

**G07 CHECKING-DEVICES****G07B TICKET-ISSUING APPARATUS; FARE-REGISTERING APPARATUS; FRANKING APPARATUS****Subclass Index**

MACHINES FOR PRINTING OR ISSUING TICKETS; DETAILS THEREOF.....	1/00, 3/00; 5/00	TAXIMETERS; APPARATUS FOR COLLECTING FARES OR FEES .....	13/00; 15/00
OTHER APPARATUS OR SYSTEMS CONCERNING TICKETS		FRANKING APPARATUS .....	17/00
Holders; punches; validating; cancelling .....	7/00; 9/00; 11/00		
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<b>1/00</b> <b>Machines for printing and issuing tickets</b> (printing mechanisms <u>per se</u> B41; output mechanisms of digital computers G06C 11/00)		11/03   . . . by printing [2]	
1/02   . employing selectable printing plates		11/05   . . . by perforating [2]	
1/04   . . wherein the plates are inserted		11/07   . . . by separating part of ticket [2]	
1/06   . without selectable printing plates		11/09   . . . combined with receptacle for separated part of ticket (refuse receptacles in general B65F 1/00) [2]	
1/08   . portable		11/11   . for cancelling tickets [2]	
<b>3/00</b> <b>Machines for issuing preprinted tickets</b>		<b>13/00</b> <b>Taximeters</b> (measuring distance travelled G01C; measuring time G04)	
3/02   . from stock in wound strip form		13/02   . Details; Accessories	
3/04   . from a stack		13/04   . . . for indicating fare or state of hire	
<b>5/00</b> <b>Details of, or auxiliary devices for, ticket-issuing           machines</b> (for validating inserted tickets G07B 11/02)		13/06   . . . Driving arrangements	
5/02   . for cutting-off or separating tickets		13/08   . . . Tariff-changing arrangements	
5/04   . for recording or registering tickets issued		13/10   . . . . automatically actuated	
5/06   . for preventing fraudulent operation		<b>15/00</b> <b>Arrangements or apparatus for collecting fares, tolls,           or entrance fees at a control point</b> (coin-handling aspects G07D; vending or hiring apparatus actuated by tokens or tickets G07F 7/00, G07F 17/00)	
5/08   . for avoiding incorrect action of the machine		15/02   . with provision for taking into account a variable factor such as distance or time, e.g. for passenger transport	
5/10   . . indicating when ticket supply is exhausted		15/04   . . . comprising devices to free a barrier, turnstile, or the like (coin-freed turnstiles in general G07C 9/00)	
5/12   . allowing manual writing on the tickets		<b>17/00</b> <b>Franking apparatus</b> (printing aspects B41)	
<b>7/00</b> <b>Holders providing direct manual access to the tickets</b>		17/02   . with means for computing or counting	
<b>9/00</b> <b>Ticket punches</b> (perforating pliers B26F 1/36; marking record carriers in digital fashion by punching G06K 1/02)		17/04   . with means for avoiding misuse	
9/02   . Toy ticket-punches			
<b>11/00</b> <b>Apparatus for validating or cancelling issued           tickets</b> [2]			
11/02   . for validating inserted tickets			

**G07C TIME OR ATTENDANCE REGISTERS; REGISTERING OR INDICATING THE WORKING OF MACHINES; GENERATING RANDOM NUMBERS; VOTING OR LOTTERY APPARATUS; ARRANGEMENTS, SYSTEMS, OR APPARATUS FOR CHECKING NOT PROVIDED FOR ELSEWHERE** (identification of persons, e.g. finger-printing, foot-printing, A61B 5/117; indicating or recording apparatus for measuring in general, analogous apparatus but in which the input is not a variable to be measured, e.g. a hand operation, G01D; clocks, clock mechanisms G04B, G04C; time-interval measuring G04F; counting mechanisms per se G06M)

**Subclass Index**

REGISTERING TIME OF EVENTS OR ELAPSED TIME.....	1/00	INDIVIDUAL ENTRY OR EXIT REGISTERS .....	9/00
REGISTERING THE WORKING OF MACHINES; OF VEHICLES; DETAILS THEREOF .....	3/00; 5/00; 7/00	CHECKING APPARATUS NOT PROVIDED FOR ELSEWHERE.....	11/00
		VOTING APPARATUS; GENERATING RANDOM NUMBERS, LOTTERY APPARATUS .....	13/00; 15/00

- 1/00 Registering, indicating, or recording the time of events or elapsed time, e.g. time-recorders for work people** (registering or indicating the working of machines or vehicles G07C 3/00, G07C 5/00)

#### Note

Groups G07C 1/20 to G07C 1/32 take precedence over groups G07C 1/02 to G07C 1/10.

- 1/02 . . . not involving the registering, indicating, or recording of other data
- 1/04 . . . wherein the time is indicated in figures
- 1/06 . . . . with apparatus adapted for use with individual cards
- 1/08 . . . wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time
- 1/10 . . . together with the recording, indicating, or registering of other data, e.g. of signs of identity (together with the recording of a continuously-varying variable G01D or the appropriate other subclass of class G01, dependent on the variable)
- 1/12 . . . wherein the time is indicated in figures
- 1/14 . . . . with apparatus adapted for use with individual cards
- 1/16 . . . wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time
- 1/18 . . . . with apparatus adapted for use with individual cards
- 1/20 . . . Checking timed patrols, e.g. of watchman
- 1/22 . . . in connection with sports or games
- 1/24 . . . Race time-recorders (race-finish cameras G03B 41/00)
- 1/26 . . . Pigeon-timing or like equipment
- 1/28 . . . Indicating playing time
- 1/30 . . . Parking meters (registering or indicating waiting time of vehicles by means driven by the vehicle G07C 5/02; coin-freed parking meters G07F 17/24)
- 1/32 . . . Time-recording locks (locks giving indication of unauthorised unlocking E05B 39/00)
- 3/00 Registering or indicating the condition or the working of machines or other apparatus, other than vehicles** (engine indicators G01L; testing apparatus incident to its manufacture G01M; signalling arrangements *per se*, indicating undesired or abnormal working conditions G08B)
- 3/02 . . . Registering or indicating working or idle time only

- 3/04 . . . using counting means or digital clocks
- 3/06 . . . in graphical form
- 3/08 . . . Registering or indicating the production of the machine either with or without registering working or idle time
- 3/10 . . . using counting means
- 3/12 . . . in graphical form
- 3/14 . . . Quality control systems

- 5/00 Registering or indicating the working of vehicles** (for measuring distance travelled or combinations of speed and distance G01C; engine indicators G01L; devices for measuring speed or acceleration G01P; apparatus forming part of taximeters G07B)

- 5/02 . . . Registering or indicating driving, working, idle, or waiting time only
- 5/04 . . . using counting means or digital clocks
- 5/06 . . . in graphical form
- 5/08 . . . Registering or indicating performance data other than driving, working, idle, or waiting time, with or without registering driving, working, idle, or waiting time
- 5/10 . . . using counting means or digital clocks
- 5/12 . . . in graphical form

- 7/00 Details or accessories common to the registering or indicating apparatus of groups G07C 3/00 and G07C 5/00**

- 9/00 Individual entry or exit registers**

- 9/02 . . . Turnstiles with registering means (coin-freed aspects G07F)

- 11/00 Arrangements, systems, or apparatus for checking, e.g. the occurrence of a condition, not provided for elsewhere** (for checking lottos or bingo games A63F 3/06; signalling or alarm arrangements G08B)

- 13/00 Voting apparatus**

- 13/02 . . . Ballot boxes

- 15/00 Generating random numbers; Lottery apparatus** (digital computer arrangements for generating random or pseudo-random numbers G06F 7/58; generating electric pulses at random intervals H03K 3/84) [3]

## G07D SORTING, TESTING, CHANGING, DELIVERING, OR OTHERWISE HANDLING COINS; TESTING OR CHANGING PAPER CURRENCY; TESTING SECURITIES, BONDS, OR SIMILAR VALUABLE PAPERS (sorting in general B07C) [2]

#### Note

In this subclass, the following term is used with the meaning indicated:

- “coins” covers also tokens or the like.

#### 1/00 Coin deliverers

- 1/02 . . . giving change (coin-actuated mechanisms in general G07F)
- 1/04 . . . dispensing change equal to a sum deposited

- 1/06 . . . dispensing the difference between a sum paid and a sum charged
- 1/08 . . . hand actuated

<b>3/00</b>	<b>Apparatus separating a mixed bulk of currency into its denominations</b> (sorting by coin weight G01G) [1,7]	<b>Note</b>	
3/02	• Sorting by means of graded apertures		Groups G07D 7/16 to G07D 7/20 take precedence over groups G07D 7/02 to G07D 7/14 [7]
3/04	• . . arranged on an inclined rail	7/02	• using electric means (G07D 7/04, G07D 7/06 take precedence) [7]
3/06	• . . arranged along a circular path	7/04	• using magnetic means, e.g. detection of magnetic imprint [7]
3/08	• . . arranged on a helix	7/06	• using wave or particle radiation [7]
3/10	• . . provided by sieves arranged in series	7/08	• . . Acoustic waves [7]
3/12	• Sorting by means of stepped deflectors	7/10	• . . Microwaves [7]
3/14	• driven under control of coin-sensing elements	7/12	• . . Visible light, infra-red or ultra-violet radiation [7]
3/16	• combined with coin-counting apparatus	7/14	• using chemical means [7]
		7/16	• Testing the dimensions [7]
		7/18	• Testing the stiffness [7]
		7/20	• Testing patterns thereon [7]
<b>5/00</b>	<b>Testing specially adapted to determine the identity or genuineness of coins, e.g. for segregating coins which are unacceptable or alien to a currency</b> (apparatus separating a mixed bulk of currency into its denominations G07D 3/00) [1,7]	<b>9/00</b>	<b>Devices for facilitating the handling of coins, not provided for in groups G07D 1/00 to G07D 5/00, G07D 11/00 or G07D 13/00</b> (of paper currency B65H); <b>Devices for counting coins</b> (counting by weighing G01G; counting paper currency G06M)
<b>Note</b>	In groups G07D 5/02 to G07D 5/10, in the absence of an indication to the contrary, classification is made in the last appropriate place. [3]	9/02	• Change trays
5/02	• Testing the dimensions, e.g. thickness, diameter; Testing the deformation [3]	9/04	• Hand- or motor-driven devices for counting coins (counting mechanisms in general G06M)
5/04	• Testing the weight [3]	9/06	• Devices for stacking or otherwise arranging coins on a support, e.g. apertured plate for use in counting coins
5/06	• Testing the hardness or elasticity [3]		
5/08	• Testing the magnetic or electric properties [3]	<b>11/00</b>	<b>Devices accepting coins or paper currencies, e.g. depositing machines</b> (coin-freed or like apparatus G07F, e.g. complete banking systems G07F 19/00) [5]
5/10	• Testing the rim, e.g. the milling of the rim [3]	<b>13/00</b>	<b>Handling coins or paper currencies characterised by a combination of mechanisms not covered by a single one of groups G07D 1/00 to G07D 11/00</b> (handling coins or paper currencies in combination with coin-freed or like apparatus G07F) [5]
<b>7/00</b>	<b>Testing paper currency, securities, bonds, or similar valuable papers for genuineness</b> (methods or arrangements for verifying the correctness of markings on a record carrier G06K 5/00) [2]		

## G07F COIN-FREED OR LIKE APPARATUS (coin sorting G07D 3/00; coin testing G07D 5/00) [1,7]

### Notes

- (1) This subclass does not cover constructions or details of apparatus which includes, or is combined with, coin-actuated mechanisms but is not specially adapted or modified for use therewith. Such constructions or details are covered by the relevant subclass for the particular apparatus.
- (2) In this subclass, the following term is used with the meaning indicated:
  - “coins” covers also tokens or the like.

### Subclass Index

#### ARRANGEMENTS OR MECHANISMS IN GENERAL

Coin inlet; coin actuation; others..... 1/00; 5/00; 7/00

#### APPARATUS CHARACTERISED BY THE APPLICATION

Dispensing; metering; hiring..... 11/00, 13/00; 15/00; 17/00

COMPLETE BANKING SYSTEMS ..... 19/00

DETAILS NOT PECULIAR TO SPECIAL

KINDS OR TYPES OF APPARATUS..... 9/00

**1/00** **Coin inlet arrangements; Coins specially adapted to operate coin-freed mechanisms** (coins in general A44C)

1/02 • Coin slots

1/04 • Coin chutes

1/06 • Coins specially adapted to operate coin-freed mechanisms

**5/00** **Coin-actuated mechanisms; Interlocks**

5/02 • actuated mechanically by coins, e.g. by a single coin

- 5/04 . . wherein two or more coins of the same denomination are required for each transaction
- 5/06 . . wherein two or more coins of different denominations are required for each transaction
- 5/08 . . wherein the use of two or more coins or an equivalent single coin is optional for each transaction; wherein the use of two or more coins or an alternative equivalent combination of coins is optional for each transaction
- 5/10 . actuated electrically by the coin, e.g. by a single coin
- 5/12 . . wherein two or more coins of the same denomination are required for each transaction
- 5/14 . . wherein two or more coins of different denominations are required for each transaction
- 5/16 . . wherein the use of two or more coins or an equivalent single coin is optional for each transaction; wherein the use of two or more coins or an alternative equivalent combination of coins is optional for each transaction
- 5/18 . specially adapted for controlling several coin-freeed apparatus from one place (interlocks G07F 5/26)
- 5/20 . specially adapted for registering coins as credit, e.g. mechanically actuated
- 5/22 . . electrically actuated
- 5/24 . with change-giving (coin-changing mechanisms per se G07D)
- 5/26 . Interlocks, e.g. for locking the doors of compartments other than that to be used
- 7/00 Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus** (complete banking systems G07F 19/00; handling coins or paper currencies apart from coin-freeed or like apparatus G07D) [2]
  - 7/02 . by keys or other credit registering devices (for producing a coded signal for use together with coded identity cards G07F 7/10) [2]
  - 7/04 . by paper currency
  - 7/06 . by returnable containers, e.g. bottles
  - 7/08 . by coded identity card or credit card [2]
  - 7/10 . . together with a coded signal [2]
  - 7/12 . . Card verification [5]
- 9/00 Details other than those peculiar to special kinds or types of apparatus** (coin inlet arrangements G07F 1/00; coin-actuated mechanisms, interlocks G07F 5/00)
  - 9/02 . Devices for alarm or indication, e.g. when empty; Advertising arrangements in coin-freeed apparatus (alarms or warning devices indicating the interruption of flow to be metered G07F 15/10)
  - 9/04 . Means for returning surplus or unused coins
  - 9/06 . Coin boxes
  - 9/08 . Counting total of coins inserted
  - 9/10 . Casings, e.g. with means for heating or cooling
- 11/00 Coin-freeed apparatus for dispensing, or the like, discrete articles**
  - 11/02 . from non-movable magazines
  - 11/04 . . in which magazines the articles are stored one vertically above the other
  - 11/06 . . . supported individually on pivotally-mounted flaps or shelves
  - 11/08 . . . arranged in two columns in staggered relationship
  - 11/10 . . . two or more magazines having a common delivery chute
  - 11/12 . . . with means for automatically changing to reserve stacks
  - 11/14 . . . with means for raising the stack of articles to permit delivery of the topmost
  - 11/16 . . . Delivery means
  - 11/18 . . . Recessed drawers
  - 11/20 . . . Pushers actuated directly by hand
  - 11/22 . . . Pushers actuated indirectly by hand, e.g. through cranks or levers
  - 11/24 . . . . Rotary or oscillatory members
  - 11/26 . . . . Endless bands
  - 11/28 . . in which the magazines are inclined
  - 11/30 . . . two or more magazines having independent delivery
  - 11/32 . . . two or more magazines having a common delivery chute
  - 11/34 . . in which the magazines are of zig-zag form
  - 11/36 . . in which the magazines are of helical or spiral form
  - 11/38 . . in which the magazines are horizontal
  - 11/40 . . . the articles being delivered by hand-operated means
  - 11/42 . . . the articles being delivered by motor-driven means
  - 11/44 . . in which magazines the articles are stored in bulk
  - 11/46 . from movable storage containers or supports
  - 11/48 . . the storage containers or supports, e.g. magazine, being pivotally mounted (articles supported on pivotally-mounted flaps or shelves in magazines G07F 11/06)
  - 11/50 . . the storage containers or supports being rotatably mounted
  - 11/52 . . . about horizontal axes
  - 11/54 . . . about vertical axes
  - 11/56 . . . . the storage containers or supports both rotating and moving axially
  - 11/58 . . the articles being supported on or by endless belts or like conveyers
  - 11/60 . . the storage containers or supports being rectilinearly movable (endless belts or like conveyers G07F 11/58)
  - 11/62 . in which the articles are stored in compartments in fixed receptacles
  - 11/64 . in which the articles are individually suspended from stationary supports
  - 11/66 . in which the articles are dispensed by cutting from a mass
  - 11/68 . in which the articles are torn or severed from strips or sheets
  - 11/70 . in which the articles are formed in the apparatus from components, blanks, or material constituents
  - 11/72 . Auxiliary equipments, e.g. for lighting cigars, opening bottles
- 13/00 Coin-freeed apparatus for controlling dispensing of fluids, semiliquids or granular material from reservoirs**
  - 13/02 . by volume
  - 13/04 . by weight
  - 13/06 . with selective dispensing of different fluids or materials or mixtures thereof
  - 13/08 . in the form of a spray
  - 13/10 . with associated dispensing of containers, e.g. cups or other articles (dispensing discrete articles per se G07F 11/00)

- 15/00 Coin-freed apparatus with meter-controlled dispensing of liquid, gas, or electricity** (tariff-metering apparatus in general G01D 4/00)
- 15/02 . in which the quantity mechanism is set forward by hand after insertion of a coin
  - 15/04 . in which the quantity mechanism is set forward automatically by the insertion of a coin
  - 15/06 . with means for prepaying basic charges, e.g. rent for meters
  - 15/08 . with means for varying the tariff or changing the price
  - 15/10 . with alarm or warning devices, e.g. indicating the interrupting of the supply
  - 15/12 . in which metering is on a time basis
- 17/00 Coin-freed apparatus for hiring articles; Coin-freed facilities or services** (picture juke-boxes G03B; prepayment telephone systems H04M 17/00)
- 17/02 . for optical devices, e.g. telescopes
  - 17/04 . for anthropometrical measurements such as weight, height, strength
  - 17/06 . for inflating-pumps
  - 17/08 . for seats or footstools
  - 17/10 . for means for safe-keeping of property, left temporarily, e.g. by fastening the property
  - 17/12 . . comprising lockable containers, e.g. for accepting clothes to be cleaned
  - 17/14 . for fastenings for doors (of containers for safe-keeping G07F 17/12); for turnstiles
  - 17/16 . for devices exhibiting advertisements, announcements, pictures, or the like
- 17/18 . for washing or drying persons
  - 17/20 . for washing or drying articles, e.g. clothes, motor cars
  - 17/22 . for cleaning and polishing boots or shoes
  - 17/24 . for parking meters (devices for checking parking time G07C 1/30)
  - 17/26 . for printing, stamping, franking, typing, or teleprinting apparatus (ticket printing or like apparatus G07F 17/42)
  - 17/28 . for radio apparatus (television subscription systems H04N 7/16)
  - 17/30 . for musical instruments (recording or playback apparatus G11B)
  - 17/32 . for games, toys, sports, or amusements
  - 17/34 . . depending on the stopping of moving members, e.g. "fruit" machines
  - 17/36 . . Age, character, or fortune telling apparatus
  - 17/38 . . Ball games; Shooting apparatus
  - 17/40 . for devices for accepting orders, advertisements, or the like
  - 17/42 . for ticket printing or like apparatus
- 19/00 Complete banking systems; Coded card-freed arrangements adapted for dispensing or receiving monies or the like and posting such transactions to existing accounts, e.g. automatic teller machines** (mechanisms in general actuated by objects other than coins G07F 7/00; data processing equipment for bank accounting G06Q 40/00; handling coins or paper currencies apart from coin-freed or like apparatus G07D) [5]

**G07G REGISTERING THE RECEIPT OF CASH, VALUABLES, OR TOKENS** (digital computing in general G06C, G06F) [4]

- 1/00 Cash registers** (alarm indicators G07G 3/00)
- 1/01 . Details for indicating (displaying information in general G09F, G09G) [4]
  - 1/06 . . with provision for the noting of the money to be paid [4]
  - 1/08 . . with rotating drums which display the money entered [4]
  - 1/10 . mechanically operated [4]
- 1/12 . electronically operated (digital data processing aspects G06Q 20/00) [4]
  - 1/14 . . Systems including one or more distant stations co-operating with a central processing unit (data transmission in general H04L; telemetry systems for selectively calling a substation from a main station H04Q 9/00) [4]
- 3/00 Alarm indicators, e.g. bells**
- 5/00 Receipt-giving machines** (cash registers giving receipts G07G 1/00)