a-29	Free anchor escapements for clocks and watches
83a-30	Miscellaneous escapements for clocks and watches, constant drive
83a-31	Torsion pendulum escapements for clocks
83a-32	Liquid escapements for clocks
	Winding devices or winders for clocks (electrical winders 83b-7)
83a-33	Winding devices for wall clocks and floor clocks
83a-34	Vibration winders, winding devices for clocks driven by wind or water power, or intermittently operating
83a-35	Thermometric and barometric clock winding devices (electric winding devices 83b-7/20)
83a-36	Indicating devices showing the running-down of the clock work
83a-37	Clock and watch keys
83a-38	Knob winders with Breguet clicks
83a-39	Knob winders for watches and clocks with yokes
83a-40	Knob winders for watches and clocks in which the stem is shifted for connecting and disconnecting
83a-41	Miscellaneous winding and setting devices for pocket watches, except 83a-38 – 83a-40
83a-42	Bow fasteners and pendants fastening of winding stems in watches and clocks, winding knobs for watches and clocks
	Clock and watch cases and frames
83a-43	Clock and watch stands
83a-44	Hangers for clocks and watches
83a-45	Frames and cases for wall and grandfather clocks
83a-46/01	Frames and cases for pocket watches
83a-46/50	Frames and case parts for wristwatches (watchbands and their fastening to the casing of the watch 44a-39)
83a-47	Holding of the movement by means of the winding stem and other ways of fastening clocks or watches
83a-48	Jewel fastenings and bearings for clocks and watches (supporting of fine drive mechanisms for general purpose 47i-1)
83a-49	Protective devices for clocks and watches (protective covers and screens for clocks and watches 33b-12/04)
83a-50/01	Separate parts of cases and frames for clocks and watches
83a-50/02	Watch and clock crystals and their mounting
83a-50/03	Covers, hinges, latches, springs
83a-51/01	Ornamentation of clocks and watches, also by combination with mirrors, photographs, etc.
83a-51/02	Pocket travelling clocks
83a-52	Special structures of clock and watch cases and frames
	Striking mechanisms for clocks (electrical striking mechanisms 38b-6)
83a-53	Locking-plate [count-wheel] striking mechanisms for clocks
83a-54	Rack-and-snail striking mechanisms for clocks
83a-55	Wheel-like gathering pallets for clock striking mechanisms
83a-56	Rotation rack by barrel wheels and the like, for clock striking mechanisms
83a-57	Noiseless rack movements for clocks
83a-58	Winding of clock driving mechanism through the striking mechanism and vice versa

83a-59 83a-60/01	Repeating striking mechanisms, quarter-hour striking mechanisms Shiftable and adjustable hammers, disconnecting the hammer shaft in striking mechanisms for clocks
83a-60/02	Hammer heads
83a-61	Sounding devices for the striking mechanisms of clocks (51d-19)
83a-62	Details of various striking mechanisms, flies, friction regulators and the like (46e-7; 60-8; 60-9; 77f-14; 77f-15; 77f-29/00 – 77f-31/08)
83a-63/01	Striking mechanisms of special construction
83a-63/02	Self-adjusting striking mechanisms
	Alarm clocks (electric alarm clocks with remote display or signal 74a-13 – 74a-20)
83a-64	Simple alarm clocks
83a-65	Alarm clocks with automatic disconnecting and stopping device
83a-66	Alarm clocks which may be set for a number of different times
83a-67	Alarm clocks which may be set to the minute
83a-68	Alarm clocks with 24-hour release
83a-69	Alarm clocks which operate for a number of days on one winding
83a-70	Repeating alarm clocks, i.e. with bells sounding at intervals, variable sound intensity or pre-signal
83a-71	Alarm clocks in combination with beds
83a-72	Alarm clocks connected with light switches (4d-28; 21c-40; 34l-8; 74a-17)
83a-73	Alarm clocks with devices producing music and other operations (83a-83)
83a-74	Means for preventing improper turning of the alarm hand in alarm clocks
83a-75	Pocket alarm clocks
	Clocks with secondary mechanisms
83a-76	Clocks with cuckoo or other bird calls, clocks with trumpets
83a-77	Clocks with phonographs, musical clocks (musical alarm clocks 83a-73)
83a-78	Calendar clocks, self-setting calendars similar to calendar clocks (42n-12/07)
83a-79	Clocks with moving figures; art or figurine clocks
	Special kinds of timepieces
83a-80	Timepieces using liquids, clepsydras, sun dials
83a-81	Pneumatic and hydraulic clocks
83a-82	Clocks with hidden works
83a-83	Clocks with pedometers, barometers, compasses, amusing toys and the like
83a-86	Antimagnetic clocks and watches (83c-8)
83b	Electric clocks (electric alarm clocks 74a)
83b-1/01	Independent clocks with pendulum escapement
83b-1/02	Independent clocks with balance escapement
83b-1/03	Miscellaneous independent electric clocks
83b-1/10	Contact devices in master clocks for the operation of slave clocks
83b-2/01	Impulse-driven slave clocks
83b-2/10	Clocks driven by means of synchronous motors (synchronous motors 21d2-16)
83b-2/20	Clock systems, circuits
83b-3	Switching devices for electric clocks (21g-3)
83b-4	Electrically driven devices for the setting of the hands of clocks
83b-5	Electric regulating devices for clocks
83b-6	Electrically driven striking mechanisms
83b-7/01	Clocks wound by means of electromagnets
83b-7/10	Clocks wound by means of electric motors
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83b-7/20	Other electrically driven winding mechanisms for clocks; by means of hot wires, electro-pneumatically, etc. (non-electric winding devices 83a-35)
83c	Machines, tools and devices for watch-making and clock-making
83c-1	Wheel cutting and rounding-up machines for watchmakers and clockmakers
83c-2	Lathers and turns for watchmakers and clockmakers
83c-3/01	Watchmakers' and clockmakers' tools in general
83c-3/10	Devices for the cleaning of watches, clocks and components
83c-4	Milling machines of various kinds for watches and clocks
83c-5	Jewel-mounting tools for watchmakers and clockmakers
83c-6	Pliers and holding devices for watchmakers and clockmakers
83c-7	Tools for the hands and dials of clocks and watches
83c-8	Measuring, counting and regulating devices for watchmakers and clockmakers, demagnetising devices
83d	Measuring of short durations, precise time measuring
83d-1	Mechanical stop watches
83d-2	Electric stop watches (electric clocks 83b)
83d-3	Second counters
83d-4	Hour glasses, egg timers, metering clocks and the like (signal and warning clocks 74a-15 – 74a-17, 74a-19)
83d-5	Methods and circuits for the measuring of short durations and for precise time measuring independently form the applications (relaxation oscillations, general 21g-38, 21g-36/02; for other special applications 21a1-35/21, 21e-28/02, 51f-2/03, 74d-8/04, 74d-8/54)
83d-6	Devices for the measuring of short durations or for precise time measuring independently from the application (time checking devices 43a-36)