53 Foods and delicacies, not provided for in special classes, including fodder

53b Preserving vessels, closing devices for sterilisation

53c Preservation of animal and vegetable foods not provided for in 53d–53f or 53h–53k; artificial ripening of fruit; enrichment of grains; chemical grain shelling processes; natural and artificial sausage casings, chemical part

53d Coffee, coffee substitutes, tea, tea substitutes

53e Milk preservation, milk preparations, and dairy, chemical part

53f Cocoa, chocolate and confectionery

53g Fodder and fodder steaming apparatus

53h Margarine and edible fats

53i Proteins, phosphatides, and preparations containing these substances

53k Manufacture and preparation of foodstuffs not provided for in 53c–53i

53l Production of cocoa, chocolate, sweetmeats, candy and confectionery

53b Preserving vessels, closing devices for sterilisation (cans and can closures 64a-56 – 64a-64; can closing machines 7c-8, 7c-9; devices for heating filled preserving vessels 53c-4)

53b-1 Preserving vessels, sealing rings and materials therefor, chemical part (64a-43)

53b-2 Sterilising bottle closures (6d-1)

53b-3 Sterilising closures for vessels other than bottles; vacuum closures and devices enabling their easy opening; devices indicating state of preservation (53b-2; 64b-22)

53b-4 Sterilisation closure holders (53b-2; 53b-3; 64a-32)

53c Preservation of animal and vegetable foods not provided for in 53d–53f or 53h–53k; artificial ripening of fruit; enrichment of grains; chemical grain shelling processes (stacks for storing field produce 45e-29/01, 45e-25/00; preservation vessels 53b-1); natural and artificial sausage casings, chemical part (mechanical part 66b-15/01 – 66b-16)

53c-1 Preserving of meat, sausage and fish by smoking and drying, smoking apparatus

53c-2 Preserving of meat and fish by salting or pickling

53c-3/01 Preserving of meat and fish by refrigeration, thawing (refrigeration devices 17c; cooling and refrigeration devices on board of ships 65a2-39)

53c-3/02 Manufacture of artificial sausage casings, chemical part (mechanical part 66b-16) and chemical treatment of natural casings (mechanical part 66b-15; substances of skin, meat or leather waste origin without particular binding material in general 39b-26/01)

53c-3/03 Preservation of animal foods otherwise than by smoking, drying, salting, pickling or refrigerating, also production of sausage and sausage-binding materials (66b-11/01)

53c-4 Devices for heating or sterilising filled cans

53c-5 Preservation of eggs, production of dehydrated eggs and the like, egg turners (45h-15/04; 45h-41/06)
53c-6/01 Preservation of vegetable foods apart from grains; manufacture of candied fruits; artificial ripening of fruit (drying apparatus 82a)
53c-6/02 Preservation, bleaching and enrichment of grain, also chemical husking processes (mechanical husking processes 50a-6/10)

53d **Coffee, coffee substitutes, tea, tea substitutes** (roasting devices 82a)

53d-1 Roasting processes for coffee and coffee substitutes
53d-2/01 Preserving of coffee, e.g. by coating
53d-2/02 Enrichment of coffee
53d-3 Production of solid and liquid coffee extracts
53d-4/01 Production of coffee substitutes in general
53d-4/02 Production of grain and malt coffee
53d-5 Production of caffeine-free or caffeine-poor coffee and extracts, and devices therefor
53d-6 Machines for cutting chicory roots
53d-7 Production of tea, tea substitutes, e.g. mate, and their extracts, also of alkaloid-free tea and alkaloid-free tea extracts; tea rollers
53d-8 Preparation of green and roasted coffee beans, and apparatus therefor

53e **Milk preservation, milk preparations, and dairy, chemical part** (mechanical part 45g)

53e-1 Pasteurisation and sterilisation of bottled milk, and devices therefor (6d-1; 6d-2; 30i-1; 30i-2)
53e-2 Pasteurisation and sterilisation of milk in heaters larger than bottles, and devices therefor (degassing of milk 45g-5/02, 45g-11/14; pasteurisation of beer and wine 6d-1; 6d-2; 17f)
53e-3 Preservation of milk (preservation and purification of beer and wine, 6d-3)
53e-4 Evaporation of milk, milk powder (12a-2 – 12a-4)
53e-5 Production of milk products, e.g. mother milk substitutes
53e-6/01 Production of butter and cheese (mechanical part 45g-15/01 – 45g-18/02, 45g-24/01 – 45g-24/07, 45g-15/00, 45g-25/00)
53e-6/10 Preservation of butter and cheese
53e-7 Chemical means and processes in the dairy industry, e.g. milk fat, removal of milk stone (6f-2), use and treatment of dairy waste liquors (85c)

53f **Cocoa, chocolate and confectionery** (mechanical part 53l)

53f-1 Preparing, removing fats and bitter elements from, roasting and cooling cocoa
53f-2 Manufacture of cocoa and chocolate products and their substitutes
53f-3 Manufacture of candy and confectioner's products, marzipan, persipan, ice cream (53e-5; 53k-1 – 53k-2; devices for the production of ice cream 17b-6)

53g **Fodder and fodder steaming apparatus**

53g-1 Feed from molasses (mixing apparatus 2b; 12e; 50f)
53g-2 Feed from blood (53i)
53g-3/01 Feed from distillery waste (6b; 89b; 89c; 89h; 89i; 89k)
53g-3/02 Dairy waste (53e)
53g-3/03 Fermentation fodder (6b; 30h)
53g-4/01 Wood and straw hydrolysis fodder (89i-1/02)
53g-4/02 Meat, fish and bone meal, carcass, slaughter, and kitchen waste (16; 22 i; 23a; 53 i)
53g-4/03 Potato and beet fodder, except silage (53c; 53k; 82a)
53g-4/04 Various auxiliary fodders, such as fodder calcium and cod-liver oil preparations; sprouting vegetable fodders; food for bees, silk worms, fowl, game, fish; bait for game and fish
53g-4/05 Fodder bricks (moulding devices 2b; 58b; 66b; 80a)
### 53g-4/06 Fodder loaves
- Preservation of succulent fodder through storage
  - of green fodder (37f-2/02; 45e-29/03 – 45e-29/04; 45e-25/00; 81e-133 – 81e-137)
  - of potatoes, beets (53e; 53k)
  - Removal of bitter elements and poisons from fodder, e.g. lupines (12p; 53i; 53k)
- Fodder steaming apparatus (8d; 34l)

### 53g-5/01 Margarine and edible fats
- Chemical production of edible fats (biological production 6b-16/03)
- Production of margarine, chemical part
- Enrichment of margarine: aromatisation, addition of colouring [brown] mediums, vitamins, etc.
- Margarine and edible fats, mechanical part: apparatus for mixing, cooling, kneading, shaping etc.

### 53i Proteins, phosphatides, and preparations containing these substances
- Extraction of albumins and proteins (yeast protein 6a-22)
  - from meat
  - from fish and other sea animals (as fodder 53g-4/02)
  - from blood (blood fodder 53g-2; plastic materials from blood 39b-19)
  - from birds’ eggs
  - from hair, feathers, horn, skin, leather, or similar substances
  - from grain seeds, flour, bran, molasses (unrefined gluten 89k-4)
  - from leguminous and other plant seeds, especially from oil production press waste
  - from waste liquors in starch production, potato juice, and similar waste products
  - Extraction of casein, casein precipitation (cottage cheese and cheese 53e-6/01)
  - Drying of casein
  - Rendering casein soluble and foaming (plastic materials from casein 39b-18, 39b6)
  - Protein-containing soup powders and cubes
  - Protein degradation products: soup cubes, meat extracts, etc.
  - Extraction of phosphatides, e.g. lecithin
  - Phosphatide and lecithin preparations
  - Meat and fish meal (as fodder 53g-4/02), meat juice

### 53k Manufacture and preparation of foodstuffs not provided for in 53c – 53i (devices for producing noodles etc. 2b-1/01 – 2b-3/02)
- Manufacture and preparation of foodstuffs not provided for in 53c – 53i or 53k-1/02, 53k-2/01, 53k-2/02, e.g. marmalade, fruit juices and unfermented beverages (6b-21; 6d; 53e)
- Production of pectin for preparation of foodstuffs
- Production of flour and starch products etc. (flour for baking 2c-2/01); dough products, e.g. macaroni, grains, pudding starch, chemical part (2b; 50b-1/01; drying devices 82a)
- Manufacture of products of soya beans, e.g. removing the bitter elements
- Fruit juices (6d-53; fruit presses 34b; 58b)
- Extraction of pectin materials
- Marmalades, fruit jellies, fruit pastes, bread spreads form vegetable substances
- Bee honey (apparatus 45h-19/01, 45h-19/05, 45h-59/00), artificial honey, edible syrup (invert sugar for artificial honey and edible syrup production 89l-2)
- Beverages produced without fermentation (6b-21/01 – 6b-21/03), lemonade powders and extracts
53k-2/01 Grain, flour and starch products (baking flour 2c-2/01, 50b-1/01); foods, germinating flour, flour for sauces
53k-2/02 Treatment of soya beans and other legumes, e.g. removing the bitter elements, manufacture of products therefrom
53k-2/10 Potato products
53k-2/20 Pudding powders and starches
53k-2/30 Farinaceous products (machinery and drying apparatus 2b, 82a)
53k-2/40 Puffed grains, such as puffed corn and the like
53k-3/01 Spices, sauces, table salt and substitutes
53k-3/10 Mayonnaise, mustard
53k-3/20 Use of sweetening agents, aromatisation, and colouring of foodstuffs
53k-3/30 Sauerkraut, mushroom extracts
53k-4/01 Preparation of foods from vegetable raw materials, not provided for in 53c – 53i and 53k-1/01 – 53k-3/30
53k-4/10 Food preparation from animal raw material, not provided for in 53c – 53i
53k-5/01 Vitaminisation and upgrading of foods in general, not provided for in 53c – 53i
53k-6 Production and preparation of foodstuffs in general

53l Production of cocoa, chocolate, sweetmeats, candy and confectionery (chemical part 53f)

53l-1/01 Devices for moulding chocolate products
53l-1/10 Cutting apparatus (2b-7/07; 2b-8/01; 2b-8/02)
53l-1/20 Bar making devices
53l-1/30 Mould structures
53l-2 Devices for shaping hard candy and other candy, also combined with wrapping machines (wrapping machines, 81a-7, 81a-15, 81a-16)
53l-3 Hand moulds for the production of confectionery
53l-4 Shaking tables for moulding confectionery, other de-aerating devices (80a-49)
53l-5/01 Devices for coating cores and pastry
53l-5/10 Rolling machines
53l-6 Devices for the production of filled candy
53l-7 Devices for decorating confectionery and pastry
53l-8 Devices for cleaning and de-powdering confectionery
53l-9 Candy pulling and spinning machines
53l-10 Devices for cutting chocolate and candy (2b-15; 34b-2/01 – 34b-2/50; 34b-4/01 – 34b-4/30)
53l-11/01 Longitudinal grating machines
53l-11/10 Circular grating machines
53l-11/20 Roller frames (23f; 50b-8/01 – 50b-9/10; 50c-13/20)
53l-11/30 Crushing rollers (50c-6; 55c-10/10; 80a-2)
53l-11/40 Cocoa presses (58a)
53l-11/50 Fondant beating machines
53l-11/60 Almond chopping machines
53l-12 Apparatus for cooling, drying and cooking confectionery
53l-13/01 Miscellaneous in connection with the production of confectionery
53l-13/02 Devices for the production of ice confectionery
53l-13/03 Mould conveying devices not provided for in 53l-1/01 – 53l-1/30, 53l-4, 53l-12
53l-13/04 Mould cleaning devices
53l-14 Apparatus for the confectionery trade, e.g. devices for horizontally dividing pies (other cutting devices for cakes and pies 34b-2/40); marzipan production, e.g. marzipan shape cutters (2b-10/01 – 2b-10/02; 2b-16/02; 17b-6/01 – 17b-6/07; 53f-3)