

**CPC****COOPERATIVE PATENT CLASSIFICATION****A47J**

**KITCHEN EQUIPMENT** { ( domestic washing or cleaning [A47L](#) ; refuse receptacles [B65F 1/00](#) ) }; **COFFEE MILLS; SPICE MILLS; APPARATUS FOR MAKING BEVERAGES** ( disintegrating, e.g. mincing, [B02C](#) ; severing, e.g. cutting, slicing, [B26B](#) , [B26D](#) )

**A47J 9/00**

**Apparatus or utensils for shaping** { or dispensing portions of } **butter or the like** ( for use in dairies [A01J 19/00](#), [A01J 21/00](#), { [A01J 23/00](#) } ; moulding plastic material in general [B29C](#) )

**A47J 9/001**

- . { and spreading them on other food items, e.g. bread slices ( for corn cob holders [A47G 19/303](#); butter spreading table ware [A47G 21/005](#) ) }

**A47J 9/002**

- . { by forming, e.g. peeling off or extruding, curls or rings }

**A47J 9/003**

- . { by slicing slabs or prints into pats }

**A47J 9/005**

- .. { combined with extrusion or molding }

**A47J 9/006**

- .. { with automatic feeding mechanism }

**A47J 9/007**

- . { by molding }

**A47J 2009/008**

- . with scales or indicators to determine the amount to be dispensed or separated

**A47J 17/00**

**Household peeling, stringing, or paring implements or machines** ( for foodstuffs in bulk [A23N](#) )

**A47J 17/02**

- . Hand devices for scraping or peeling vegetables or the like

**A47J 17/04**

- .. Citrus fruit peelers

**A47J 17/06**

- . Devices for stringing beans

**A47J 17/08**

- . Asparagus peelers

**A47J 17/10**

- . Vegetable or fruit grippers or holders for use while peeling

**A47J 17/14**

- . Machines for peeling ( universal kitchen machines [A47J 43/04](#) )

**A47J 17/16**

- .. Peeling machines with rotary fruit-holding spindles and fixed or movable peeler blades

**A47J 17/18**

- .. with scraping discs or rotors

**A47J 17/20**

- .. with brushes

**A47J 19/00**

**Household machines for straining foodstuffs; Household implements for mashing or straining foodstuffs** ( for foodstuffs in bulk [A23N](#) )

**A47J 19/005**

- . { Hand devices for straining foodstuffs }

**A47J 19/02**

- . Citrus fruit squeezers; Other fruit juice extracting devices

- A47J 19/022 . . { Hand devices }
- A47J 19/025 . . . { with a pressing screw }
- A47J 19/027 . . { Centrifugal extractors }
- A47J 19/04 . Household implements for mashing potatoes or other foodstuffs
- A47J 19/06 . Juice presses for vegetables
- A47J 21/00** **Devices for removing stalks from fruit ( machines [A23N 15/02](#) )**
- A47J 23/00** **Devices for stoning fruit ( machines for stoning fruit in bulk [A23N 3/00](#), [A23N 4/00](#) )**
- A47J 25/00** **Devices for coring fruit ( machines for coring fruit in bulk [A23N 3/00](#), [A23N 4/12](#) )**
- Guidance heading: Cooking; Apparatus for making beverages**
- A47J 27/00** **Cooking-vessels ( [A47J 29/00](#) to [A47J 33/00](#) takes precedence )**
- A47J 27/002 . { Construction of cooking-vessels ( with enlarged bottom [A47J 27/022](#), made of specific materials [A47J 36/02](#) ); Methods or processes of manufacturing specially adapted for cooking-vessels ( making cooking pots by processing sheet metal or metal tubes, rods or profiles without removing material [B21D 51/22](#) ) }
- A47J 27/004 . { with integral electrical heating means ( drinking cups with integral heating means [A47J 36/2466](#) ) }
- A47J 2027/006 . especially adapted for preparing pasta
- A47J 2027/008 . . for cooking pasta under pressure
- A47J 27/02 . with enlarged heating surfaces
- A47J 27/022 . . with enlarged bottom
- A47J 27/024 . . with liquid-heating tubes extending outside the vessel
- A47J 27/026 . . with conduits through the vessel for circulating heating gases
- A47J 27/04 . for cooking food in steam; Devices for extracting fruit juice by means of steam; { Vacuum cooking vessels ( steam-heated vessels for hotels, restaurants or canteens [A47J 27/16](#) ) }
- A47J 2027/043 . . for cooking food in steam
- A47J 2027/046 . . Devices for extracting fruit juice by means of steam
- A47J 27/05 . . Tier steam-cookers, i.e. with steam-tight joints between cooking-vessels stacked while in use ( { tier pressure-cookers [A47J 27/084](#) }; tier cooking-vessels in general [A47J 27/13](#) )
- A47J 27/06 . Steam-heated kettles for domestic use { ( cooking-vessels with water-bath [A47J 27/10](#); cooking-vessels with steam jacket for hotels, restaurants or canteens [A47J 27/17](#); milk-boiling vessels with water or steam jacket [A47J 27/57](#) ) }
- A47J 27/08 . Pressure-cookers; Lids or locking devices specially adapted therefor

- A47J 27/0802 . . { Control mechanisms for pressure-cookers }
- A47J 27/0804 . . { Locking devices }
- A47J 27/0806 . . . { of the bayonet-type }
- A47J 27/0808 . . . { of the bridge-type }
- A47J 27/0811 . . . { using a number of pivotable clamps along the circumference of the cooking-vessel }
- A47J 27/0813 . . . { using a clamping ring or clamping segments }
- A47J 27/0815 . . . { where vessel and lid have adapted shapes to provide for the locking action }
- A47J 27/0817 . . { Large-capacity pressure cookers; Pressure fryers ( cooking-vessels heated by steam [A47J 27/16](#) ) }
- A47J 27/082 . . with inserts for cooking different foods separately at the same time; Inserts therefor ( inserts for cooking vessels in general [A47J 36/16](#) )
- A47J 27/084 . . with adjustable volume; Tier pressure-cookers { ( tier steam-cookers [A47J 27/05](#); tier cooking-vessels in general [A47J 27/13](#) ) }
- A47J 27/086 . . with built-in heating means ( adaptations of automatic switches for the heating means [A47J 27/62](#) )
- A47J 27/088 . . adapted to high-frequency heating
- A47J 27/09 . . Safety devices { including the pressure indicators }
- A47J 27/092 . . . Devices for automatically releasing pressure before opening
- A47J 27/10 . Cooking-vessels with water-bath arrangements for domestic use { ( milk-boilers with water-bath [A47J 27/575](#) ) }
- A47J 27/12 . Multiple-unit cooking vessels { ( carriers for prepared food [A47J 47/14](#) ) }
- A47J 27/122 . . with adaptation of shape to that of adjacent vessels for forming a unit, e.g. sector-shaped
- A47J 27/13 . . Tier cooking-vessels { Cooking-vessels with adjustable volume; Cooking-vessels with lids or covers which may be used as a cooking vessel ( tier steam-cookers with steam-tight joints between stacked vessels [A47J 27/05](#); tier pressure-cookers [A47J 27/084](#) ) }
- A47J 27/14 . Cooking-vessels for use in hotels, restaurants, or canteens
- A47J 27/16 . . heated by steam
- A47J 27/17 . . . with steam jacket
- A47J 27/18 . . heated by water-bath, { e.g. pasta-cookers }
- A47J 27/20 . Ham-boilers
- A47J 27/21 . Water-boiling vessels, e.g. kettles { ( for coffee-making machines [A47J 31/54](#) ) }
- A47J 27/21008 . . { electrically heated }
- A47J 27/21016 . . . { with heating elements immersed in the water ( [A47J 27/2105](#) takes precedence ) }
- A47J 27/21025 . . . . { the heating elements being electrodes }
- A47J 27/21033 . . . . { with removable heating elements }
- A47J 27/21041 . . . { with heating elements arranged outside the water vessel ( [A47J 27/2105](#) takes precedence ) }
- A47J 27/2105 . . . { of the cordless type, i.e. whereby the water vessel can be plugged into an electrically-powered base element }

- A47J 27/21058 ... { Control devices to avoid overheating, i.e. "dry" boiling, or to detect boiling of the water ( [A47J 27/21158](#) takes precedence ) }
- A47J 27/21066 .... { Details concerning the mounting thereof in or on the water boiling vessel }
- A47J 27/21075 ..... { relating to the boiling sensor or to the channels conducting the steam thereto }
- A47J 27/21083 .... { with variable operating parameters, e.g. temperature or boiling period }
- A47J 27/21091 .... { of electronic type }
- A47J 27/211 .... { using a thermomagnetic material }
- A47J 27/21108 .... { using a bimetallic element }
- A47J 27/21116 ..... { specially adapted for detecting boiling of the water ( [A47J 27/21125](#) takes precedence ) }
- A47J 27/21125 ..... { the bimetallic element being a snapping disc }
- A47J 27/21133 .... { using a fusible material or a shape memory effect (SME) material }
- A47J 27/21141 .... { based on the weight of the water vessel }
- A47J 27/2115 .... { using a float }
- A47J 27/21158 ... { Devices to detect overheating or boiling with a single control element or unit }
- A47J 27/21166 .. { Constructional details or accessories ( for coffee makers or the like [A47J 31/44](#); for cooking vessels in general [A47J 36/00](#) ) }
- A47J 27/21175 ... { Covers }
- A47J 27/21183 ... { Water filters ( water filters for coffee machines [A47J 31/605](#) ) }
- A47J 27/21191 ... { Pouring spouts }
- A47J 27/212 .. with signalling means, e.g. whistling kettles ( signalling milk-boiling vessels [A47J 27/57](#) )
  
- A47J 27/56 . Preventing boiling over, e.g. of milk ( appliances for preventing or destroying foam in dairy apparatus for treating milk [A01J 11/02](#); preventing foaming in boiling in general [B01B 1/02](#) )
- A47J 27/57 .. Milk-boiling vessels with water or steam jackets, e.g. with signalling means { ( cooking-vessels with steam jackets [A47J 27/06](#), [A47J 27/17](#); whistling kettles [A47J 27/212](#) ) }
- A47J 27/575 ... { Milk-boiling vessels with water-bath ( cooking- vessels with water-bath [A47J 27/10](#), [A47J 27/18](#) ) }
- A47J 27/58 .. Cooking utensils with channels or covers collecting overflowing liquid
- A47J 27/60 .. Funnel-like inserts; Grooved plates to be placed on the bottom of cooking utensils
- A47J 27/62 .. by devices for automatically controlling the heat supply by switching off heaters or for automatically lifting the cooking-vessels { ( heat supply regulation in beverage-making machines [A47J 31/047](#); timing devices for beverage-making machines [A47J 31/52](#) ) }
- A47J 27/64 ... for automatically lifting the cooking-vessels ( devices for automatically lifting eggs from boiling water [A47J 29/04](#) )
  
- A47J 29/00** **Egg-cookers**
- A47J 29/02 . for eggs or poached eggs; Time-controlled cookers { ( coffee-makers [A47J 31/52](#); controlled igniting means in cooking-vessels [A47J 36/32](#); bread-toasters [A47J 37/0814](#) ) }
- A47J 29/04 .. Cookers for eggs with devices for automatically lifting the eggs from the boiling water { ( devices for automatically lifting cooking-vessels [A47J 27/64](#) ) }

- A47J 29/06
  - Grasping devices for eggs; Supporting devices for eggs during boiling { ( [A47J 29/04](#) takes precedence; holding or clamping devices for fowl, venison or other meat or vegetables during cooking or cutting [A47J 43/18](#) ) }
  
- A47J 31/00**
  - Apparatus for making beverages** ( household machines or implements for straining foodstuffs [A47J 19/00](#); preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, [A23L 2/00](#); coffee or tea pots [A47G 19/14](#); tea infusers [A47G 19/16](#); dispensing beverages on draught [B67D 1/00](#); brewing of beer [C12C](#) ; preparation of wine or other alcoholic beverages [C12G](#) )
  
- A47J 31/002
  - { following a specific operational sequence, e.g. for improving the taste of the extraction product }
  
- A47J 31/005
  - { Portable or compact beverage making apparatus, e.g. for travelling, for use in automotive vehicles }
  
- A47J 31/007
  - { for brewing on a large scale, e.g. for restaurants, or for use with more than one brewing container }
  
- A47J 31/02
  - Coffee-making machines with removable extraction cups, to be placed on top of drinking-vessels, { i.e. coffee-makers with removable brewing vessels, to be placed on top of beverage containers, into which hot water is poured, } e.g. cafe filtre ( [filters A47J 31/06](#); { with integral heating means [A47J 31/10](#) } )
  
- A47J 31/04
  - Coffee-making apparatus with rising pipes { ( [pressure coffee-makers A47J 31/24](#) ) }
- A47J 31/043
  - • Vacuum-type coffee-making apparatus with rising pipes in which hot water is passed to the upper bowl in which the ground coffee is placed and subsequently the heat source is cut-off and the water is sucked through the filter by the vacuum in the lower bowl
- A47J 31/047
  - • • with automatic cut-off of heat supply
- A47J 31/053
  - • with repeated circulation of the extract through the filter
- A47J 31/057
  - • with water container separated from beverage container, the hot water passing the filter only once, { i.e. classical type of drip coffee makers ( [drip coffee makers only functioning with the water heating container in a higher position than the brewing vessel A47J 31/10](#) ) }
- A47J 31/0573
  - • • { with flow through heaters ( [flow through heaters as part of a water boiling vessel in a beverage making machine A47J 31/542](#) ) }
- A47J 31/0576
  - • • { with a sealed water boiling vessel in which the steam pressure urges the hot water through a rising pipe ( [with brewing vessel adapted for extraction under pressure A47J 31/30](#) ) }
  
- A47J 31/06
  - Filters or strainers for coffee or tea makers; { [Holders therefor](#) }
- A47J 31/0605
  - • { with a valve at the filter-outlet; Anti-drip devices ( [A47J 31/0615](#), [A47J 31/0621](#) take precedence ) }
- A47J 31/061
  - • • { activated by the beverage container }
- A47J 31/0615
  - • { with special arrangements for making tea or the like, e.g. where the infusion liquid is kept a certain time in the filter before flowing out }
- A47J 31/0621
  - • { with means for varying the infusion outflow velocity, e.g. for brewing smaller quantities }
- A47J 31/0626
  - • { with means for securing the filter holder to the beverage container }

- A47J 31/0631 .. { with means for better or quicker spreading the infusion liquid over the filter ( spreader plates for drip coffee makers [A47J 31/4478](#) ) }
- A47J 31/0636 .. { suspended from the top of the beverage container so as to remain in contact with the prepared infusion ( tea eggs [A47G 19/16](#) ) }
- A47J 31/0642 .. { specially adapted to cooperate with a cartridge, e.g. having grooves or protrusions to separate cartridge from the bottom of the brewing chamber ( [A47J 31/0668](#) takes precedence ) }
- A47J 31/0647 .. { with means to adjust the brewing chamber volume to accommodate different quantities of brewing material }
- A47J 31/0652 .. { with means to by-pass a quantity of water, e.g. to adjust beverage strength }
- A47J 31/0657 .. { for brewing coffee under pressure, e.g. for espresso machines }
- A47J 31/0663 ... { to be used with loose coffee ( [A47J 31/0689](#) takes precedence ) }
- A47J 31/0668 ... { specially adapted for cartridges }
- A47J 31/0673 .... { Means to perforate the cartridge for creating the beverage outlet }
- A47J 31/0678 .... { Means to separate the cartridge from the bottom of the brewing chamber, e.g. grooves or protrusions }
- A47J 31/0684 ... { Sealing means for sealing the filter holder to the brewing head }
- A47J 31/0689 ... { Reusable cartridges suitable to be opened for being filled with brewing material and to be closed to envelope the brewing material therein ( disposable cartridges to be filled by the user with brewing material [A47J 31/08](#); disposable cartridges already filled with brewing material [B65D 85/804B](#) ) }
- A47J 2031/0694 .. with indicating means to aid the measurement of ground coffee contained therein
- A47J 31/08 .. Paper filter inlays therefor { to be disposed after use }
- A47J 31/085 ... { to be used for brewing coffee under pressure, e.g. for espresso machines }
- A47J 31/10 . Coffee-making apparatus, in which the brewing vessel, { i.e. water heating container, } is placed above or in the upper part of the beverage containers; { i.e. brewing vessel }; Drip coffee-makers { with the water heating container in a higher position than the brewing vessel ( without integral heating means [A47J 31/02](#), with hot water transport by rising pipes [A47J 31/057](#) ) }
- A47J 31/103 .. { with a siphon in the water heating container }
- A47J 31/106 .. { with a valve at the water heating container outlet }
- A47J 31/12 .. in which the vapour from the boiling water is raised above the filter and after condensing passes through the filter
- A47J 31/14 . Coffee or tea-making apparatus with filters placed in or behind pouring spouts
- A47J 31/16 . Inverting coffee-making apparatus in which water is boiled in the lower part and the apparatus is subsequently inverted to pass the water through the filter
- A47J 2031/165 .. Stirring devices operatively connected to cooking utensils when being removably inserted in a cooking-vessel
- A47J 31/18 . Apparatus in which ground coffee or tea-leaves are immersed in the hot liquid in the beverage container ( infusing bags [A47G 19/16](#) )
- A47J 31/20 .. having immersible, e.g. rotatable, filters
- A47J 31/22 . Centrifuges for producing filtered coffee ( [A47J 31/20](#) takes precedence )
- A47J 31/24 . Coffee-making apparatus in which hot water is passed through the filter under pressure, { i.e. in which the coffee grounds are extracted under pressure } ( [A47J 31/043](#) { and [A47J 31/40](#) } take precedence )



- A47J 31/30 .. with hot water under steam pressure
- A47J 31/303 ... { classical type of espresso apparatus, e.g. to put on a stove, i.e. in which the water is heated in a lower, sealed boiling vessel, raised by the steam pressure through a rising pipe and an extraction chamber and subsequently is collected in a beverage container on top of the water boiling vessel }
- A47J 31/306 .... { with integral electrical heating means }
- A47J 31/32 .. with hot water under air pressure
- A47J 31/34 .. with hot water under liquid pressure
- A47J 31/36 ... with mechanical pressure-producing means
- A47J 31/3604 .... { with a mechanism arranged to move the brewing chamber between loading, infusing and ejecting stations }
- A47J 31/3609 ..... { Loose coffee being employed ( with a filtering tape [A47J 31/3652](#) ) }
- A47J 31/3614 ..... { Means to perform transfer from a loading position to an infusing position }
- A47J 31/3619 ..... { Means to remove coffee after brewing }
- A47J 31/3623 ..... { Cartridges being employed ( with tape of cartridges [A47J 31/3652](#) ) }
- A47J 31/3628 ..... { Perforating means therefor }
- A47J 31/3633 ..... { Means to perform transfer from a loading position to an infusing position }
- A47J 31/3638 ..... { Means to eject the cartridge after brewing }
- A47J 31/3642 ..... { Cartridge magazines therefor }
- A47J 31/3647 ..... { a tape being employed }
- A47J 31/3652 ..... { the tape including only filtering means, i.e. not including brewing material }
- A47J 31/3657 ..... { the tape including permeable cartridges }
- A47J 31/3661 ..... { the tape including impermeable cartridges }
- A47J 31/3666 .... { whereby the loading of the brewing chamber with the brewing material is performed by the user ( [A47J 31/3604](#) takes precedence ) }
- A47J 31/3671 ..... { Loose coffee being employed }
- A47J 31/3676 ..... { Cartridges being employed }
- A47J 31/368 ..... { Permeable cartridges being employed }
- A47J 31/3685 ..... { Brewing heads therefor }
- A47J 31/369 ..... { Impermeable cartridges being employed }
- A47J 31/3695 ..... { Cartridge perforating means for creating the hot water inlet ( cartridge perforating means of the filter holder for creating the beverage outlet [A47J 31/0673](#) ) }
- A47J 31/38 .... operated by hand
- A47J 31/40 . Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, water, sugar, cocoa, milk, tea
- A47J 31/401 .. { whereby the powder ingredients and the water are delivered to a mixing bowl }
- A47J 31/402 .. { Liquid dosing devices }
- A47J 31/404 .. { Powder dosing devices }
- A47J 31/405 .. { with one or more infusion chambers moving successively between loading, infusing and dumping stations }
- A47J 31/407 .. { with ingredient-containing cartridges; Cartridge-perforating means }

- A47J 31/408 .. { with means for moving a filter in the form of a tape ( coffee or tea filters per se [A47J 31/06](#) ) }
- A47J 31/41 .. of liquid ingredients
- A47J 31/42 . Beverage-making apparatus with incorporated grinding or roasting means for coffee { ( coffee mills [A47J 42/00](#); coffee roasters in general [A23N 12/08](#) ) }
- A47J 31/44 . Parts or details { or accessories } of beverage-making apparatus ( filters or strainers [A47J 31/06](#) )
- A47J 31/4403 .. { Constructional details }
- A47J 31/4407 ... { Lids, covers or knobs }
- A47J 31/441 ... { Warming devices or supports for beverage containers ( warming devices not being part of the beverage-making apparatus [A47J 36/24](#); stands or holders for beverage containers not being part of the beverage-making apparatus [A47J 47/16](#) ) }
- A47J 31/4414 .... { Supports for empty beverage containers while not in use, e.g. for storing extra jug or cups }
- A47J 31/4417 ..... { with heating means for pre-heating the empty beverage containers, e.g. cup-warmers }
- A47J 31/4421 ..... { Heated support plates }
- A47J 31/4425 .... { Supports for beverage containers when filled or while being filled ( supports allowing to adapt the beverage making apparatus to the size of the beverage container [A47J 31/4482](#) ) }
- A47J 31/4428 ..... { with a drip-tray underneath }
- A47J 31/4432 ..... { with means for keeping the beverage warm ( urns with devices for keeping beverages hot or cool [A47J 31/50](#) ) }
- A47J 31/4435 ..... { Heated support plates }
- A47J 31/4439 ..... { with electrical heating elements ( for flow-through heaters [A47J 31/445](#) ) }
- A47J 31/4442 ..... { in combination with a continuous-flow heater for the water ( continuous-flow heaters per se [A47J 31/542](#) ) }
- A47J 31/4446 ..... { microwaves being used for the flow-through heater }
- A47J 31/445 ..... { an electrical heating element being used for the flow-through heater }
- A47J 31/4453 ..... { interposed between means for keeping the beverage warm and the beverage container, e.g. spacers for raising the beverage container from the heated support plate in order to reduce heat transfer }
- A47J 31/4457 ... { Water-level indicators ( water-level controls [A47J 31/56](#) ) }
- A47J 31/446 ... { Filter holding means; Attachment of filters to beverage-making apparatus }
- A47J 31/4464 .... { by means of bayonet-type engagement }
- A47J 31/4467 .... { by means of linear guides, e.g. drawer-type engagement }
- A47J 31/4471 .... { by means of a hinge }
- A47J 31/4475 ... { Hot water outlets for drip coffee makers }
- A47J 31/4478 .... { Spreader plates ( as an accessory of the filter [A47J 31/0631](#) ) }
- A47J 31/4482 .. { Details allowing to adapt the beverage-making apparatus to the size of the brewing vessel or the beverage container, e.g. with adjustable support for the beverage container or adjustable hot water outlet }
- A47J 31/4485 .. { Nozzles dispensing heated and foamed milk, i.e. milk is sucked from a milk container, heated and foamed inside the device, and subsequently dispensed from }



- the nozzle }
- A47J 31/4489 .. { Steam nozzles, e.g. for introducing into a milk container to heat and foam milk }
- A47J 31/4492 .. { Means to read code provided on ingredient pod or cartridge }
- A47J 31/4496 .. { Means to produce beverage with a layer on top, e.g. of cream, foam or froth }
- A47J 31/46 .. Dispensing spouts, pumps, drain valves or like liquid transporting devices
- A47J 31/462 ... { with an intermediate liquid storage tank }
- A47J 31/465 .... { for the heated water }
- A47J 31/467 .... { for the infusion }
- A47J 31/48 .. Clips, rings, hooks, or like devices to support filter parts while not in use
- A47J 31/50 .. Urns with devices for keeping beverages hot or cool { ( devices for warming-up drink-containers not being a part of the beverage-making apparatus [A47J 36/24](#); thermally-insulated vessels [A47J 41/00](#) ) }
- A47J 31/505 ... { with heat-supply regulation }
- A47J 31/52 .. Alarm-clock-controlled mechanisms for coffee or tea making apparatus { or timers without an alarm-device ( water-level controls [A47J 31/56](#); safety devices [A47J 31/58](#) ) }
- A47J 31/54 .. Water boiling vessels { in beverage making machines ( as an independent water-boiling vessel [A47J 27/21](#) ) }
- A47J 31/542 ... { Continuous-flow heaters }
- A47J 31/545 .... { Control or safety devices }
- A47J 31/547 ... { using microwave energy for heating the water }
- A47J 31/56 ... having water-level controls; having temperature controls
- A47J 31/58 .. Safety devices
- A47J 31/60 .. Cleaning devices
- A47J 31/605 ... { Water filters }
  
- A47J 33/00** **Camp cooking devices without integral heating means** ( travelling cookers with one burner [A47J 36/26](#); other travelling cookers heated by petroleum, gasoline, spirit, or the like [F24C](#) )
  
- A47J 36/00** **Parts, details or accessories of cooking-vessels** ( [A47J 27/00](#) to [A47J 33/00](#) take precedence insofar as these parts, details or accessories are restricted to a particular kind of cooking-vessel provided for in a single one of these groups; heating devices for cooking-vessels in general [F24](#) )
  
- A47J 36/02 . Selection of specific materials, e.g. heavy bottoms with copper inlay or with insulating inlay { ( Processes for applying fluoropolymers to obtain an anti-adhesive surface [B05D 5/083](#) ) }
- A47J 36/022 .. { Cooking- or baking-vessels or supports thereof for using only once ( eating- or serving-plates for using only once [A47G 19/02](#); heat-resistant food-packages [B65D 81/34](#) ) }
- A47J 36/025 .. { Vessels with non-stick features, e.g. coatings }
- A47J 36/027 .. { Cooking- or baking-vessels specially adapted for use in microwave ovens; Accessories therefor }
- A47J 36/04 .. the materials being non-metallic
  
- A47J 36/06 . Lids or covers for cooking-vessels ( specially adapted for pressure-cookers [A47J 27/08](#) ) { preventing boiling over of milk [A47J 27/56](#); for draining liquids from

- cooking-vessels [A47J 36/08](#); lids for frying-pans [A47J 37/101](#); for deep fat fryers [A47J 37/128](#) }
- [A47J 36/08](#) . . for draining liquids from vessels
  - [A47J 36/10](#) . . Lid-locking devices
  - [A47J 36/12](#) . . Devices for holding lids in open position on the container
  - [A47J 36/14](#) . Pouring-spouts, e.g. as parts separate from vessel ( spouts in general [B05B 1/22](#) )
  - [A47J 36/16](#) . Inserts { ( for preventing boiling over of milk [A47J 27/60](#); for frying pans [A47J 37/108](#) ) }
  - [A47J 36/165](#) . . { Stirring devices operatively connected to cooking vessels when being removably inserted inside ( mixing, whipping, or beating devices [A47J 43/00](#) ) }
  - [A47J 36/18](#) . . Boilers or utensils with sieves inserted therein, e.g. potato-cookers { ( perforated supports [36/20](#); basting devices in frying-pans [A47J 37/106](#) ) }
  - [A47J 36/20](#) . . Perforated bases or perforated containers to be placed inside a cooking utensil; { Draining baskets, inserts with separation wall }
  - [A47J 36/22](#) . . . Wire inserts ( for deep fat fryers [A47J 37/12](#) )
  - [A47J 36/24](#) . Warming devices
  - [A47J 36/2405](#) . . { for warming food contained in vessels immersed in a water bath, e.g. chafers or steam tables ( [A47J 36/2438](#) takes precedence ) }
  - [A47J 36/2411](#) . . { Baby bottle warmers; Devices for warming baby food in jars }
  - [A47J 36/2416](#) . . . { with a heat storage element or material }
  - [A47J 36/2422](#) . . . { using solid fuel }
  - [A47J 36/2427](#) . . . { with a burner, e.g. using gasoline }
  - [A47J 36/2433](#) . . . { with electrical heating means }
  - [A47J 36/2438](#) . . . { for warming a water-bath or -jacket }
  - [A47J 36/2444](#) . . { Drinking cups with heating means ( drinking vessels with means for keeping liquid hot without integral heating means [A47G 19/2288](#) ) }
  - [A47J 36/245](#) . . . { using solid fuel }
  - [A47J 36/2455](#) . . . { with a burner, e.g. using gasoline }
  - [A47J 36/2461](#) . . . { with electrical heating means }
  - [A47J 36/2466](#) . . . { with integral heating means }
  - [A47J 36/2472](#) . . . . { of the cordless type, i.e. whereby the cup can be plugged into an electrically-powered base element }
  - [A47J 36/2477](#) . . { using solid fuel, e.g. with candles ( baby bottle warmers [A47J 36/2422](#), drinking cups [A47J 36/245](#) ) }
  - [A47J 36/2483](#) . . { with electrical heating means ( baby bottle warmers [A47J 36/2433](#), drinking cups [A47J 36/2461](#) ) }
  - [A47J 36/2488](#) . . . { having infrared radiating elements }
  - [A47J 36/2494](#) . . { using heat storage elements or materials, e.g. lava stones }
  - [A47J 36/26](#) . . Devices for warming vessels containing drinks or food, especially by means of burners; { Warming devices with a burner, e.g. using gasoline }; Travelling cookers, e.g. using petroleum or gasoline with one burner { ( baby bottle warmers [A47J 36/2411](#), drinking cups [A47J 36/2444](#), using solid fuel [A47J 36/2477](#), with electrical heating means [A47J 36/2483](#) ) }
  - [A47J 36/28](#) . . Warming devices generating the heat by exothermic reactions, e.g. heat released

- by the contact of unslaked lime with water { ( Packages having self-contained heating means generating heat by an exothermic reaction [B65D 81/3484](#), materials for producing heat by chemical reactions [C09K 5/16](#) ) }
- [A47J 36/30](#) . . Devices for warming by making use of burning cartridges or other chemical substances
- [A47J 36/32](#) . Time-controlled igniting mechanisms or alarm devices { ( in egg-cookers [A47J 29/02](#); in coffee-makers [A47J 31/52](#); bread-toasters [A47J 37/0814](#) ) }
- [A47J 36/34](#) . Supports for cooking vessels { ( for kitchen utensils [A47J 47/16](#) ) }
- [A47J 36/36](#) . Shields or jackets for cooking utensils minimising the radiation of heat, fastened or movably mounted
- [A47J 36/38](#) . for withdrawing or condensing cooking vapours from cooking utensils ( removing cooking fumes from domestic stoves or ranges [F24C 15/20](#) )
- [A47J 36/40](#) . Leak-stopping devices for repairing cooking-vessels
- [A47J 36/42](#) . Devices to prevent deposition of scale, i.e. fur, or the like
- [A47J 37/00](#)** **Baking; Roasting; Grilling; Frying** ( bakers` ovens, non-domestic baking apparatus or equipment [A21B](#) ; domestic stoves or ranges [F24B](#) , [F24C](#) )
- [A47J 37/01](#) . Vessels uniquely adapted for baking ( for use in baker`s ovens [A21B](#) )
- [A47J 37/015](#) . . { electrically heated }
- [A47J 37/04](#) . Roasting apparatus with movably-mounted food supports or with movable heating implements; Spits { ( field-cookers [A47J 33/00](#), [A47J 36/26](#), [F24B](#) ) }
- [A47J 37/041](#) . . { with food supports rotating about a horizontal axis ( [A47J 37/042](#) takes precedence ) }
- [A47J 37/042](#) . . { with food supports arranged on wheels or spiders rotating about a horizontal axis }
- [A47J 37/043](#) . . { with food supports rotating about a vertical axis }
- [A47J 37/044](#) . . { with conveyers moving in a horizontal or an inclined plane ( [A47J 37/045](#), [A47J 37/046](#) take precedence ) }
- [A47J 37/045](#) . . { with endless conveyers }
- [A47J 37/046](#) . . { with horizontal turntables }
- [A47J 37/047](#) . . { with rotating drums or baskets }
- [A47J 37/048](#) . . { Sausage grills with rotating rollers }
- [A47J 37/049](#) . . { Details of the food supports not specially adapted to one of the preceding types of food supports }
- [A47J 37/06](#) . Roasters; Grills; Sandwich grills
- [A47J 37/0605](#) . . { specially adapted for "raclettes" }
- [A47J 37/0611](#) . . { the food being cooked between two heating plates, e.g. waffle-irons }
- [A47J 2037/0617](#) . . . with means to adjust the distance between heating plates
- [A47J 37/0623](#) . . { Small-size cooking ovens, i.e. defining an at least partially closed cooking cavity ( [A47J 37/0605](#) takes precedence; barbecues [A47J 37/07](#) ) }

|                |      |   |
|----------------|------|---|
| A47J 37/0629   | ...  | { with electric heating elements }  |
| A47J 37/0635   | .... | { with reflectors }   |
| A47J 37/0641   | .... | { with forced air circulation }   |
| A47J 37/0647   | ...  | { with gas burners }  |
| A47J 37/0652   | .... | { with reflectors }   |
| A47J 37/0658   | ...  | { specially adapted for cooking pizza }   |
| A47J 37/0664   | ...  | { Accessories }   |
| A47J 37/067    | ..   | { Horizontally disposed broiling griddles }   |
| A47J 37/0676   | ...  | { electrically heated }   |
| A47J 37/0682   | ...  | { gas-heated }  |
| A47J 37/0688   | ..   | { Broilers with vertically disposed heat sources and food supports }  |
| A47J 37/0694   | ..   | { Broiling racks }  |
| A47J 37/07     | ..   | Roasting devices for outdoor use; Barbecues { ( field-cookers <a href="#">A47J 33/00</a> , <a href="#">A47J 36/26</a> ) } |
| A47J 37/0704   | ...  | { with horizontal fire box }  |
| A47J 37/0709   | .... | { with electric heating elements }  |
| A47J 37/0713   | .... | { with gas burners }  |
| A47J 37/0718   | ...  | { with vertical fire box }  |
| A47J 37/0722   | .... | { with electric heating elements }  |
| A47J 37/0727   | .... | { with gas burners }  |
| A47J 37/0731   | ...  | { with a fire box movable between different positions, e.g. horizontal, vertical, inclined }                              |
| A47J 37/0736   | .... | { with electric heating elements }  |
| A47J 37/074    | .... | { with gas burners }  |
| A47J 37/0745   | ...  | { with motor-driven food supports }   |
| A47J 37/075    | .... | { steam- or hot air-driven }  |
| A47J 37/0754   | ...  | { with blowers providing forced air circulation }   |
| A47J 37/0759   | ...  | { constructed from refractory blocks }  |
| A47J 37/0763   | ...  | { Small-size, portable barbecues }  |
| A47J 37/0768   | .... | { Disposable barbecue packages containing a quantity of fuel, e.g. charcoal }   |
| A47J 37/0772   | .... | { for use in a fireplace }  |
| A47J 2037/0777 | ...  | with foldable construction for storage or transport purposes  |
| A47J 37/0781   | ...  | { Barbecue tables, e.g. central grilling areas surrounded by an eating table }  |
| A47J 37/0786   | ...  | { Accessories }   |
| A47J 37/079    | .... | { Charcoal igniting devices }   |
| A47J 2037/0795 | .... | Adjustable food supports, e.g. for height adjustment  |
| A47J 37/08     | ..   | Bread-toasters ( electric heating elements <a href="#">H05B</a> )   |
| A47J 37/0807   | ...  | { with radiating heaters and reflectors }   |
| A47J 37/0814   | ...  | { with automatic bread ejection or timing means ( <a href="#">A47J 37/0857</a> takes precedence ) }                       |
| A47J 37/0821   | .... | { with mechanical clockwork timers }  |
| A47J 37/0828   | .... | { with pneumatic or hydraulic timers }  |
| A47J 37/0835   | .... | { with thermal timers }   |

- A47J 37/0842 . . . . { with electronic timers }
- A47J 37/085 . . . . { with means for sensing the bread condition }
- A47J 37/0857 . . . { with bread supports or heating means movable during the toasting operation ( [meat roasting A47J 37/04](#) ) }
- A47J 37/0864 . . . { Bun toasters }
- A47J 37/0871 . . . { Accessories }
- A47J 37/0878 . . . . { Warming racks }
- A47J 37/0885 . . . . { Toaster inserts; Removable bread tongs }
- A47J 37/0892 . . . . { Devices for providing browning patterns on the toasted surface }
  
- A47J 37/10 . . . Frying-pans, including lids or basting devices
- A47J 37/101 . . { Lids }
- A47J 37/103 . . . { Broiling- or heating-lids }
- A47J 37/105 . . { electrically heated }
- A47J 37/106 . . { Basting devices }
- A47J 37/108 . . { Accessories, e.g. inserts, plates to hold food down during frying }
  
- A47J 37/12 . . . Deep fat fryers, including apparatus specially adapted for frying fish { ( [frying under pressure A47J 27/0817](#); devices for withdrawing or condensing frying vapours [A47J 36/38](#) ) }
- A47J 37/1204 . . { for domestic use }
- A47J 37/1209 . . . { electrically heated }
- A47J 37/1214 . . { the food being transported through an oil-bath ( [for bakery products A21B 5/08](#) ) }
- A47J 37/1219 . . { with means for lowering or raising the frying basket }
- A47J 37/1223 . . { with means for filtering the frying liquid }
- A47J 37/1228 . . { Automatic machines for frying and dispensing metered amounts of food }
- A47J 37/1233 . . { the frying liquid being heated outside the frying vessel, e.g. by pumping it through a heat exchanger }
- A47J 37/1238 . . . { and the oil being returned to the frying vessel by means of a spraying system }
- A47J 37/1242 . . { heated with burners }
- A47J 37/1247 . . . { Details of the burners; Details of the channels for guiding the combustion gases }
- A47J 37/1252 . . . { of the pulse combustion type }
- A47J 37/1257 . . { electrically heated ( [A47J 37/1209](#) takes precedence ) }
- A47J 37/1261 . . . { Details of the heating elements; Fixation of the heating elements to the frying vessel }
- A47J 37/1266 . . { Control devices, e.g. to control temperature, level or quality of the frying liquid }
- A47J 37/1271 . . { Accessories }
- A47J 37/1276 . . { Constructional details ( [A47J 37/1247](#) and [A47J 37/1261](#) take precedence ) }
- A47J 37/128 . . . { Lids or covers }
- A47J 37/1285 . . . { Valves or arrangements to drain used oil or food particles settled at the bottom of the frying vessel }
- A47J 37/129 . . . { Frying vessels }
- A47J 37/1295 . . { Frying baskets or other food holders }

**A47J 39/00****Heat-insulated warming chambers; Cupboards with heating arrangements for**

**warming kitchen utensils**

- A47J 39/003 . { with forced air circulation }
- A47J 39/006 . { for either storing and preparing or for preparing food on serving trays, e.g. heating, thawing, preserving }
- A47J 39/02 . Dish-warmers; Devices to keep food hot { ( [A47J 39/006](#) takes precedence ) }
- A47J 39/025 .. { for warming dishes without food before use }
  
- A47J 41/00** **Thermally-insulated vessels, e.g. flasks, jugs, jars** ( containers with thermal insulation in general [B65D 81/38](#) )
- A47J 41/0005 . { comprising a single opening for filling and dispensing provided with a stopper }
- A47J 41/0011 .. { the stopper being completely removed from the opening during dispensing }
- A47J 41/0016 .. { the stopper remaining in the opening and clearing a passage way between stopper and vessel for dispensing }
- A47J 41/0022 ... { the stopper comprising two or more pieces movable relatively to each other for opening or closing the dispensing passage }
- A47J 41/0027 .. { the stopper incorporating a dispensing device, i.e. the fluid being dispensed through the stopper }
- A47J 41/0033 ... { comprising a pumping system }
- A47J 41/0038 . { comprising additional heating or cooling means, i.e. use of thermal energy in addition to stored material }
- A47J 41/0044 .. { comprising heat or cold storing elements or material, i.e. energy transfer within the vessel }
- A47J 41/005 .. { comprising heat or cold producing means, i.e. energy transfer from outside the vessel }
- A47J 41/0055 . { Constructional details of the elements forming the thermal insulation ( [A47J 41/02](#) takes precedence ) }
- A47J 41/0061 .. { the elements being detachable or the food holding vessel being replaceable }
- A47J 41/0066 .. { Flexible containers or jackets }
- A47J 41/0072 .. { Double walled vessels comprising a single insulating layer between inner and outer walls }
- A47J 41/0077 ... { made of two vessels inserted in each other }
- A47J 41/0083 . { Accessories }
- A47J 41/0088 .. { Inserts; Devices attached to the stopper }
- A47J 41/0094 .. { Indicating means, e.g. for level or temperature }
- A47J 41/02 . Vacuum-jacket vessels, e.g. vacuum bottles
- A47J 41/022 .. { Constructional details of the elements forming vacuum space }
- A47J 41/024 ... { made of glass }
- A47J 41/026 .... { Protective elements therefor, e.g. liner, support or housing }
- A47J 41/028 ... { made of metal }



**A47J 42/00**

**Coffee mills; Spice mills** ( as part of universal or multi-purpose machines [A47J 43/04](#), [A47J 44/00](#); grinding or pulverising in general [B02C](#) )

- A47J 42/02 . having grinding cones
- A47J 42/04 . . hand driven
- A47J 42/06 . . mechanically driven
- A47J 42/08 . . Adjusting mechanisms
- A47J 42/10 . . Grinding cones
- A47J 42/12 . having grinding discs
- A47J 42/14 . . hand driven
- A47J 42/16 . . mechanically driven
- A47J 42/18 . . Adjusting mechanisms
- A47J 42/20 . . Grinding discs
- A47J 42/22 . having pulverising beaters or rotary knives
- A47J 42/24 . . hand driven
- A47J 42/26 . . mechanically driven
- A47J 42/28 . . Beaters or knives
- A47J 42/30 . . having perforated container for the ground material; having sieves
- A47J 42/32 . with other grinding or pulverising members
- A47J 42/34 . . hand driven
- A47J 42/36 . . mechanically driven
- A47J 42/38 . Parts or details
- A47J 42/40 . . relating to discharge, receiving container or the like; Bag clamps, e.g. with means for actuating electric switches
- A47J 42/42 . . . Drawers for receiving ground material
- A47J 42/44 . . Automatic starting or stopping devices ( [bag clamps with means for actuating switches A47J 42/40](#) ); Warning devices
- A47J 42/46 . . Driving mechanisms; Coupling to drives
- A47J 42/48 . . Attachment of mills to tables, walls, or the like ( [attachment of household machines in general to tables, walls, or the like A47J 45/02](#) )
- A47J 42/50 . . Supplying devices, e.g. funnels; Supply containers
- A47J 42/52 . . Coffee mills combined with roasting devices ( { [combinations of coffee mills with coffee-making machines A47J 31/42](#); } [coffee-roasting devices per se A23N 12/00](#) )
- A47J 42/54 . . Cooling
- A47J 42/56 . . Safety devices { ( [for food processors A47J 43/075](#) ) }

**A47J 43/00**

**Miscellaneous implements for preparing or holding food**

- A47J 43/04 . Machines for domestic use not covered elsewhere, e.g. for grinding, mixing, stirring, kneading, emulsifying, whipping or beating foodstuffs, e.g. power-driven ( [food straining implements A47J 19/00](#); [devices for grating A47J 43/25](#); multi-purpose

machines [A47J 44/00](#) )

- [A47J 43/042](#) .. Mechanically-driven liquid shakers { ( [hand-held shakers A47J 43/27](#) ) }
- [A47J 43/044](#) .. with tools driven from the top side
- [A47J 2043/04409](#) ... Apparatus of hand held type
- [A47J 2043/04418](#) .... with housing extending perpendicular, e.g. horizontally, from the tool axis
- [A47J 2043/04427](#) .... with housing extending vertically in line with the tool axis
- [A47J 2043/04436](#) .... attachable to the bowl
- [A47J 2043/04445](#) .... attachable to a stand
- [A47J 2043/04454](#) ... Apparatus of counter top type
- [A47J 2043/04463](#) .... with a mixing unit rigidly fixed on the housing and a movable support for the bowl
- [A47J 2043/04472](#) .... with a mixing unit vertically movable relative to the support
- [A47J 2043/04481](#) .... with a mixing unit pivotable on the support
- [A47J 2043/0449](#) .... with a mixing unit detachable from the support
- [A47J 43/046](#) .. with tools driven from the bottom side
- [A47J 43/0465](#) ... { [with magnetic drive](#) }
- [A47J 43/06](#) .. with a plurality of interchangeable working units, { [e.g. with a single driving-unit](#) }
- [A47J 43/07](#) .. Parts or details, e.g. mixing tools, whipping tools
- [A47J 43/0705](#) ... { [for machines with tools driven from the upper side \( \[A47J 43/0727\]\(#\) to \[A47J 43/08\]\(#\) take precedence \)](#) }
- [A47J 43/0711](#) .... { [mixing, whipping or cutting tools](#) }
- [A47J 43/0716](#) ... { [for machines with tools driven from the lower side \( \[A47J 43/0727\]\(#\) to \[A47J 43/08\]\(#\) take precedence \)](#) }
- [A47J 43/0722](#) .... { [Mixing, whipping or cutting tools](#) }
- [A47J 43/0727](#) ... { [Mixing bowls](#) }
- [A47J 2043/0733](#) ... Weighing means
- [A47J 2043/0738](#) ... Means for storing accessories
- [A47J 2043/0744](#) ... Means for storing the power cord
- [A47J 43/075](#) ... { [Safety devices](#) }

**WARNING**

Not complete, see also [A47J 42/56](#), [A47J 43/07](#)

- [A47J 43/0755](#) .... { [for machines with tools driven from the upper side](#) }

**WARNING**

Not complete, see also [A47J 43/0705](#)

- [A47J 43/0761](#) .... { [for machines with tools driven from the lower side](#) }

**WARNING**

Not complete, see also [A47J 43/0716](#)

- [A47J 43/0766](#) ..... { [activated by the proper positioning of the mixing bowl](#) }

|              |       |   |
|--------------|-------|---|
| A47J 43/0772 | ..... | { activated by the proper positioning of the cover }  |
| A47J 43/0777 | ..... | { in which the activating element on the cover transmits a signal to a safety device in the base element via the mixing bowl removably seated on this base element, e.g. pin on the cover moves a pushrod in the bowl handle to operate safety switch in the base element } |
| A47J 43/0783 | ..... | { activated by the proper positioning of a separate food chute on the cover }N04  |
| A47J 43/0788 | ..... | { activated by the proper positioning of a food chute protector }   |
| A47J 43/0794 | ..... | { in which operation is not possible without the use of a food pusher }N04  |
| A47J 43/08   | ...   | Driving mechanisms  |
| A47J 43/082  | ....  | { for machines with tools driven from the upper side ( <a href="#">A47J 43/087</a> , <a href="#">A47J 43/09</a> take precedence ) }   |
| A47J 43/085  | ....  | { for machines with tools driven from the lower side ( <a href="#">A47J 43/087</a> , <a href="#">A47J 43/09</a> take precedence ) }   |
| A47J 43/087  | ....  | { for machines with several driving units ( <a href="#">A47J 43/09</a> takes precedence ) }   |
| A47J 43/09   | ....  | with fluid drive, e.g. by jets  |
| A47J 43/10   | .     | Egg-whisks; Cream-beaters, i.e. hand implements { or hand-driven devices }  |
| A47J 43/1006 | ..    | { Hand-driven mixing devices with rotating tools, e.g. sticking out from the bottom of the mixing receptacle; with rotating bowls; with an additional function }  |
| A47J 43/1012 | ...   | { the mixing device being fitted on a post beside the mixing receptacle }   |
| A47J 43/1018 | ...   | { the mixing device being fitted on the cover of, or directly on, the stationary mixing receptacle }  |
| A47J 43/1025 | ....  | { with gears between the drive axis and the driven axis, e.g. for planetary motion of tools or for coaxial tools }  |
| A47J 43/1031 | ...   | { the mixing device being provided with a grip to be held by one hand, the other hand being used for driving the mixing device ( <a href="#">A47J 43/105</a> , <a href="#">A47J 43/1056</a> take precedence ) }   |
| A47J 43/1037 | ....  | { with two or more mixing tools }   |
| A47J 43/1043 | ..... | { with coaxial tools }  |
| A47J 43/105  | ...   | { the rotating tools being driven by a reciprocating member, e.g. by a rack-and-pinion mechanism or by a tangentially-pulled rope }   |
| A47J 43/1056 | ...   | { the tools rotating about a horizontal or inclined axis }  |
| A47J 43/1062 | ...   | { the mixing devices being provided with an additional liquid receptacle, e.g. for adding oil during mixing }   |
| A47J 43/1068 | ...   | { Construction of the rotating mixing tools }   |
| A47J 43/1075 | ..    | { Hand-driven mixing devices with reciprocating or oscillating tools }  |
| A47J 43/1081 | ...   | { with rectilinearly reciprocating tools }  |
| A47J 43/1087 | ..    | { Whisks or similar tools comprising mixing wires }   |
| A47J 43/1093 | ...   | { the wires being of the closed-loop type mounted at the end of a shaft }   |
| A47J 43/12   | .     | Whipping by introducing a stream of gas { ( <a href="#">milk-foaming devices adapted to coffee-making machines A47J 31/4485</a> , <a href="#">A47J 31/4489</a> ; aerating or deaerating milk <a href="#">A01J 11/04</a> ; making ice-cream <a href="#">A23G 9/20</a> ) }    |
| A47J 43/121  | ..    | { Devices using a static mixing element; Static mixing elements therefor }  |
| A47J 43/122  | ...   | { the mixing element being of considerable length, e.g. labyrinth-type mixing elements }  |
| A47J 43/123  | ....  | { Self-contained units for making whipped cream }   |

- A47J 43/125 . . { Receptacles with gas-introducing means at the bottom; Gas pumping means therefor }
- A47J 43/126 . . { Tools whereby gas is introduced through their axis; Gas pumping means therefor }
- A47J 43/127 . . { Devices using a rotary mixing element, e.g. driven by the gas }
- A47J 43/128 . . { Parts; Accessories, e.g. valves }
- A47J 43/14 . . Devices { or machines } for opening raw eggs or separating the contents thereof { ( openers for boiled eggs [A47G 19/28](#) ) }
- A47J 43/145 . . { Machines therefor }
- A47J 43/16 . Implements for introducing fat, bacon or the like into meat; Larding-pins
- A47J 43/18 . Holding or clamping devices for supporting fowl, venison, or other meat, or vegetables, during cooking or during subsequent cutting
- A47J 43/20 . Shapes for preparing foodstuffs, e.g. meat-patty moulding devices, { pudding moulds }
- A47J 43/22 . Kitchen sifters
- A47J 43/24 . Devices for washing vegetables or the like; { Colanders ( machines for washing potatoes, beets, apples on an industrial scale [A23N 12/023](#); machines for washing grain [B02B 1/04](#) ) }
- A47J 43/25 . Devices for grating
- A47J 43/255 . . { with grating discs or drums }
- A47J 43/26 . Nutcrackers ( pliers [B25B 7/00](#) )
- A47J 43/27 . for mixing drinks; Hand-held shakers ( mechanically driven [A47J 43/042](#) )
- A47J 43/28 . Other culinary hand implements, e.g. spatulas, pincers, forks or like food holders, ladles, skimming ladles, cooking spoons; Spoon-holders attached to cooking pots ( { measuring spoons for powders [A61J](#) , measuring flasks [B01L 3/00](#) }; calibrated capacity measures for fluids or fluent solid material [G01F 19/00](#); weighing spoons [G01G 19/56](#) )
- A47J 43/281 . . { Cooking spoons; Ladles ( table spoons [A47G 21/02](#), [A47G 21/04](#) ) }
- A47J 43/282 . . { Spoons for serving ice-cream }
- A47J 43/283 . . { Tongs; Devices for picking, holding or rotating food }
- A47J 43/284 . . { Hand implements for separating solids from liquids or liquids from liquids }

**WARNING**

Skimmers and skimming ladles are being continuously reclassified to [A47J 43/285](#)

- A47J 43/285 . . . { Skimmers; Skimming ladles }

**WARNING**

Not complete, see also [A47J 43/284](#)

- A47J 43/286 . . . { Hand implements for draining preserving liquid from canned food, e.g. tuna-squeezers ( devices for squeezing-out liquid from liquid-containing material not used as kitchen equipment [B30B 9/02](#); containers with provisions for draining away fluids [B65D 81/26](#) ) }
- A47J 43/287 . . { Holders for spoons or the like attached to cooking pots ( plates with integral holders for spoons [A47G 19/06](#) ) }
- A47J 43/288 . . { Spatulas; Scrapers; Multi-purpose hand implements }

**A47J 44/00**      **Multi-purpose machines for preparing food { with several driving units }**

- A47J 44/02 . with provisions for drive either from top or from bottom, e.g. for separately-driven bowl

**Guidance heading: Other household implements or utensils**

**A47J 45/00**      **Devices for fastening or gripping kitchen utensils { or crockery } ( kitchen cabinets with provision for attachment of kitchen implements or utensils [A47B 77/00](#) )**

- A47J 45/02 . for fastening kitchen utensils to tables, walls, or the like ( for household utensils [A47G 29/087](#) )
- A47J 45/06 . Handles for hollow-ware articles { ( handles for metallic holders [B65D](#) ) }
- A47J 45/061 . . { Saucepan, frying-pan handles ( [A47J 45/07](#) takes precedence ) }
- A47J 45/062 . . { Bowl handles ( [A47J 45/07](#) takes precedence ) }
- A47J 45/063 . . { Knobs, e.g. for lids ( [A47J 45/07](#) takes precedence ) }
- A47J 45/065 . . { Bails, e.g. for pails, for kettles ( [A47J 45/07](#) takes precedence ) }
- A47J 45/066 . . { Collar handles ( [A47J 45/07](#) takes precedence ) }
- A47J 45/067 . . { Handles for coffee pots or the like ( [A47J 45/07](#) takes precedence ) }
- A47J 45/068 . . { Handles having indicating means, e.g for temperature ( [A47J 45/07](#) takes precedence ) }
- A47J 45/07 . . of detachable type ( separate handles, { devices for gripping hot cooking utensils } [A47J 45/10](#) )
- A47J 45/071 . . . { Saucepan, frying-pan handles }
- A47J 45/072 . . . { Bowl handles }
- A47J 45/074 . . . { Knobs, e.g. for lids }
- A47J 45/075 . . . { Bails, e.g. for pails, for kettles }
- A47J 45/077 . . . { Collar handles }
- A47J 45/078 . . . { Handles for coffee pots or the like }
- A47J 45/08 . . Heat-insulating handles ( of detachable type [A47J 45/07](#) )
- A47J 45/085 . . . { Heat shields for handles }
- A47J 45/10 . Devices for gripping or lifting hot cooking utensils, e.g. pincers, separate pot handles, fabric or like pads ( egg grasping devices [A47J 29/06](#); { plate-holders [A47G 19/08](#) } )

**A47J 47/00**      **Miscellaneous kitchen containers, stands, or the like ( { bowls for food processors [A47J 43/0727](#) }; containers in general [B65D](#) ); Cutting-boards, e.g. for bread ( with slicing devices [B26D](#) )**

- A47J 47/005 . { Cutting boards }
- A47J 47/01 . with dispensing devices { ( for butter or the like [A47J 9/00](#); for table use [A47G 19/32](#) ) }
- A47J 47/02 . Closed containers for foodstuffs { ( for table use [A47G 19/30](#) ) }
- A47J 47/04 . . for granulated foodstuffs
- A47J 47/06 . . . with arrangements for keeping fresh
- A47J 47/08 . . for non-granulated foodstuffs
- A47J 47/10 . . . with arrangements for keeping fresh
- A47J 47/12 . . . Bread boxes
- A47J 47/14 . Carriers for prepared human food ( lunch boxes, picnic boxes, or the like [A45C 11/20](#) )
- A47J 47/145 . . { Hand carriers for pizza delivery, e.g. with thermal insulation, heating means or humidity control }
- A47J 47/16 . Stands, or holders for kitchen articles ( racks [A47B](#) )
- A47J 47/18 . Pails for kitchen use
- A47J 47/19 . . Edge protectors; Floor protectors
- A47J 47/20 . Grids, racks, or other supports removably mounted in, on, or over sinks; Splash guards for sinks
- A47J 2201/00      Devices having a modular construction**
- Guidance heading:    Other household implements or utensils**
- A47J 2202/00      Devices having temperature indicating means**
- A47J 2203/00      Devices having filling level indicating means**