

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS (NOTES omitted)

### INSTRUMENTS

## G01 MEASURING; TESTING (NOTES omitted)

## G01G WEIGHING (sorting by weighing [B07C 5/16](#))

### NOTE

Attention is drawn to the Notes following the title of class [G01](#).

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<b>1/00</b>	<b>Weighing apparatus involving the use of a counterweight or other counterbalancing mass</b>	<b>1/42</b>	. . Temperature compensating arrangements
1/02	. Pendulum-weight apparatus	<b>3/00</b>	<b>Weighing apparatus characterised by the use of elastically-deformable members, e.g. spring balances</b>
1/025	. . {with variable cam radius or variable counterpoise pendulum}	3/02	. wherein the weighing element is in the form of a helical spring
1/04	. . the pendulum having a fixed pivot axis	3/04	. . using a plurality of springs
1/06	. . . with a plurality of pendulums	3/06	. wherein the weighing element is in the form of a spiral spring
1/08	. . the pendulum having a moving pivot axis, e.g. a floating pendulum	3/08	. wherein the weighing element is in the form of a leaf spring
1/10	. . . with a plurality of pendulums	3/10	. wherein the torsional deformation of a weighing element is measured
1/12	. . Constructional arrangements for obtaining equal indicative divisions	3/12	. wherein the weighing element is in the form of a solid body stressed by pressure or tension during weighing
1/14	. . Temperature compensating arrangements	3/125	. . {wherein the weighing element is an optical member}
1/16	. . Means for correcting for obliquity of mounting	3/13	. . having piezoelectric or piezoresistive properties
1/18	. Balances involving the use of a pivoted beam, i.e. beam balances	3/14	. . measuring variations of electrical resistance ( <a href="#">G01G 3/13 takes precedence</a> )
1/185	. . {Two draft weighing apparatus, e.g. tandem scales systems}	3/1402	. . . {Special supports with preselected places to mount the resistance strain gauges; Mounting of supports}
1/20	. . Beam balances having the pans carried below the beam, and for use with separate counterweights	3/1404	. . . . {combined with means to connect the strain gauges on electrical bridges}
1/22	. . . for precision weighing	3/1406	. . . . {combined with special measuring circuits}
1/24	. . Platform-type scales, i.e. having the pans carried above the beam	3/1408	. . . . {the supports being of the column type, e.g. cylindric}
1/243	. . . {having pans carried above the beam}	3/141	. . . . {the supports being disc or ring shaped}
1/246	. . . . {of the parallelogram type}	3/1412	. . . . {the supports being parallelogram shaped}
1/26	. . with associated counterweight or set of counterweights	3/1414	. . . {Arrangements for correcting or for compensating for unwanted effects}
1/28	. . . involving means for automatically lifting counterweights corresponding to the load	3/1416	. . . . {for non-linearity}
1/29	. . . . with electrical or electromechanical control means	3/1418	. . . . {for temperature variations}
1/30	. . . wherein the counterweight is in the form of a chain	3/142	. . . Circuits specially adapted therefor
1/32	. . . wherein the counterweights are in the form of rider-weights	3/145	. . . . involving comparison with a reference value ( <a href="#">G01G 3/147 takes precedence</a> )
1/34	. . . involving a fixed counterweight, with poise-weights selectively added to the load side	3/147	. . . . involving digital counting
1/36	. . . wherein the counterweights are slideable along the beam, e.g. steelyards	3/15	. . measuring variations of magnetic properties
1/38	. . . . with automatically-driven counterweight		
1/40	. . specially adapted for weighing by substitution		

3/16	<ul style="list-style-type: none"> <li>measuring variations of frequency of oscillations of the body</li> </ul>	13/00	<b>Weighing apparatus with automatic feed or discharge for weighing-out batches of material</b> (for weighing a continuous stream <a href="#">G01G 11/00</a> ; check-weighing <a href="#">G01G 15/00</a> ; for fluids <a href="#">G01G 17/04</a> ; apportioning by weight materials to be mixed <a href="#">G01G 19/22</a> ; combinatorial weighing <a href="#">G01G 19/387</a> )
3/165	<ul style="list-style-type: none"> <li><a href="#">{Constructional details}</a></li> </ul>	13/003	<ul style="list-style-type: none"> <li><a href="#">{Details; specially adapted accessories (details of weighing apparatus in general <a href="#">G01G 21/00</a>; auxiliary devices for weighing apparatus in general <a href="#">G01G 23/00</a>)}</a></li> </ul>
3/18	<ul style="list-style-type: none"> <li>Temperature-compensating arrangements</li> </ul>	13/006	<ul style="list-style-type: none"> <li><a href="#">{Container supply or discharge mechanism (means for automatic loading or discharging <a href="#">G01G 13/02</a>, <a href="#">G01G 13/16</a>, <a href="#">G01G 13/24</a>)}</a></li> </ul>
<b>5/00</b>	<b>Weighing apparatus wherein the balancing is effected by fluid action</b>	13/02	<ul style="list-style-type: none"> <li>Means for automatically loading weigh pans or other receptacles, e.g. disposable containers, under control of the weighing mechanism</li> </ul>
5/003	<ul style="list-style-type: none"> <li><a href="#">{load-cell construction or mountings}</a></li> </ul>	13/022	<ul style="list-style-type: none"> <li><a href="#">{Material feeding devices (<a href="#">G01G 13/04</a> - <a href="#">G01G 13/14</a> take precedence)}</a></li> </ul>
5/006	<ul style="list-style-type: none"> <li><a href="#">{with pneumatic means}</a></li> </ul>	13/024	<ul style="list-style-type: none"> <li><a href="#">{by gravity}</a></li> </ul>
5/02	<ul style="list-style-type: none"> <li>with a float or other member variably immersed in liquid</li> </ul>	13/026	<ul style="list-style-type: none"> <li><a href="#">{by mechanical conveying means, e.g. belt or vibratory conveyor}</a></li> </ul>
5/04	<ul style="list-style-type: none"> <li>with means for measuring the pressure imposed by the load on a liquid (<a href="#">pressure gauges per se <a href="#">G01L</a></a>)</li> </ul>	13/028	<ul style="list-style-type: none"> <li><a href="#">{by pneumatic carrying means}</a></li> </ul>
5/045	<ul style="list-style-type: none"> <li><a href="#">{combined with means for totalising the pressure imposed by several load-cells}</a></li> </ul>	13/04	<ul style="list-style-type: none"> <li>involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight</li> </ul>
5/06	<ul style="list-style-type: none"> <li>with electrical indicating means</li> </ul>	13/06	<ul style="list-style-type: none"> <li>wherein the main feed is effected by gravity from a hopper or chute</li> </ul>
<b>7/00</b>	<b>Weighing apparatus wherein the balancing is effected by magnetic, electromagnetic, or electrostatic action, or by means not provided for in the preceding groups</b>	13/08	<ul style="list-style-type: none"> <li>wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors</li> </ul>
7/02	<ul style="list-style-type: none"> <li>by electromagnetic action</li> </ul>	13/10	<ul style="list-style-type: none"> <li>wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material</li> </ul>
7/04	<ul style="list-style-type: none"> <li>with means for regulating the current to solenoids</li> </ul>	13/12	<ul style="list-style-type: none"> <li>Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder</li> </ul>
7/045	<ul style="list-style-type: none"> <li><a href="#">{having a PID control system}</a></li> </ul>	13/14	<ul style="list-style-type: none"> <li>Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container</li> </ul>
7/06	<ul style="list-style-type: none"> <li>by electrostatic action</li> </ul>	13/16	<ul style="list-style-type: none"> <li>Means for automatically discharging weigh receptacles under control of the weighing mechanism</li> </ul>
<b>9/00</b>	<b>Methods of, or apparatus for, the determination of weight, not provided for in groups <a href="#">G01G 1/00</a> - <a href="#">G01G 7/00</a></b>	13/18	<ul style="list-style-type: none"> <li>by valves or flaps in the container bottom</li> </ul>
9/005	<ul style="list-style-type: none"> <li><a href="#">{using radiations, e.g. radioactive (analysing materials by the use of wave or particle radiation <a href="#">G01N 23/00</a>)}</a></li> </ul>	13/20	<ul style="list-style-type: none"> <li>by screw conveyors in the weigh receptacle</li> </ul>
<b>11/00</b>	<b>Apparatus for weighing a continuous stream of material during flow; Conveyor belt weighers</b>	13/22	<ul style="list-style-type: none"> <li>by tilting or rotating the weigh receptacle</li> </ul>
11/003	<ul style="list-style-type: none"> <li><a href="#">{Details; specially adapted accessories (details of weighing apparatus in general <a href="#">G01G 21/00</a>; auxiliary devices for weighing apparatus in general <a href="#">G01G 23/00</a>)}</a></li> </ul>	13/24	<ul style="list-style-type: none"> <li>Weighing mechanism control arrangements for automatic feed or discharge</li> </ul>
11/006	<ul style="list-style-type: none"> <li><a href="#">{Special taring or checking devices therefor (devices for determining tare weight in general <a href="#">G01G 23/14</a>)}</a></li> </ul>	13/241	<ul style="list-style-type: none"> <li><a href="#">{Bulk-final weighing apparatus, e.g. rough weighing balance combined with separate fine weighing balance}</a></li> </ul>
11/02	<ul style="list-style-type: none"> <li>having mechanical weight-sensitive devices</li> </ul>	13/242	<ul style="list-style-type: none"> <li><a href="#">{Twin weighing apparatus; weighing apparatus using single load carrier and a plurality of weigh pans coupled alternately with the load carrier; weighing apparatus with two or more alternatively used weighing devices}</a></li> </ul>
11/025	<ul style="list-style-type: none"> <li><a href="#">{combined with totalising or integrating devices}</a></li> </ul>	13/243	<ul style="list-style-type: none"> <li><a href="#">{using a single load carrier}</a></li> </ul>
11/04	<ul style="list-style-type: none"> <li>having electrical weight-sensitive devices</li> </ul>	13/244	<ul style="list-style-type: none"> <li><a href="#">{with a single weighing receptacle divided into two or more alternatively used sections}</a></li> </ul>
11/043	<ul style="list-style-type: none"> <li><a href="#">{combined with totalising or integrating devices}</a></li> </ul>	13/245	<ul style="list-style-type: none"> <li><a href="#">{the weighing receptacles being rockable or oscillating}</a></li> </ul>
11/046	<ul style="list-style-type: none"> <li><a href="#">{involving digital counting}</a></li> </ul>	13/246	<ul style="list-style-type: none"> <li><a href="#">{the weighing apparatus being rotatable}</a></li> </ul>
11/06	<ul style="list-style-type: none"> <li>having fluid weight-sensitive devices</li> </ul>		
11/065	<ul style="list-style-type: none"> <li><a href="#">{combined with totalising or integrating devices}</a></li> </ul>		
11/08	<ul style="list-style-type: none"> <li>having means for controlling the rate of feed or discharge (<a href="#">regulation of flow of fluent material <a href="#">G05D</a></a>)</li> </ul>		
11/083	<ul style="list-style-type: none"> <li><a href="#">{of the weight-belt or weigh-auger type (<a href="#">G01G 11/10</a>, <a href="#">G01G 11/12</a> take precedence)}</a></li> </ul>		
11/086	<ul style="list-style-type: none"> <li><a href="#">{of the loss-in-weight feeding type}</a></li> </ul>		
11/10	<ul style="list-style-type: none"> <li>by controlling the height of the material on the belt</li> </ul>		
11/12	<ul style="list-style-type: none"> <li>by controlling the speed of the belt</li> </ul>		
11/14	<ul style="list-style-type: none"> <li>using totalising or integrating devices (<a href="#">{<a href="#">G01G 11/025</a>, <a href="#">G01G 11/043</a>, <a href="#">G01G 11/046</a> and <a href="#">G01G 11/065</a> take precedence}</a> totalising or integrating devices <a href="#">per se <a href="#">G06</a></a>)</li> </ul>		
11/16	<ul style="list-style-type: none"> <li>being electrical or electronic means</li> </ul>		
11/18	<ul style="list-style-type: none"> <li>using digital counting</li> </ul>		
11/20	<ul style="list-style-type: none"> <li>being mechanical means</li> </ul>		

- 13/247 . . {Checking quantity of material in the feeding arrangement, e.g. discharge material only if a predetermined quantity is present}
- 13/248 . . {Continuous control of flow of material ([control of flow G05D 7/00](#))}
- 13/26 . . involving fluid-pressure systems
- 13/28 . . involving variation of an electrical variable which is used to control loading or discharge of the receptacle
- 13/285 . . . involving comparison with a reference value ([G01G 13/29 takes precedence](#) ; electric measuring arrangements involving comparison with a reference value [G01R 17/00](#))}
- 13/2851 . . . . {for controlling automatic loading of weigh pans or other receptacles ([G01G 13/29 takes precedence](#))}
- 13/2852 . . . . . {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2853 . . . . . {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2855 . . . . . {wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2856 . . . . . {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2857 . . . . . {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2858 . . . . . {Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
- 13/29 . . . involving digital counting
- 13/2906 . . . . {for controlling automatic loading of weigh-pans or other receptacles}
- 13/2912 . . . . . {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2918 . . . . . {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2925 . . . . . {wherein the main feed is effected by mechanical means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2931 . . . . . {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2937 . . . . . {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2943 . . . . . {Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
- 13/295 . . . for controlling automatic loading of the receptacle {([G01G 13/285](#), [G01G 13/29 take precedence](#))}
- 13/2951 . . . . {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2952 . . . . . {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2954 . . . . . {wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2955 . . . . . {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2957 . . . . . {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2958 . . . . . {Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. a disposable container}
- 13/30 . . involving limit switches or position-sensing switches
- 13/32 . . . involving photoelectric devices
- 13/34 . . involving mechanical linkage motivated by weighing mechanism
- 15/00 Arrangements for check-weighing of materials dispensed into removable containers ([packaging aspects B65B](#); {electric measuring arrangements involving comparison with a reference value [G01R 17/00](#))}**
  - 15/001 . {Volumetric pre-dispensing to an estimated weight; Gravimetric make-up device for target device}
  - 2015/002 . . {using electrical, electromechanical or electronic means}
  - 2015/003 . . . {involving digital counting}
  - 2015/005 . . . {involving comparison with reference value}
  - 15/006 . {using electrical, electromechanical, or electronic means not covered by [G01G 15/001](#), [G01G 15/02](#), [G01G 15/04](#)}
  - 2015/007 . . {involving digital counting}
  - 2015/008 . . {involving comparison with a reference value}
  - 15/02 . with provision for adding or removing a make-up quantity of material to obtain the desired net weight ([dribble-feed means for automatic batch-weighers G01G 13/04](#))
  - 2015/022 . . {using electrical, electromechanical or electronic means}
  - 2015/025 . . . {involving digital counting}
  - 2015/027 . . . {involving comparison with a reference value}
  - 15/04 . with provision for adding or removing a make-up quantity of material to obtain the desired gross weight ([dribble-feed means for automatic batch-weighers G01G 13/04](#))
  - 2015/042 . . {using electrical, electromechanical or electronic means}
  - 2015/045 . . . {involving digital counting}
  - 2015/047 . . . {involving comparison with a reference value}
- 17/00 Apparatus for or methods of weighing material of special form or property ([determining weight by measuring volume G01F](#))**
  - 17/02 . for weighing material of filamentary or sheet form
  - 17/04 . for weighing fluids, e.g. gases, pastes
  - 17/06 . . having means for controlling the supply or discharge
  - 17/08 . for weighing livestock

- 19/00 Weighing apparatus or methods adapted for special purposes not provided for in the preceding groups** [{\(electric measuring arrangements involving comparison with a reference value G01R 17/00\)}](#)
- 19/002 . {for postal parcels and letters}
- 19/005 . . {with electric or electronic computing means}
- 19/007 . {fractioning a determined weight of material in several equal parts}
- 19/02 . for weighing wheeled or rolling bodies, e.g. vehicles
- 19/021 . . {having electrical weight-sensitive devices [\(G01G 19/04 - G01G 19/07 take precedence\)](#)}
- 19/022 . . {for weighing wheeled or rolling bodies in motion [\(G01G 19/045 takes precedence\)](#)}
- 19/024 . . . {using electrical weight-sensitive devices}
- 19/025 . . {wheel-load scales}
- 19/027 . . . {using electrical weight-sensitive devices}
- 19/028 . . {combined with shock-absorbing devices [\(shock-absorbing arrangements for bearings G01G 21/02; means for damping oscillations G01G 23/06; shock-absorbers per se F16F\)](#)}
- 19/03 . . for weighing during motion ([G01G 19/022, G01G 19/045, G01G 19/04, G01G 19/07 take precedence](#) ; weighing a continuous stream material during flow [G01G 11/00](#); check weighing of materials dispensed into removable containers [G01G 15/00](#))
- 19/035 . . . {using electrical weight-sensitive devices}
- 19/04 . . for weighing railway vehicles
- 19/042 . . . {having electrical weight-sensitive devices}
- 19/045 . . . {for weighing railway vehicles in motion}
- 19/047 . . . . {using electrical weight-sensitive devices}
- 19/06 . . . on overhead rails
- 19/07 . . for weighing aircraft
- 19/08 . for incorporation in vehicles
- 19/083 . . {lift truck scale}
- 19/086 . . {wherein the vehicle mass is dynamically estimated}
- 19/10 . . having fluid weight-sensitive devices
- 19/12 . . having electrical weight-sensitive devices
- 19/14 . for weighing suspended loads [\(G01G 3/00 takes precedence; incorporation of weighing devices in cranes B66C 1/40, B66C 13/16\)](#)
- 19/16 . . having fluid weight-sensitive devices
- 19/18 . . having electrical weight-sensitive devices
- 19/20 . . for weighing unbalanced loads
- 19/22 . for apportioning materials by weighing prior to mixing them [\(ratio regulation G05D 11/00\)](#)
- 19/24 . . using a single weighing apparatus
- 19/26 . . . associated with two or more counterweighted beams
- 19/28 . . . having fluid weight-sensitive devices
- 19/30 . . . having electrical weight-sensitive devices
- 19/303 . . . . {involving digital counting}
- 19/306 . . . . {involving comparison with a reference value}
- 19/32 . . using two or more weighing apparatus
- 19/34 . . with electrical control means
- 19/343 . . . {involving digital counting}
- 19/346 . . . {involving comparison with a reference value}
- 19/36 . . with mechanical control means
- 19/38 . . program controlled, e.g. by perforated tape
- 19/382 . . . {involving digital counting}
- 19/384 . . . {involving comparison with a reference value}
- 19/387 . for combinatorial weighing, i.e. selecting a combination of articles whose total weight or number is closest to a desired value
- 19/393 . . using two or more weighing units
- 19/40 . with provisions for indicating, recording, or computing price or other quantities dependent on the weight [\(indicating means for weighing apparatus G01G 23/18; recording means for weighing apparatus G01G 23/18; computers in general G06\)](#)
- 19/41 . . using mechanical computing means
- 19/413 . . using electromechanical or electronic computing means
- 19/414 . . . using electronic computing means only
- 19/4142 . . . . {for controlling activation of safety devices, e.g. airbag systems [\(electrical circuits for triggering safety arrangements in case of vehicle accidents B60R 21/015\)](#)}
- 19/4144 . . . . {for controlling weight of goods in commercial establishments, e.g. supermarket, P.O.S. systems}
- 19/4146 . . . . {for controlling caloric intake, e.g. diet control}
- 19/4148 . . . . {for controlling postal rate in articles to be mailed [\(franking apparatus with means for computing G07B 17/02\)](#)}
- 19/415 . . . . combined with recording means
- 19/417 . . with provision for checking computing part of balance
- 19/42 . . for counting by weighing [\(G01G 19/387 takes precedence\)](#)
- 19/44 . for weighing persons
- 19/445 . . {in a horizontal position}
- 19/46 . . Spring balances specially adapted for this purpose
- 19/48 . . Pendulum balances specially adapted for this purpose
- 19/50 . . having additional measuring devices, e.g. for height
- 19/52 . Weighing apparatus combined with other objects, e.g. furniture [\(with walking sticks A45B 3/08\)](#)
- 19/54 . . combined with writing implements or paper-knives
- 19/56 . . combined with handles of tools or household implements
- 19/58 . . combined with handles of suit-cases or trunks
- 19/60 . . combined with fishing equipment, e.g. with fishing rods
- 19/62 . Over or under weighing apparatus
- 19/64 . Percentage-indicating weighing apparatus, i.e. for expressing the weight as a percentage of a predetermined or initial weight
- 21/00 Details of weighing apparatus**
- 21/02 . Arrangements of bearings [\(bearings per se F16C\)](#)
- 21/022 . . {of tapes or ribbons}
- 21/025 . . {using a combination of knife-edge and ball or roller bearings}
- 21/027 . . {Hydraulic or pneumatic bearings}
- 21/04 . . of knife-edge bearings
- 21/06 . . of ball or roller bearings
- 21/07 . . of flexure-plate bearings
- 21/08 . . Bearing mountings or adjusting means therefor
- 21/085 . . . {of knife-edge bearings [\(knife-edge bearings G01G 21/04\)](#)}



21/10	. . Floating suspensions; Arrangements of shock absorbers ( <a href="#">shock absorbers per se F16F</a> )	23/005	. {Means for preventing overload}
21/12	. . Devices for preventing derangement	23/007	. {Integrated arrangements for generating electrical power, e.g. solar cells}
21/125	. . . {of knife-edge bearings ( <a href="#">knife-edge bearings G01G 21/04</a> )}	23/01	. Testing or calibrating of weighing apparatus
21/14	. Beams	23/012	. . {with load cells comprising in-built calibration weights}
21/16	. . of composite construction; Connections between different beams	23/015	. . {by adjusting to the local gravitational acceleration}
21/161	. . . {Connections between different beams}	23/017	. . {Securing calibration against fraud}
21/162	. . . . {using knife-edge bearings ( <a href="#">knife-edge bearings G01G 21/04</a> )}	23/02	. Relieving mechanisms; Arrestment mechanisms
21/163	. . . . {using ball or roller bearings ( <a href="#">ball or roller bearings G01G 21/04</a> )}	23/04	. . for precision weighing apparatus
21/165	. . . . {using tapes or ribbons ( <a href="#">tapes or ribbons G01G 21/022</a> )}	23/06	. Means for damping oscillations, e.g. of weigh beams
21/166	. . . . {using flexure plate fulcrums ( <a href="#">flexure plate fulcrums G01G 21/07</a> )}	23/08	. . by fluid means
21/167	. . . . {combined with different kinds of bearings}	23/10	. . by electric or magnetic means
21/168	. . . . . {combined with knife-edge and ball or roller bearings}	23/12	. . specially adapted for preventing oscillations due to movement of the load
21/18	. Link connections between the beam and the weigh pan	23/14	. Devices for determining tare weight or for cancelling out the tare by zeroising, e.g. mechanically operated ( <a href="#">in connection with automatic loading G01G 13/14</a> )
21/182	. . {using knife-edge bearings ( <a href="#">knife-edge bearings G01G 21/04</a> )}	23/16	. . electrically or magnetically operated
21/184	. . {using ball or roller bearings ( <a href="#">ball or roller bearings G01G 21/06</a> )}	23/163	. . . {involving digital counting}
21/186	. . {using tapes or ribbons ( <a href="#">tapes or ribbons G01G 21/022</a> )}	23/166	. . . {involving comparison with a reference value}
21/188	. . {using flexure plate fulcrums ( <a href="#">flexure plate fulcrums G01G 21/07</a> )}	23/18	. Indicating devices, e.g. for remote indication; Recording devices; Scales, e.g. graduated
21/20	. . for precision weighing apparatus	23/20	. . Indicating weight by mechanical means
21/22	. Weigh pans or other weighing receptacles; Weighing platforms	23/203	. . . {with wheel-type counters}
21/23	. Support or suspension of weighing platforms ( <a href="#">G01G 21/24 takes precedence</a> )	23/206	. . . {special graduated scales therefor ( <a href="#">G01G 23/24 takes precedence</a> )}
21/235	. . {using knife-edge bearings ( <a href="#">knife-edge bearings G01G 21/04</a> )}	23/22	. . . combined with price indicators
21/24	. Guides or linkages for ensuring parallel motion of the weigh-pans	23/24	. . . involving logarithmic scales
21/241	. . {combined with knife-edge bearings ( <a href="#">knife-edge bearings G01G 21/04</a> )}	23/26	. . . Drive for the indicating member, e.g. mechanical amplifiers
21/242	. . {combined with ball or roller bearings ( <a href="#">ball or roller bearings G01G 21/06</a> )}	23/28	. . . involving auxiliary or memory marks
21/243	. . {combined with tapes or ribbons ( <a href="#">tapes or ribbons G01G 21/022</a> )}	23/30	. . . with means for illuminating the scale
21/244	. . {combined with flexure-plate fulcrums ( <a href="#">flexure-plate fulcrums G01G 21/07</a> )}	23/32	. . Indicating the weight by optical projection means
21/245	. . {combined with different kinds of bearings}	23/34	. . . combined with price indicators
21/246	. . . {combined with knife-edge and ball or roller bearings}	23/35	. . Indicating the weight by photographic recording
21/247	. . . {combined with knife-edge bearings and tapes or ribbons}	23/36	. . Indicating the weight by electrical means, e.g. using photoelectric cells
21/248	. . . {combined with knife-edge and flexure-plate fulcrums}	23/361	. . . {using photoelectric cells}
21/26	. Counterweights; Poise-weights; Sets of weights; Holders for the reception of weights	23/362	. . . {using electric contacts}
21/28	. Frames, Housings	23/363	. . . {using magnetic or capacitive contacts}
21/283	. . {Details related to a user interface}	23/365	. . . involving comparison with a reference value ( <a href="#">G01G 23/37 takes precedence</a> )
21/286	. . {with windshields}	23/37	. . . involving digital counting
21/30	. Means for preventing contamination by dust	23/3707	. . . . {using a microprocessor}
<b>23/00</b>	<b>Auxiliary devices for weighing apparatus</b>	23/3714	. . . . . {with feedback means}
23/002	. {Means for correcting for obliquity of mounting ( <a href="#">for pendulum-weight apparatus G01G 1/16</a> )}	23/3721	. . . . . {with particular representation of the result, e.g. graphic}
		23/3728	. . . . . {with wireless means}
		23/3735	. . . . . {using a digital network}
		23/3742	. . . . . {using a mobile telephone network}
		23/375	. . . . during the movement of a coded element
		23/38	. . Recording and/or coding devices specially adapted for weighing apparatus ( <a href="#">computers per se G06; disc converters in general G08C</a> )
		23/40	. . . mechanically operated
		23/42	. . . electrically operated
		23/44	. . . . Coding devices therefor
		23/46	. . . Devices preventing recording until the weighing mechanism has come to rest

## G01G

- 23/48
- Temperature-compensating arrangements ([G01G 1/14](#), [G01G 1/42](#), [G01G 3/18](#) take precedence)