

The Standard Industrial Classification, first introduced in 1948, has been used in classifying censuses of production. The 1968 revised edition formed the basis for the reclassification of all earlier censuses contained in the Analysis, and the relevant Orders, II to XXI, have been extracted and reproduced in this Appendix. Some minimum list headings have been divided into separate census industries: the full list of industries defined for the 1968 census is also included in the Appendix.

Standard Industrial Classification (Revised 1968)

ORDER II – MINING AND QUARRYING

Note: In addition to the actual mining or quarrying, the various Headings and sub-divisions of this Order include cleaning, washing, grading, and similar ancillary operations. Processing activities carried on at the site of the mine or quarry should if possible be identified and classified separately, but if they cannot be separately identified the whole establishment should be classified as follows:

(a) *To a Heading in Order II where the further activities do not substantially alter the nature of the material e.g. the production of salt, roofing slates, road stones (including coated roadstones).*

(b) *To a Heading in Order VI or XVI where the further activities substantially alter the nature of the material e.g. iron works, brick works, cement works.*

101 Coal Mining

Extracting coal from deep mines and quarries. Extracting coal from opencast workings is classified in Heading 500.

102 Stone and slate quarrying and mining

1. Stone quarrying and mining

Extracting granite, limestone, marble, sandstone, etc. from mines, pits or quarries.

2. Slate quarrying and mining

103 Chalk, clay, sand and gravel extraction

104 Petroleum and Natural Gas

Exploration (including boring) for and extracting petroleum on land and off-shore, mining oil shale (including oil shale retorting). Petroleum includes natural gas and natural gas condensates. Producers' off-shore pipe lines are included but not land pipe line terminals owned by associated companies or the Gas Council which are classified in Headings 262, 601 or 811 as appropriate.

109 Other mining and quarrying

1. Iron ore mining and quarrying

Mining or quarrying iron ore, ironstone and bog ore.

2. Other metalliferous mining and quarrying

Mining or quarrying bauxite, copper, gold, lead, silver, zinc and other non-ferrous metals or metalliferous ores.

3. Salt mines, brine pits, salt works

Extracting and refining salt (at mine or pit). Processing, packing, etc. salt at separate establishments is classified in Heading 229.

4. Other non-metalliferous mining and quarrying

Mining or quarrying alum, barytes, graphite, gypsum, fluorspar, etc. Ores and compounds with a metallic content but which are not normally used for the production of metal, e.g. iron pyrites are included in this sub-division and not in iron ore or other metalliferous mining.

ORDER III – FOOD, DRINK AND TOBACCO

211 Grain milling

1. Wheat milling

Milling wheat including the production of wheat offal. The production of self-raising and patent flour at milling establishments is included.

2. Other

Milling, flaking or rolling barley, oats, rye, rice, etc., the production of grain offal, splitting or grinding peas, beans, lentils, soya beans, sago, tapioca, or manufacturing ready-to-eat breakfast cereals such as cornflakes, puffed or shredded wheat.

212 Bread and flour confectionery

Making bread, cakes, pastries, pies (other than meat pies), puddings (other than meat or canned puddings), etc. Production at small bakehouses attached to bakers' shops is classified in Heading 820. (Small bakehouses are those with fewer than 25 employees.)

213 Biscuits

Making biscuits, rusks, shortbread, crispbread, cereal fillers (sausage meal), etc.

214 Bacon curing, meat and fish products

1. Quick freezing meat and fish products

Quick freezing meat and meat products including poultry, and fish and fish products.

2. Other processing and preserving of meat and fish

Curing bacon and ham, canning and otherwise preserving meat, poultry and fish (other than by quick freezing), preparation of oven ready poultry, and making sausages, meat pasties, pies and puddings, meat extracts and essences and meat and fish pastes. Production at distributive establishments is excluded.

215 Milk and milk products

1. Heat treatment of milk

Pasteurizing etc., and homogenizing liquid milk for wholesale and retail distribution. The wholesale and retail distribution of milk is classified in Order XXIII.

2. Butter, cheese, etc.

Making butter, cheese, condensed, evaporated and dried milk, etc., including fresh and preserved cream and infant and invalid foods with a milk base.

3. Ice cream

216 Sugar

Manufacturing or refining sugar, syrup and treacle, molasses and invert sugar.

217 Cocoa, chocolate and sugar confectionery

1. Cocoa and chocolate

Manufacturing cocoa powder, drinking chocolate and chocolate confectionery of all kinds. Cocoa butter is included.

2. Sugar confectionery

Manufacturing boiled sweets, toffee, caramels, marzipan, liquorice, chewing gum and all other types of sweets.

218 Fruit and vegetable products

1. Jam, marmalade, jellies, etc.

Manufacturing jam, marmalade, mincemeat, jellies, fruit curd, fruit pulp, crystallized fruit and candied peel, and honey processing.

2. Quick freezing fruit and vegetables

3. Other fruit and vegetable products

Preserving fruit and vegetables by canning, bottling, pickling,

drying (except field drying), dehydrating; processing fruit and vegetables by heat treatment. Manufacturing potato crisps, pickles, sauces and other relishes, salad cream, vinegar, soups and homogenized baby foods. The canning of spaghetti, etc. is included.

219 Animal and poultry foods

Manufacturing or compounding animal and poultry food, bird and pet foods. The production of grain offals is classified in Heading 211, and of oilseed cakes and meals in Heading 221; the manufacturing of animal and poultry medicines, condiments and spices is classified in Heading 272.

221 Vegetable and animal oils and fats

The production of crude oil from oilseeds, nuts or fish; the refining and hydrogenation (hardening) of vegetable and marine oils, including olive oil, whale oil and fish liver oils and the manufacture of dripping, suet, tallow, premier-jus, oleo-stearine and other animal oils and greases. The production of oilseed cakes and meals is included.

229 Food industries not elsewhere specified

1. Margarine

Manufacturing margarine and compound cooking fats.

2. Starch and miscellaneous foods

Manufacturing starch, starch products and ice, and all foods not elsewhere specified such as cornflour, glucose, blancmange and custard powders, cake mixtures, macaroni, etc., yeast, coffee extracts and essences, and mustard. Blending flour, grinding pepper and spices, shelling and grinding nuts, tea blending, coffee roasting and blending, etc. are included, but the canning of spaghetti, etc. is classified in Heading 218.

231 Brewing and malting

Brewing beer; malting barley.

232 Soft Drinks

Manufacturing aerated waters, fruit squashes and cordials, fruit and vegetable juices, ginger beer and other soft drinks. Soft drinks in powder or crystallized form are included.

239 Other drink industries

1. Spirit distilling and compounding

Distilling gin, whisky and other potable spirits. Blending is included. Distilling industrial alcohol and methylating spirits is classified in Heading 271.

2. British wines, cider and perry

240 Tobacco

Manufacturing tobacco, cigars, cigarettes and snuff

ORDER IV – COAL AND PETROLEUM PRODUCTS

261 Coke ovens and manufactured fuel

1. Coke, excluding low temperature coke

Coke ovens producing hard coke and associated by-products. Coke ovens forming part of the gas industry are classified in Heading 601.

2. Low temperature coke

Plants producing low temperature coke and other manufactured solid fuels (except gas coke and hard coke) whether carbonised or not

262 Mineral oil refining

Refining petroleum or shale oil, and production of medicinal paraffin, paraffin wax, petroleum jelly, etc.

263 Lubricating oils and greases

Blending mineral, animal or vegetable lubricating oils and greases. Blending at refineries is classified in Heading 262.

ORDER V – CHEMICALS AND ALLIED INDUSTRIES

271 General chemicals

1. Inorganic chemicals (including inorganic gases)

Manufacturing chemical elements (including carbon) and com-

pounds excluding those containing carbon (except for certain simple compounds such as calcium carbide, carbon disulphide and carbon dioxide). Prepared inorganic pigments are classified in Heading 277 and fertilizers in Heading 278. Radio-active inorganic elements, compounds and isotopes, mixtures of chemicals, and certain compounds used mainly for specific end-uses (such as hydrosulphites and hypochlorites), are classified in Sub-division 3 of this Heading.

2. Organic chemicals (including organic gases)

Manufacturing separate chemically defined organic compounds (i.e. compounds containing carbon, but excluding condensates, polymers and copolymers, elemental carbon, and certain simple carbon compounds such as calcium carbide, carbon disulphide and carbon dioxide). Products of tar distillation and benzole refining are included. Radio-active organic compounds and isotopes, mixtures of chemicals, and certain compounds used mainly for specific end-uses (such as simple phosphate or phthalate plasticiser chemicals) are classified in Sub-division 3 of this Heading; organic pharmaceutical chemicals and prepared products derived from organic chemicals, such as dyestuffs, pesticide preparations and pharmaceutical preparations are classified in other Headings of this Order.

3. Other chemicals

Manufacturing chemical mixtures, excluding chemical compounds containing impurities, or to which water, solvents or stabilisers have been added solely for reasons of safety, transport or preservation. Certain organic or inorganic compounds used mainly for specific end-uses (such as hydrosulphites, hypochlorites, simple phosphate or phthalate plasticiser chemicals), nuclear fuels, and radio-active elements, compounds and isotopes are included. Pharmaceutical chemicals and preparations are classified in Heading 272, dyestuffs in Heading 277, and pesticides in Heading 279.

272 Pharmaceutical chemicals and preparations

Manufacturing products for therapeutic and prophylactic use (including veterinary) and chemicals for compounding into such products, including the same chemicals when used subsequently as additives to foods and drinks.

273 Toilet preparations

Manufacturing cosmetics, hair dressings, bath salts, shampoos, tooth pastes and powders, perfumes, etc.

274 Paint

Manufacturing paint, varnish, enamel, distemper, wood stain, french polish, white lead (in paste form) and artists' colours. Cement based paint is classified in Heading 464.

275 Soap and detergents

Manufacturing soaps, soap powder, soap flakes, shaving soap or cream, soapless detergents, scouring preparations, primary products of sperm oil (including higher fatty alcohols), stearine, glycerine, candles, night-lights and tapers; fat splitting and distillation.

276 Synthetic resins and plastics materials and synthetic rubber

1. Synthetic resins and plastics materials

Manufacturing synthetic resins and plastics materials in the form of solid and liquid resins, latices, solutions, dispersions and emulsions, moulding and extrusion compounds, foam, non-decorative sheet, laminated sheet (including decorative), film, rods and tubes and profile shapes. Glass fibre sheet and transparent regenerated cellulose film are included. Unformulated synthetic resin adhesives are included, but formulated synthetic resin adhesives (i.e. containing additives such as solvents, plasticisers etc.) are classified in Heading 279. The production of textile fibres from plastics materials is classified in Heading 411. Plastics mouldings, castings or extrusions produced from these synthetic resins and plastics materials and articles cut from plastics sheet are classified in Heading 496. Plastics floor-coverings and decorative plastics sheet (excluding laminated thermosetting sheet) are classified in Heading 492.

2. Synthetic rubber

The manufacture of synthetic rubber. Reclaimed rubber and rubber goods are classified in Heading 491.

277 Dyestuffs and pigments

Manufacturing synthetic dyestuffs, including dyestuffs intermediates, vegetable dyes and tanning extracts, pigment dyestuffs

and lakes and inorganic pigment colours. Confectioners' colours are classified in Heading 271.

278 Fertilizers

Manufacturing or compounding artificial fertilizers.

279 Other chemical industries

1. Polishes

Manufacturing wax and other polishes of all types (except french polish which is classified in Heading 274) for leather, wood or metal. Impregnated polishing cloths and sponges are included.

2. Formulated adhesives, gelatine, etc.

Manufacturing formulated synthetic resin adhesives (i.e. containing solvents, plasticisers etc.); unformulated synthetic resin adhesives are classified in Heading 276. Rubber adhesives are included. Manufacturing gelatine, glue, size, gum, paste etc. including preliminary processes such as scraping and crushing of bones, and grinding gums and natural resins.

3. Explosives and fireworks

Manufacturing explosives, detonators, fuses (not shell fuses), percussion caps, flares, signal rockets, etc. Manufacturing fireworks and matches, and live ammunition. Filling bombs, cartridges, shells, etc. Establishments making live military ammunition which also make the cases for it are classified in Heading 342.

4. Formulated pesticides, etc.

Manufacturing formulated pesticides, sheep dips, weedkillers and other phytosanitary products; fertilizers are classified in Heading 278. Manufacturing disinfectants, excluding antiseptics which are classified in Heading 272.

5. Printing ink

Manufacturing printing ink and printers' rollers.

6. Surgical bandages, etc.

Manufacturing surgical dressings, plasters and bandages whether medicated or not, surgical sutures and sanitary towels.

7. Photographic chemical materials

Manufacturing sensitized photographic film and plate and photographic processing chemicals. Unsensitized photographic film is classified in Heading 276.

ORDER VI – METAL MANUFACTURE

Note: This Order includes smelting, refining and alloying (including steel melting); rolling and drawing; and the production of castings, forgings, and other basic forms of ferrous and non-ferrous metals. Drop forging of iron and steel, wire drawing and further processing and fabrication are excluded. The production of precious metals is classified in Order XII.

311 Iron and steel (general)

1. Wrought Iron

Wrought iron works, including puddling furnaces.

2. Steel

Blast furnaces (including ore preparation plants) producing pig iron (in integrated steel works), ferro-manganese or spiegeleisen. Making alloy or carbon steel in furnaces or converters; rolling (including re-rolling and cold rolling) steel into semi-finished or finished forms, and the production of castings in steel foundries. The production of railway and tramway tyres, wheels and axles, points, switches and crossings, colliery arches and bright bars and heavy forgings is included, as also is the production of steel plates and sheets (including coated and corrugated sheets) in cut lengths or coils, and of tinplate, terneplate and blackplate, as well as semi-finished material for conversion into tubes and wire. The production of tubes and wire is classified in Headings 312 and 394 respectively. Drop forgings, drop stampings and hot pressings are classified in Heading 399.

312 Steel tubes

Manufacturing all types of steel tube and pipe, and fittings therefor, including conduits, gas cylinders and flexible tubes. Blast furnaces (including ore preparation plants) producing pig iron at integrated tube works are included.

313 Iron castings, etc.

1. Pig iron

Blast furnaces (including ore preparation plants) producing pig iron other than those in integrated steel or tube works.

2. Refined pig iron

Re-melting pig iron with scrap iron to produce special qualities of foundry iron.

3. Engineers' castings

Foundries producing iron castings (including malleable iron castings), whether machined or not, for all types of engineering products including vehicles.

4. Other iron castings

Foundries producing all other types of cast iron goods including pipes and gutters, baths, manhole covers, stoves, grates and ranges, hot water boilers and radiators cast in sections, ingot moulds and bottoms, pillar boxes, and cast iron fittings for the furniture trade.

321 Aluminium and aluminium alloys

Manufacturing aluminium and its alloys in the form of ingots, bars, billets, sheets, strip, sections, pipes, tubes, castings, extrusions, drop forgings, etc., including all preliminary processes from smelting and refining onwards. The treatment of bauxite other than in aluminium works is classified in Heading 469.

322 Copper, brass and other copper alloys

Refining copper and making copper alloys (brass, bronze etc.). The production in copper and its alloys of ingots, bars, billets, sheets, strip, foil, circles, sections, rods, pipes, tubes etc., and of die castings. The production of engineers' castings, stampings and pressings is included but wire drawing and the production of finished goods such as hollow-ware are excluded.

323 Other base metals

Smelting and refining lead, zinc, magnesium and titanium and manufacturing their alloys. The production in these metals and alloys of ingots, bars, billets, sheets, strip, foil, circles, sections, rods, pipes, tubes etc., and of die castings. Wire drawing and the production of finished goods such as hollow-ware are excluded.

Manufacturing ferro-chrome, ferro-molybdenum, ferro-silicon, ferro-tungsten, etc., otherwise than in blast furnaces.

Smelting, refining, melting non-ferrous metals not elsewhere specified.

ORDER VII – MECHANICAL ENGINEERING

Note: Establishments specialising in the production of parts for a particular type of machinery included in this Order are classified to the same Heading as manufactures of such machinery unless such parts are specifically classified elsewhere. See also the definition of Heading 349, Sub-division 3.

331 Agricultural machinery (except tractors)

Manufacturing agricultural machinery and implements (including self-propelled agricultural machinery) such as ploughs, harrows, combine harvesters, elevators, etc. Milking machines are included but dairy machinery and appliances are classified in Heading 339, Sub-division 7. Tractors and hand tools such as spades are classified in Headings 380 and 391 respectively. Specialist repairers of agricultural machinery are classified in Heading 832.

332 Metal-working machine tools

Note: Rolling mills and portable power tools are excluded from this Heading and classified in Heading 339; metal manufacturing plant is classified in Heading 341.

1. Metal-cutting machine tools

Manufacturing metal-cutting machine tools, including boring, drilling, grinding and milling machines; lathes and other turning machines; machining centres.

2. Metal-forming machine tools

Manufacturing metal-forming machine tools, including forging machines and hammers, extrusion and other presses, wire-drawing machines and sheet metal working machines.

3. Welding and flame-cutting equipment

Manufacturing all types of electric and gas welding machinery and equipment, and flame-cutting machines. Welding electrodes and rods are included.

4. Other physio-chemical process cutting and forming machines

Manufacture of equipment for high energy rate forming, electrochemical machinery, ultrasonic erosion etc. Electron beams and laser machines for metal-working are included.

333 Pumps, valves and compressors

Note: Component parts of internal combustion engines are excluded from this Heading and classified in Headings 334, 370, or 380-383 as appropriate.

1. Pumps

Manufacturing pumps for handling liquids but excluding pumps specifically designed for actuating hydraulic equipment which are classified in Sub-division 4 of this Heading. Petrol station pumps are included.

2. Valves

Manufacturing industrial valves and cocks including pneumatic control valves.

3. Compressors

Manufacturing air and gas compressors and exhausters. Compressors for refrigerators are classified in Heading 339.

4. Fluid power equipment

Manufacturing equipment for operating machinery by hydraulic or pneumatic means, including hydraulic pumps and motors, hydraulic control and ancillary valves, pneumatic motors, pneumatic and hydraulic actuators, boosters, cylinders, rams and accumulators and power packs.

334 Industrial engines

1. Internal combustion engines

Manufacturing industrial internal combustion engines (other than in marine engineering establishments as defined in Heading 370). Gas turbines and internal combustion engines for rail vehicles are included but internal combustion engines for the propulsion of wheeled tractors, motor vehicles and aircraft are classified in Headings 380, 381 and 382, and 383 respectively.

2. Other prime movers

Manufacturing all other types of prime movers except turbines for electricity generation, which are classified in Heading 361, marine engines, classified in Heading 370, and steam locomotives, classified in Heading 384.

335 Textile machinery and accessories

Manufacturing textile spinning, winding, weaving, knitting, printing, dyeing, etc., machinery, and accessories such as bobbins, combs, reeds, rollers, shuttles, sliver cans, spindles, spools and teasel rods.

336 Construction and earth-moving equipment

Manufacturing excavating and earth-moving equipment such as excavators, crawler tractors, dozers, graders, scrapers, shovel loaders and dumpers; roadmaking and maintenance equipment such as asphalt mixing and laying machines and road rollers, concrete mixers; pile drivers, etc.; and quarry crushing and screening plant. Drag scrapers and cableway excavators and cranes, hoists, etc. are classified in Heading 337 and compressors in Heading 333.

337 Mechanical handling equipment

1. Conveyors, aerial ropeways etc.

Manufacturing aerial ropeways, bucket wheel reclaimers; cableways and cableway excavators; conveyors and feeders (other than underground); drag scrapers; elevators; live storage racks; overhead runways (powered), suspension railways and telfers; pallet hoists; palletizers; pneumatic and hydraulic handling plant; portable and mobile conveyors and elevators; hoists (hydraulic, mechanical and pneumatic) other than builders' hoists, hand-operated, and electric hoists (see Sub-division 4 of this Heading); stacking machines; tipplers and tippers other than for road vehicles; wagon marshalling equipment. Drag line excavators are classified in Heading 336 and colliery conveying equipment is classified in Heading 339.

2. Cranes and transporters

Manufacturing cranes of all types including derrick cranes; dock-side and gantry jib cranes; electric overhead travelling cranes; power operated mobile cranes; steelworks cranes; tower cranes; rail-mounted cranes; and transporters.

3. Lifts and escalators

Manufacturing passenger and goods lifts; escalators and passenger conveyors.

4. Lifting and winding devices

Manufacturing electric hoists using wire rope or chain; hand-operated chain, rope and lever hoists, pulley blocks and sheave blocks; power and hand-operated travelling carriages; lifting jacks and tackle, capstans, winches and windlasses (builders' hoists are included).

5. Powered industrial trucks and industrial tractors

Manufacturing fork-lift and pallet trucks, elevating and fixed platform trucks and other industrial trucks and tractors.

338 Office machinery

Manufacturing typewriters, duplicating (including small offset litho) machines, adding machines, calculating and tabulating machines, cash registers and other machinery for office use. Electronic desk calculators are included but electronic computers are classified in Heading 366. Dictating machines are classified in Heading 365.

339 Other Machinery

1. Mining machinery

Manufacturing boring and cutting machinery, underground, conveyors, screening, washing and other machinery for mines.

2. Printing, bookbinding and paper goods machinery

Manufacturing typesetting and composing room equipment, printing presses, ruling machines, bookbinding machinery (including bookbinders' sewing machines), cardboard box, paper bag, envelope and paper goods making machinery.

3. Refrigerating machinery (except domestic type refrigerators)

Manufacturing refrigerating machinery, commercial refrigerators and commercial refrigerating equipment, including deep freeze and quick freeze machinery. Domestic type refrigerators and deep freeze units (including non-electric refrigerators) are classified in Heading 368.

4. Space-heating, ventilating and air-conditioning equipment

Manufacturing, other than at foundries, equipment for space-heating, ventilating and air-conditioning systems and dust extraction systems, including heater batteries, unit heaters, ventilators, hoods, cowls, ducting, etc. Self-contained air conditioning machines are included but thermostats and similar measuring and controlling apparatus are excluded and classified in Heading 354. Domestic type electric heaters, fans, etc. are classified in Heading 368, and self-contained oil burners and gas heaters in Headings 349 and 399 respectively. Establishments specialising in the installation of equipment are classified in Heading 500.

5. Scales and weighing machinery

Manufacturing scales, spring balances, weighing machinery, etc.

6. Portable power tools

Manufacturing portable power tools of the hand-held type and the type employed in civil engineering, mining and quarrying. Flexible shaft drive tools are included.

7. Food and drink processing machinery

Manufacturing machinery for food and drink preparation, processing and sterilizing. Dairy machinery is included, except milking machines which are classified in Heading 331. Portable domestic electrical appliances are classified in Heading 368, and grain milling plant is classified in Heading 341.

8. Packaging and bottling machinery

Manufacturing machinery for bottling, packing, canning, packeting and labelling and for bottle washing.

9. Other machinery except electrical machinery

Manufacturing boot and shoe machinery, brick making machinery, paper and pulp making machinery, rolling mills and other complete machines not elsewhere specified. Laundry machinery (other than electrical domestic), and dry cleaning machinery are included.

341 Industrial (including process) plant and steelwork

1. Boilers and boilerhouse plant

Manufacturing steam raising boilers of all types and accessories such as mechanical stokers. Marine boilers and hot water boilers cast in sections are classified in Headings 370 and 313 respectively.

2. Other industrial, including process plant

Manufacturing process plant and other industrial plant including lime and cement kilns, gas plant, sintering plant, metallurgical and other furnaces and other metal manufacturing plant (excluding rolling mills), de-greasing and coating plant, chemical petro-chemical and oil refining plant, nuclear reactors, water and sewage treatment plant.

3. Process plant engineering contractors

Contractors responsible for the design, engineering, procurement, construction and commissioning of complete plants for process industries (i.e. chemicals, petro-chemicals, oil refining and gas). Firms responsible for only some of these functions are excluded. For example, consulting engineers not responsible for the complete plant are classified in Heading 879.

4. Constructional steelwork

Manufacturing structural iron and steelwork, e.g. for buildings and bridges (including similar work in other metals) and prefabricated buildings of steel and other metals.

5. Other fabricated iron and steelwork

Manufacturing heavy iron and steelwork (including similar work in other metals) other than for structural uses, including storage tanks, spheres, process pressure vessels, heat exchangers; pipes, chimneys, bunkers, bins and hoppers. (The industrial hollow-ware classified in Sub-division 7 of Heading 399 is excluded.)

342 Ordnance and small arms

Manufacturing guns, machine guns, mortars, rifles, pistols, revolvers, torpedoes, shell cases and components, bomb cases components, cases and components for small arms ammunition, sporting guns, air rifles etc. Tanks are included but armoured cars and troop carriers are excluded and classified in Heading 381. The manufacture of swords, bayonets, etc. except by general cutlery firms is also included.

349 Other mechanical engineering not elsewhere specified

1. Ball and roller bearings

Manufacturing ball, roller, needle and similar bearings, including those for motor vehicles.

2. Precision chains

Manufacturing transmission and other precision chains, including transmission chains for motor vehicles and cycles.

3. Other mechanical engineering

Establishments undertaking general sub-contract or repair work. Establishments manufacturing mechanical engineering products (including machinery parts) not elsewhere specified, or of such a mixed character that they cannot be allocated elsewhere in Order VII.

ORDER VIII – INSTRUMENT ENGINEERING

351 Photographic and document copying equipment

Manufacturing cameras, projectors, photographic accessories and document copying equipment (including machinery using the xerographic process etc.). Photographic lenses are classified in Heading 354, and sensitized paper and cloth, films and plates are classified in Heading 279.

352 Watches and clocks

The manufacture of complete watches and clocks (including electric clocks) and parts other than springs, and of time locks, time recorders, etc. Time switches are classified in Heading 369.

353 Surgical instruments and appliances

1. Surgical, dental and veterinary instruments and appliances

Manufacturing surgical cutlery, dental instruments, splints, trusses, artificial eyes, artificial teeth and artificial limbs, and other surgical and dental appliances. Electro-medical equipment, including X-ray apparatus, is classified in Heading 367. Plastics components are classified in Heading 496.

2. Spectacles, etc.

Manufacturing spectacles, monocles, goggles etc., including frames and lenses. Dispensing opticians other than wholesale are excluded.

354 Scientific and industrial instruments and systems

1. Optical instruments

Manufacturing lenses, prisms and other optically worked elements, telescopes, binoculars, monoculars, microscopes, optical surveying instruments, optical metrological instruments, optical density measuring equipment, ophthalmic instruments, photocells and other optical instruments and apparatus. Optical nautical and aeronautical and gunnery control instruments are included, but the grinding of spectacle lenses is classified in Sub-division 2 of Heading 353. Photographic and cinematographic apparatus is classified in Heading 351.

2. Other scientific and industrial instruments and systems

Manufacturing scientific instruments, equipment and systems for sensing, measuring, indicating, recording and/or control of mechanical, electrical (including electronic), and magnetic magnitudes, including simple measuring devices such as pressure gauges, meters. Ultrasonic instruments and equipment are included. Mechanical and electrical medical measuring instruments are included, but other electro-medical equipment is classified in Heading 367. Engineers' gauges are classified in Heading 390

ORDER IX – ELECTRICAL ENGINEERING

361 Electrical machinery

1. Machinery for generating, transmitting and distributing electric power

Manufacturing electricity generators, turbines for electricity generation and transformers.

2. Switchgear and control gear

Manufacturing starting and controlling gear for electric motors, and switchgear.

3. Other electrical machinery

Manufacturing electric motors, (including electric traction motors and transmission equipment and associated rectifiers), and electrical machinery not elsewhere specified. Electrical equipment for motor vehicles, cycles and aircraft is classified in Heading 369.

362 Insulated wires and cables

363 Telegraph and telephone apparatus and equipment

Manufacturing telegraph and telephone apparatus, switchboards, teleprinters, telewriters, etc. Electronic telecommunications equipment is included.

364 Radio and Electronic Components

1. Valves and other active components

Manufacturing electronic valves (including cathode ray tubes), semi-conductors and electronic rectifiers. Glass envelopes are classified in Heading 463.

2. Integrated circuits

Manufacturing thin and thick film passive and hybrid circuits, monolithic semi-conductor circuits. Printed circuits are classified in Sub-division 3 of this Heading.

3. Other radio and electronic components

Manufacturing resistors, capacitors, inductors, circuit breakers for electronic equipment, sound reproduction components, printed circuits and other components and assemblies not elsewhere specified. The manufacture of electronic components for equipment classified in Heading 365, Sub-division 2 is included. The manufacture of tape decks (other than those for use with computers and related equipment, which is classified in Heading 366) is included.

365 Broadcast receiving and sound reproducing equipment

1. Gramophone records and tape recordings

Manufacturing gramophone records and pre-recorded tape including video tape.

2. Other broadcast receiving and sound reproducing equipment

Manufacturing radio and television receivers, radiograms and

gramophones, tape recorders (including video tape recorders), dictating machines, etc. Manufacturing audio equipment A.F. (audio frequency) amplifiers, and public address systems. Cabinets for radio receivers, etc. are excluded. Electronic components are classified in Heading 364.

366 Electronic computers

Manufacturing digital, analogue and hybrid electronic computers and related equipment, including peripheral equipment for computing systems and data transmission equipment. Telecommunication links classified in Heading 363 are excluded. Computers and peripheral equipment not separable from industrial control systems are classified in Heading 354.

367 Radio, radar and electronic capital goods

1. Alarms and signalling equipment

Manufacturing electric or electronic sound or visual signalling systems or apparatus, for example, bells, sirens, indicator panels, burglar and fire alarms. Road traffic signalling equipment is included, but signalling equipment of vehicles is classified in Heading 369. Electronic railway signalling equipment is included, but electric railway signalling equipment is classified in Heading 384.

2. Other radio, radar and electronic capital goods

Manufacturing radio and television transmitters, radio communication receivers, radar and electronic navigational aids, high-frequency heating apparatus, magnetic compasses and gyroscopes, X-ray apparatus and electro-medical equipment (which includes infra-red, ultra-violet, radiant heat etc., lamps for diagnosis and therapy: electrical and electronic equipment for stimulation and massage; heart, kidney and lung machines; sterilising equipment and reading aids). Industrial electronic control equipment and electronic measuring equipment are classified in Heading 354, electronic computers are classified in Heading 366, and electronic desk calculators in Heading 338.

368 Electric appliances primarily for domestic use

Manufacturing electric vacuum cleaners, washing machines, refrigerators (including non-electric refrigerators), deep freeze units, food mixers, hair clippers and dry shavers, cookers, radiators, toasters, irons and other domestic type electric appliances. The manufacture of refrigerating machinery and commercial refrigerating equipment is classified in Heading 339.

369 Other electrical goods

1. Electrical equipment for motor vehicles, cycles and aircraft

Manufacturing lighting, starting and ignition sets, dynamos, dashboard instruments for road vehicles and wheeled tractors, electric horns, traffic indicators and similar electrical equipment for motor vehicles, wheeled tractors, cycles and aircraft. Accumulators are classified to Sub-division 3, primary batteries to Sub-division 2, and filament lamps to Sub-division 4 of this Heading.

2. Primary batteries

3. Secondary batteries (accumulators)

4. Electric lamps

Manufacturing electric lamp bulbs of all types, including filament lamps, fluorescent tubes, gas discharge lamps, and neon, etc., tubes for advertising, and parts except glass envelopes, which are classified in Heading 463.

5. Electric light fittings, wiring accessories, etc.

Manufacturing electrical wiring accessories, such as lampholders, ceiling roses, plugs and sockets, switches, etc. and electric lighting fittings not elsewhere specified (glassware for lighting fittings is classified in heading 463 and metal fittings by general metal-working establishments in Heading 399), searchlights, flashlight cases and all other types of electrical goods: time switches are included but electric clocks and time recorders are classified in Heading 352.

ORDER X—SHIPBUILDING AND MARINE ENGINEERING

370 Shipbuilding and marine engineering

1. Shipbuilding and ship repairing

Building or repairing ships (naval and merchant), boats, barges, lighters, etc. of all types and sizes, whether self-propelled or not: making oars, masts and spars, rigging and other tackle and ships' models. Off-shore oil and gas drilling rigs (floating) are included.

2. Marine engineering

Manufacturing and repairing main and auxiliary steam (reciprocating and turbine) engines for ships, and marine boilers. The manufacture and repair of internal combustion engines for ships and boats (including outboard motors) is included if carried out in marine engineering establishments: for this purpose a marine engineering establishment is defined as one making or repairing marine internal combustion engines exclusively, or marine and other types of internal combustion engines in association with other activities classified in this Order. The manufacture or repair of internal combustion engines for marine purposes in establishments also manufacturing or repairing internal combustion engines for other purposes is excluded, even though at any particular time the engines for marine purposes constitute the major activity of the establishment. The manufacture of ships' capstans and winches is classified in Heading 337.

ORDER XI—VEHICLES

380 Wheeled tractor manufacturing

Manufacturing and assembling three and four wheeled and half tracked tractors. Manufacturing parts and accessories (other than rough or semi-finished castings and forgings) when made wholly or primarily of metal and not specified elsewhere. Industrial tractors are classified in Heading 337, road tractors solely for tractor-trailer combinations in Heading 381, and electrical accessories and other electrical equipment in Heading 369.

381 Motor vehicle manufacturing

Manufacturing and assembling passenger cars, commercial goods vehicles, road tractors solely for tractor-trailer combinations, buses, battery-electric vehicles, motor drawn trailers and caravans. Three wheeled vehicles are included. Manufacturing engines, bodies, chassis, chassis frames, seats and seat safety belts for motor vehicles, cabs for commercial vehicles, motor body shells. Manufacturing all other parts and accessories (other than rough or semi-finished castings and forgings) when made wholly or primarily of metal and not specified elsewhere. Establishments specialising in reconditioning of engines and gear boxes are included. Powered invalid carriages and industrial trucks are classified in Headings 382 and 337 respectively. Passenger seating for public service vehicles is classified in Heading 472, and electrical accessories and other electrical equipment are classified in heading 369. Parts and accessories made wholly or primarily of asbestos, glass, rubber or plastics are classified in Headings 429, 463, 491 or 496 respectively.

382 Motor cycle, tricycle and pedal cycle manufacturing

Manufacturing and assembling motor cycles, scooters, mopeds, powered invalid carriages, tricycles, bicycles and sidecars. Manufacturing parts and accessories (other than rough or semi-finished castings and forgings) when made wholly or primarily of metal and not specified elsewhere. Children's scooters, tricycles and bicycles are classified in Heading 494. Electrical accessories and other electrical equipment are classified in Heading 369.

383 Aerospace equipment manufacturing and repairing

1. Aircraft and airframe manufacturing and repairing

Manufacturing, assembling, modifying and repairing airframes, complete aircraft, gliders, guided weapons, spacecraft, launch vehicles, sub-orbital vehicles and associated ground equipment, excluding electronic or telemetric equipment which are classified in Heading 367.

2. Aero-engine manufacturing and repairing

Manufacturing and repairing aero-engines and power plant for aircraft, and rocket motors for guided weapons and spacecraft. Parts and accessories are included.

3. Air cushion vehicles (hovercraft)

Manufacturing and repairing air cushion vehicles (hovercraft).

4. Parts and accessories

Manufacturing and repairing parts and accessories for aircraft, gliders, guided weapons, spacecraft, launch vehicles, sub-orbital vehicles and associated ground equipment, and air cushion vehicles. Aeronautical instruments (other than electronic) are classified in Heading 351: radio, radar and other electronic equipment in Heading 364: and electrical accessories and equipment in Heading 369. Parts and accessories made wholly or primarily of asbestos, glass, rubber or plastics are classified in Headings 429, 463, 491 or 496 respectively.

384 Locomotives and railway track equipment

1. Railway workshops

2. Private manufactures

Manufacturing and repairing locomotives of all types, railway signals, turntables and automatic couplings. Passenger coaches embodying a motive unit are classified in Heading 385. Light repairs carried out in railway running sheds are classified in Heading 701.

385 Railway carriages and wagons and trams

1. Railway-owned works

2. Other manufactures

Manufacturing and repairing railway coaches (including those embodying motive units), wagons, trucks, brake vans, axle boxes, etc., tramcars and colliery and other trams and tubs, etc.

ORDER XII—METAL GOODS NOT ELSEWHERE SPECIFIED

390 Engineers' small tools and gauges

Manufacturing engineers' small tools, tool holders and work holders of the types used with metal-working machine tools, and engineers' gauges.

391 Hand tools and implements

Manufacturing chisels, hammers, saws, axes, shears (including sheep shears), scythes, spades, agricultural forks, hoes, rakes, spanners, wrenches, vices and other hand tools and tool accessories. Power tools are classified in Heading 339 and engineers' small tools in Heading 390.

392 Cutlery, spoons, forks and plated tableware, etc.

Manufacturing spoons and forks, table knives, pocket and sheath knives, pruning knives, razors (not electric), razor blades, scissors, manicure sets, etc. Tableware of precious metals or plated with precious metals (e.g. silver plated on nickel silver), and electroplated and stainless steel tableware are included. Surgical cutlery is classified in Heading 353.

393 Bolts, nuts, screws, rivets, etc.

Manufacturing bolts, nuts, screws, metal washers, rivets, split pins, cut nails, zinc nails, etc. Wire nails are classified in Heading 394.

394 Wire and wire manufactures

Manufacturing ferrous and non-ferrous wire and wire products such as wire nails, wire netting, wire gauze, etc. Fabricated steel reinforcement for concrete is included. Insulated electrical wire and wire mattresses are classified in Headings 362 and 399 respectively.

395 Cans and metal boxes

Manufacturing tin and aluminium cans, metal boxes and other small metal containers and parts. Cash and deed boxes are classified in Heading 399.

396 Jewellery and precious metals

Smelting, refining, etc. gold, silver and platinum, etc.; cutting and polishing precious stones; and manufacturing ornaments of gold, silver, pewter, or plated with gold, silver, etc., jewellery, coins and medals. The Royal Mint is included.

399 Metal industries not elsewhere specified

1. Metal furniture

Manufacturing metal bedsteads, chairs, tables, filing cabinets, lockers, shelves, fenders, fire irons and spring and wire mattresses.

2. Metal windows and door frames

Manufacturing metal casements and window frames, door frames and skylights, curtain walling, etc.

3. Safes, locks, latches and keys

Manufacturing safes and strong rooms, cash and deed boxes and all types of locks and keys, except time locks which are classified in Heading 352, and locks for vehicles which are classified in Headings 380, 381, or 382 as appropriate.

4. Springs

Manufacturing spiral and flat (including laminated) springs for all purposes, except vehicle suspension springs and vehicle engine valve springs which are classified in Headings 380, 381 or 382 as appropriate.

5. Drop forgings, etc.

Manufacturing forgings by drop forging, drop stamping or hot pressing. Heavy forgings are classified in Heading 311.

6. Domestic hollow-ware

Manufacturing kettles, saucepans, teapots, buckets and similar domestic articles of base metal. Hollow-ware fitted with an electric element for heating is classified in Heading 368. Domestic tableware of stainless steel and electroplated is classified in Heading 392.

7. Vats, tanks, cisterns and other industrial hollow-ware

Manufacturing metal kegs, drums, barrels, tanks, vats, cisterns (other than cast iron cisterns), etc. Hollow-ware fitted with an electric element for heating is classified in Heading 368. Cans of tin or aluminium are classified in Heading 395.

8. Needles, pins, fish-hooks and other metal small-wares

Manufacturing metal sewing, knitting, hosiery and gramophone needles, toilet, safety, hair and hat pins, crochet hooks and fish-hooks and metal small-wares of all kinds for the clothing, fancy leather goods, harness and saddlery etc. trades, such as bag clasps and frames, buckles, hooks and eyes, snap fasteners, zip fasteners, domestic chain, etc.

9. Domestic gas appliances

Manufacturing gas appliances for cooking, heating, washing, etc. other than of cast iron. Gas central heating systems are classified in Heading 339 and gas-operated refrigerators in Heading 368. Gas meters are classified in Heading 354.

10. Metallic closures

Manufacturing metal closures for bottles, jars and similar containers including crown corks and heavy grade closures for drums, etc. but excluding metal parts and components of cans and metal boxes and of containers of other materials, which are classified in Heading 395.

11. Metal finishing

Grinding, polishing, enamelling, gilding, plating, lacquering, galvanising and other metal finishing processes.

12. Miscellaneous metal goods

Making anchors, grapnels and drags, chains (including non-precision chains for vehicles) and accessories such as shackles, couplings and crane hooks. Manufacturing hand-trucks and wheelbarrows, primarily of metal; parts such as wheels and axles are included. Cold pressing, stamping, piercing base metals in the production of metal goods not elsewhere specified for the motor vehicle, mechanical and electrical engineering, furniture, construction, etc. trades such as bumpers, fuel tanks, motor body fittings, brackets, gates, ladders, door handles, stair rods, etc. General sheet metal working in base metals and welding is included but the production of engineers' non-ferrous stampings and pressings is classified in Headings 321, 322 or 323.

ORDER XIII—TEXTILES

411 Production of man-made fibres

Manufacturing staple fibre and continuous filament yarn by extrusion. The preparation of continuous filament yarn for weaving or knitting (doubling, twisting, winding etc.) is included when carried out at the same establishment.

412 Spinning and doubling on the cotton and flax systems

Spinning, doubling or otherwise preparing yarn of cotton, flax, soft hemp, silk, and of man-made fibres (including glass fibre) on the cotton or flax systems.

413 Weaving of cotton, linen and man-made fibres

Weaving fabrics, other than narrow fabrics, from yarns of cotton, silk and linen, and from man-made fibres (including glass fibre) by firms in the cotton and linen industries. Establishments both weaving and finishing cloth are included as well as such establishments also producing made-up household textiles.

414 Woollen and worsted

1. Wool sorting, cleaning etc. and combing and topmaking

Sorting, cleaning, blending, etc. and combing virgin wool and fine animal hair and making tops (including tops of man-made fibre) and carded sliver, converting tow to tops without combing. The processing of laps and noils and other soft waste is included.

2. Worsted spinning

Spinning of yarns on the worsted system.

3. Worsted weaving

Weaving fabrics, other than narrow fabrics, of yarns spun on the worsted system.

4. Wool recovery

Manufacturing mungo and shoddy from woollen and worsted fabric waste and the processing of hard waste for use in woollen spinning.

5. Woollen spinning and weaving

Spinning of yarn on the woollen system and weaving fabric, other than narrow fabrics, of such yarns. Making-up blankets, travelling rugs, etc. of such yarns is included.

6. Pressed felt

Manufacturing pressed felt of wool or hair. The manufacture of woven felt is included in Sub-divisions 3 and 5 of this Heading. The manufacture of needleloom felt is classified in Heading 429.

415 Jute

Sorting of jute, spinning yarn and weaving fabrics, other than narrow fabrics, of jute and man-made fibres in the jute industry.

416 Rope, twine and net

Manufacturing rope, twine, string, cord, etc. fishing nets, garden and horticultural nets, sports nets, hammocks, etc. of natural or man-made fibres.

417 Hosiery and other knitted goods

Knitting fabrics on warp looms; knitting stockings, socks, garments and other goods including weft knitted fabrics. The making-up of household textiles and of clothes cut from knitted fabric is included when carried out in knitting establishments. Making-up clothes cut from purchased knitted fabric is classified in Order XV.

418 Lace

Manufacturing lace, lace furnishings (curtains, etc.), lace net and veilings, and lace embroidery (all-over, trimmings and edgings, flouncings, etc.) in the piece and finishing lace (drawing, ending, scalloping, clipping, mending, etc.). The embroidering of woven household textiles and handkerchiefs is classified in Heading 422, the embroidering of clothing in Order XV and the bleaching, dyeing and dressing of lace on commission in Heading 423.

419 Carpets

Manufacturing pile carpets, carpeting, rugs, mats and matting from wool, cotton and man-made fibres, whether by weaving, tufting or other processes. Needleloom carpets are classified in Heading 429.

421 Narrow fabrics (not more than 30cm. wide)

1. Elastics

Manufacturing woven, knitted or braided elastics or elastomers. Elastics and elastomers over 30 cm. wide are classified in Heading 413 if woven and Heading 417 if knitted or netted.

2. Woven machinery belting

Weaving machinery belting of all materials on narrow looms.

3. Other narrow fabrics

Manufacturing ribbon, braid, tape, webbing, binding, braided bootlaces etc. other than elastic.

422 Made-up textiles

1. Household textiles and handkerchiefs

Cutting, stitching, hemming, embroidering, etc. quilts, counterpanes, sheets, pillowslips, towels, tablecloths, duchess sets,

cleaning and polishing cloths etc. and handkerchiefs and nursery squares. Tufting of fabrics for household textiles, including blankets, and making-up of such fabrics. The making-up of soft furnishings if classified in Heading 473. Weaving and knitting establishments producing made-up household textiles are classified in Headings 413 or 414, and Heading 417, respectively.

2. Canvas goods and sacks and other made-up textiles

Manufacturing sacks and bags, tents, awnings, tarpaulins, sails, made-up filter cloths, etc.

423 Textile finishing

Bleaching, dyeing, printing and finishing of yarns and fabrics (whether woven or knitted). Foam backing of textile materials, and the bonding of fabric to fabric. The finishing of lace is included with the manufacture of lace, but bleaching, dyeing, and dressing lace on commission is classified in this Heading. The scouring, carbonising and dyeing of wool and hair and wool and hair tops in association with sorting, blending and combing is classified in Heading 414. The finishing of fabric when carried out at weaving establishments is classified in Heading 413.

429 Other textile industries

1. Asbestos

Carding, spinning, weaving, felting and moulding of asbestos fibre and manufacturing engine and boiler packing, brake and clutch linings, etc. The manufacture of asbestos cement goods is classified in Heading 469.

2. Other

Spinning and weaving coconut fibre, horsehair, ramie, etc. making coir mats; manufacturing needleloom felt, needleloom carpets, etc., tufting of fabrics not elsewhere specified. Manufacturing non-woven (bonded fibre) fabrics.

ORDER XIV—LEATHER, LEATHER GOODS AND FUR

431 Leather (tanning and dressing) and fellmongery

1. Leather

Curing, degreasing, tanning, dyeing, etc. all types of hides and skins; making leather machinery belting and leather laces.

2. Fellmongery

Removing the wool from sheepskins and lambskins and making sheepskin mats and rugs.

432 Leather goods

Manufacturing trunks, suitcases, handbags, pocket books, belts, straps, harness, saddlery and other goods (except clothing) of leather or leather substitutes (including plastics and fibreglass).

433 Fur

Sorting, dressing and dyeing furs and manufacturing fur apparel, fur muffs, fur trimmings, fur mats and rugs and hatters' fur.

ORDER XV—CLOTHING AND FOOTWEAR

Note: This Order includes the making-up of clothes cut from purchased knitted fabric, but not the manufacture of knitted goods by establishments classified in Heading 417 (Hosiery and Other Knitted Goods). Retail bespoke tailoring and dressmaking and workrooms attached to retail shops are excluded and classified in Order XXIII.

441 Weatherproof outerwear

Making raincoats, oilskins, rubber outerwear and other water-proof outerwear, including outerwear cut from plastic materials, for adults and children of both sexes.

442 Men's and boys' tailored outerwear

Making men's and boys' overcoats, suits, jackets, trousers, kilts, uniforms, liveries, etc. whether ready-made or to measure. Clerical (cassocks, surplices, etc.), academic, legal, etc. clothing made by men's tailors is included. Jeans and similar garments are classified in Heading 444.

443 Women's and girls' tailored outerwear

Making coats, costumes, skirts, slacks and other tailored garments for women and girls.

444 Overalls and men's shirts, underwear, etc.

1. Heavy overalls and jeans

Making men's and women's industrial overalls, dungarees, jeans and similar garments, chefs' clothing, etc.

2. Men's and boys' shirts, underwear and nightwear

Making men's and boys' shirts, collars, pyjamas, dressing gowns, underclothing, athletic clothing, etc.

445 Dresses, lingerie, infants' wear, etc.

1. Light outerwear

Making women's and girls' dresses, blouses, dressing gowns, domestic aprons and overalls and other untailored outer garments. Women's industrial overalls are classified in Heading 444.

2. Lingerie

Making women's and girls' underclothing, nightdresses, pyjamas, etc.

3. Infants' wear

Making clothes designed for infants. Nursery squares are classified in Heading 422.

446 Hats, caps and millinery

1. Felt hats

Manufacturing wool felt and fur felt hats, hoods and capelines.

2. Other

Manufacturing all other sorts of headgear (except fur hats) for adults and children and made-up linings, etc. for headgear.

449 Dress industries not elsewhere specified

1. Corsets and swimwear

Manufacturing corsets, suspender belts, brassieres, etc. women's and girls' swimsuits and men's and boys' swimtrunks.

2. Gloves

Manufacturing all types of cloth, leather or fur gloves and mittens, except sports gloves. Knitted gloves and rubber gloves are classified in Headings 417 and 491 respectively.

3. Umbrellas and walking sticks

Making and covering umbrellas and parasols and manufacturing walking sticks.

4. Other

Making neckties, scarves, etc. (including making-up from purchased knitted material), belts and braces (not leather), garters, suspenders, cloth leggings and gaiters, wigs, theatrical costumes, artificial flowers, feather ornaments, etc.

450 Footwear

Manufacturing footwear of all types and materials. The cutting of leather soles and heels is included but not wooden soles, heels or lasts, which are classified in Heading 479, or plastics components which are classified in Heading 496.

ORDER XVI—BRICKS, POTTERY, GLASS, CEMENT, ETC.

461 Bricks, fireclay and refractory goods

1. Refractory goods

Manufacturing heat-resisting products such as ganister, magnesite and silica bricks, fireclay and graphite crucibles, gas retort and kiln linings, steel moulders' composition and radiants for gas and electric fires.

2. Non-refractory goods

Manufacturing building bricks, clay flooring and roofing tiles, chimney pots, stoneware pipes and conduits, fireclay sanitary ware and other similar clay products. Glazed earthenware tiles are classified in Heading 462.

462 Pottery

1. Electrical ware

Manufacturing parts of electrical plant, apparatus and equipment from pottery clay and similar material.

2. Glazed earthenware tiles and sanitary earthenware

3. Other china and earthenware

Manufacturing domestic pottery (plates, cups, saucers, etc.), earthenware jars, china ornaments, etc. Decorating and repairing china and earthenware are also included.

463 Glass

1. Glass (other than containers)

Manufacturing all types of flat glass, safety glass, glass bricks, glass rods, glass tubing, domestic glassware, mirrors, leaded lights, lamp glasses and glass envelopes for lamp bulbs, scientific and medical glassware, and all other glass products except those classified in Sub-division 2 of this Heading. Glass cutting, decorating, engraving, polishing, staining, etc. The cutting of glass to size in the course of distribution is classified in Heading 831. The manufacture of optical glass is included but the grinding of lenses is classified in Heading 353 or 354. Manufacturing glass fibre roving, mat, chopped strand and roving, and thermal insulating materials, but excluding manufactures of glass fibre. Glass fibre yarn, tape and cloth are classified in Headings 412, 421 and 413 respectively. Resin bonded fibreglass sheets and mouldings are classified in Heading 496, but complete fibreglass boats are classified in Heading 370.

2. Glass containers

Manufacturing glass bottles, bottle stoppers, jars, syphons and vacuum flasks.

464 Cement

Manufacturing calcareous (Portland) and aluminous cements. Gypscous cements are classified in Heading 469.

469 Abrasives and building materials, etc. not elsewhere specified

1. Abrasives

Shaping natural abrasives into grindstones, etc., grinding natural and synthetic abrasives; coating cloth and paper with abrasives and making abrasive bonded wheels, discs, etc. Metallic abrasives are classified in Heading 399.

2. Building materials, etc. not elsewhere specified

Manufacturing asbestos cement and concrete products, ready-mixed concrete, plaster and plaster products, lime and chalk products, roofing and damp-proof course felts, slate products; the working of stone, and mineral manufactures not elsewhere specified.

ORDER XVII—TIMBER, FURNITURE, ETC.

471 Timber

1. Sawmilling, etc.

Establishments engaged in sawing, planing, drying, bending, creosoting, etc. wood, and in producing wood flooring, sawn fencing, wood sleepers, telegraph poles, mining timber, veneers, plywood, chipboard, etc. Felling by sawmillers is included; other felling is classified in Heading 002.

2. Other woodwork for buildings

Manufacturing wooden doors, window frames and other builders' woodwork, wooden poultry houses, greenhouses, summerhouses and other portable wooden buildings. Separate wood-working establishments of building firms are included.

472 Furniture and upholstery

Manufacturing wooden or upholstered domestic, office, school, church, theatre and cinema furniture, wooden radio and television cabinets, billiard tables, upholstered seats for public service vehicles, basket furniture, etc. Upholstered seats for cars and commercial vehicles are classified in Heading 381, aircraft passenger seats in Heading 383, metal furniture in Heading 399, and rustic furniture in Heading 479.

473 Bedding, etc.

Making-up curtains, blinds (other than shop blinds), and loose covers, and manufacturing cushions, feather beds and pillows, mattresses (not wire mattresses), divan beds and similar goods. Covered rubber or plastics foam mattresses, pillows and cushions are included. Shop blinds are classified in Heading 474, wire mattresses in Heading 399, and quilts in Heading 422.

474 Shop and office fitting

Manufacturing office, shop, bank, bar and hotel fittings, show cases, display and exhibition stands, shop fronts, shop blinds, wood shutters, etc. Installation of these fittings is included. Signwriting and lettering is also included in this Heading.

475 Wooden containers and baskets**1. Cooperage and baskets**

Manufacturing wooden barrels, casks, kegs, vats, buckets, etc., and such parts as staves, cask heads and bungs. Preparing canes and osiers and manufacturing baskets, hampers, punnets, skips, trugs, etc.

2. Boxes, crates, etc.

Manufacturing wooden boxes, packing cases, crates, cigar boxes, tea chests and other similar containers.

479 Miscellaneous wood and cork manufactures**1. Cork manufactures**

Manufacturing cork mats, stoppers, insulating material, life-belts, buoys, etc.

2. Wooden heels, lasts, etc.

Manufacturing wooden heels, wooden lasts, boot trees, etc.

3. Other wood manufactures

Manufacturing and repairing horse-drawn carts, carriages and wagons, and hand trucks and wheelbarrows, primarily of wood. Parts such as wheels and axles are included. Manufacturing other wooden goods, such as tool handles, picture frames, ladders, domestic woodware, rustic furniture, coffins, etc. General carpenters and joiners (not mainly engaged on building site) are included.

ORDER XVIII—PAPER, PRINTING AND PUBLISHING**481 Paper and board**

Manufacturing all types of paper and board including newsprint, printing and writing paper, wrapping paper, cigarette paper, cardboard and building board, and paper coating. Paper sensitizing is excluded and classified in Heading 279.

482 Packaging products of paper, board and associated materials**1. Cardboard boxes, cartons and fibre-board packing cases**

Manufacturing all types (whether printed or not) of rigid or folding cardboard and paper boxes, canisters and other containers except fibre card and sliver cans which are classified in Heading 335 and paper bags, etc., classified in Sub-division 2 of this Heading.

2. Packaging products of paper and associated materials

Manufacturing paper bags, including printed bags, multi-wall paper sacks, etc.

483 Manufactured stationery

Manufacturing writing pads, envelopes, manuscript books, account books, office and school stationery, cardboard files, index cards and tabulating machine cards.

484 Manufactures of paper and board not elsewhere specified**1. Wallpaper**

Establishments printing wallpaper (including coated wallpaper).

2. Other

All other establishments manufacturing paper, cardboard or papier mache goods.

485 Printing, publishing of newspapers

Printers and publishers (including publishers who do not do their own printing) of national daily and Sunday newspapers, and local newspapers published at not more than weekly intervals.

486 Printing, publishing of periodicals

Printers and publishers (including publishers who do not do their own printing) of magazines; journals of opinion; trade, technical, professional, religious and specialised publications issued regularly at intervals exceeding 24 hours.

489 Other printing, publishing, bookbinding, engraving, etc.

Printers and publishers of books (including publishers of books who do not do their own printing), maps, music, religious tracts, almanacs, etc.; general printers; printers of banknotes, postage stamps, tickets. Christmas cards, playing cards, etc. and allied industries such as letterpress bookbinding and book repairing, die sinking and relief stamping, etching and engraving printing plates and rollers, printing on metal, etc. This Heading includes Her Majesty's Stationery Office and other government printing establishments.

ORDER XIX—OTHER MANUFACTURING INDUSTRIES**491 Rubber****1. Tyres and tubes**

Manufacturing and re-treading solid and pneumatic tyres of all types and inner tubes.

2. Other rubber goods

Manufacturing rubber sheeting, soles and heels, sponge rubber, rubber tubing and hose, cellular rubber, rubber gloves, bathing caps, underwater equipment, inflatable goods, toys, uncovered balls, matting, flooring and tiling, components and accessories not elsewhere specified. Plastics belting and plastics hose are included. Synthetic rubber products are included, but the manufacture of synthetic rubber is classified in Heading 276. Rubber footwear and moulded parts of footwear are classified in Heading 450, weatherproof outerwear in Heading 441, covered rubber mattresses and pillows in Heading 473, rubber adhesives in Heading 279, and covered rubber thread in Heading 421.

492 Linoleum, plastics floor-covering, leathercloth, etc.

Manufacturing linoleum, vinyl and other plastics floor-coverings, felt-base, oilcloth, leatherette, leathercloth coated with PVC, nitro-cellulose or other plastics, and unsupported decorative PVC sheet.

493 Brushes and brooms

Manufacturing brushes and brooms of all materials, painters' and decorators' brushes and painting rollers, toilet, household, artists' and industrial brushes, household and industrial mops, dressed bristles, hair and fibres.

494 Toys, games, children's carriages and sports equipment**1. Toys and games**

Manufacturing children's toys of all kinds (except rubber toys), children's bicycles, scooters and tricycles, indoor games, including chess and draughts sets and jigsaw puzzles, and conjuring apparatus. Playing cards are classified in Heading 489.

2. Children's carriages

Manufacturing perambulators, push chairs, folding baby carriages, invalid carriages, etc.; parts such as wheels and axles are included. Powered invalid carriages are classified in Heading 382.

3. Sports equipment

Manufacturing sports and gymnastic equipment and requisites. Sports nets are classified in Heading 416 and billiard tables and bagatelle boards in Heading 472.

495 Miscellaneous stationers' goods**1. Pens and pencils of all kinds**

Manufacturing and assembling of fountain pens and nibs, ball-point pens and refills, felt and fibre tipped pens, pencils, chalks, crayons and pastels.

2. Other stationers' goods

Manufacturing rubber and date stamps and accessories, office machinery requisites, staplers, pencil sharpeners, writing and duplicating ink.

496 Plastics products not elsewhere specified

Manufacturing plastics goods and components, including resin bonded fibreglass goods, not elsewhere specified. Plastics building materials, rainwater goods etc. are included. Plastics packaging is included, but bags of transparent regenerated cellulose film are classified in Heading 482. Covered mattresses of plastics foam are classified in Heading 473, plastics hose and belting in Heading 491, plastics floor coverings in Heading 492,

plastics brushes in Heading 493, plastics toys, games and sports requisites in Heading 494, plastics buttons in Heading 499, and plastics products used as leather substitutes in Heading 432. Fibreglass boats are classified in Heading 370.

499 Miscellaneous manufacturing industries**1. Musical instruments**

Manufacturing pianos, organs and parts, and all types of wind, string and percussion instruments, including electronic musical instruments. Repairing, rebuilding and tuning of organs is included. Automatic and player pianos are included but gramophones and gramophone records are classified in Heading 365.

2. Other

All other manufacturing industries not elsewhere specified.

ORDER XX—CONSTRUCTION**500 Construction**

Erecting and repairing buildings of all types. Constructing and repairing roads and bridges; erecting steel and reinforced concrete structures; other civil engineering work such as laying sewers, gas or water mains, and electricity cables, erecting overhead lines and line supports and aerial masts, extracting coal from opencast workings, etc. The building and civil engineering establishments of government departments, local authorities and New Town Corporations and Commissions are included. On-site industrialised building is also included

Establishments specialising in demolition work or in sections of construction work such as asphaltting, electrical wiring, flooring, glazing, installing heating and ventilating apparatus, painting, plastering, plumbing, roofing. The hiring of contractors' plant and scaffolding is included.

ORDER XXI—GAS, ELECTRICITY AND WATER

Note: This Order includes construction work carried out by employees of gas, electricity and water undertakings.

601 Gas

The production and distribution of gas. Showrooms are included.

602 Electricity

The production and distribution of electricity. Establishments producing electricity for railway, tramway and trolleybus operation and for groups of factories are included. 'District heating' and electricity showrooms are also included.

603 Water supply**1. Public authorities****2. Companies**

Purifying and distributing water, and the supply of hydraulic power.

CONTENTS:

INTRODUCTION

TABLE (i) (Parts 1 to 4) Wholesale price index numbers (Output series), 1900 to 1970

TABLE (ii) Wholesale price index numbers (Input series), 1949 to 1970

TABLE (iii) (Parts 1 to 3) Retail price index numbers, 1900 to 1970

TABLE (iv) (Parts 1 and 2) Weekly wage rate index numbers, 1920 to 1970

TABLE (v) Manual work: Indices of basic weekly and hourly rates of wages, normal weekly hours, 1956 to 1970

TABLE (vi) Hours of work: Indices of total weekly hours worked by all operatives, 1956 to 1970

Introduction

1 This appendix contains index number information which was not collected in censuses of production but is necessary for the interpretation of the census information given in the body of this volume. All the census data are given in the appropriate census year terms: no attempt has been made to make a heading's value data comparable across censuses. Thus, if one wanted to compare the output of the textile industries for the years 1963 and 1970, the procedure would be:

	1963	1970
(a) Gross output of the textiles order from Table 1.	£2,151.4mn	£2,960.2mn
(b) Wholesale price indices from Table (i)(Part 4), 1963 = 100	100	116
(c) [(a) ÷ (b)] x 100 Gross output adjusted for price changes.	£2,151.4mn	£2,551.9mn

From (a) the apparent growth in the textiles industries from 1963 to 1970 was 37.6 per cent. However, concealed in this increase was some variation in the wholesale prices of the industries and a better estimate of output change between 1963 and 1970 is given from line (c) as 18.6 per cent.

2 Care should be taken where the comparison spans more than one part of a series, i.e. where the price indices for the two years under consideration are calculated relative to a different base year. Where there is a break in the series because of a base year change indices are given for both the old and new series. For example, the price indices for the food products part of the wholesale price output series in the years 1951 and 1961, from Table (i)(Part 4) were 118 and 107 on base year 1949 and 1954 respectively. Food products has two index numbers for 1954: 139 on the 1949 base and 100 on the 1954 base.

The two series are now spliced yielding a series:

1951	$\frac{1951 \text{ Index, 1949 base} \times 1954 \text{ Index, 1954 base}}{1954 \text{ Index, 1949 base}}$
	$= \frac{118 \times 100}{139} = 85$
1954	100
1961	107

3 The Business Statistics Office is grateful to the Royal Statistical Society, and the London and Cambridge Economic Service for permission to publish copyright material in this section. Acknowledgement is given in the source notes.

**Table (i) (Part 1) Wholesale price index numbers (Output series), 1900 to 1920
(1900 = 100)
Weighted arithmetic average of 47 articles**

**Appendix II
Table (i) (Part 1)**

Year	Coal and metals	Textiles (Raw materials)	Food, drink and tobacco	Miscellaneous	All articles
1900	100	100	100	100	100
1901	82	93	100	96	97
1902	76	92	101	92	96
1903	74	102	101	92	97
1904	71	113	101	88	98
1905	71	107	101	91	98
1906	78	121	101	96	101
1907	87	127	106	100	106
1908	78	110	107	95	103
1909	74	121	109	96	104
1910	77	136	109	104	109
1911	75	129	112	106	109
1912	85	120	120	110	115
1913	92	135	118	109	116
1914(Jan-July)	86	135	115	106	114
1914(Aug-Dec)	89	117	130	119	123
1914(Year)	87	129	121	111	117
1915	117	120	154	144	144
1916	166	180	189	204	186
1917	182	270	246	256	243
1918	205	354	260	269	268
1919	280	373	280	318	296
1920	419	504	334	337	369

Table (i) (Part 2) Wholesale price index numbers (Output series), 1913 to 1930
(1913 = 100)
Weighted geometric average of 150 price series

	Cereal	Meat and fish	Other food	Total food	Iron and steel	Coal
Number of items	17	17	19	53	24	10
1913	100	100	100	100	100	100
1914 to 1919	not computed					
1920	273	262	279	272	358	332
1921	194	218	214	209	210	243
1922	151	172	172	165	137	172
1923	139	156	168	154	147	179
1924	160	154	184	166	143	172
1925	164	162	173	166	126	146
1926	150	154	160	155	124	185
1927	153	138	165	152	120	134
1928	149	141	167	152	112	118
1929	138	146	152	145	114	124
1930	109	140	132	127	113	121

Table (i) (Part 3) Wholesale price index numbers (Output series), 1930 to 1949
(1930 = 100)

Year	Cereals	Meat, fish and eggs	Other foods and tobacco	Total food and tobacco	Iron and steel	Coal
1930	100	100	100	100	100	100
1931	82	83	98	88	93	103
1932	88	75	97	88	92	103
1933	83	77	87	83	94	102
1934	86	81	87	85	99	102
1935	90	80	90	87	100	102
1936	99	81	95	92	101	108
1937	127	86	99	102	130	125
1938	110	86	98	97	139	123
1939	96	89	105	97	132	121
1940	138	115	143	133	159	140
1941	150	118	166	146	181	160
1942	189	117	171	158	182	171
1943	179	122	179	160	183	186
1944	167	122	182	158	184	209
1945	165	122	185	158	189	237
1946	167	124	182	158	209	244
1947	172	122	198	165	222	252
1948	177	136	225	181	236	297
1949	197	156	231	196	253	304

Appendix II
Table (i) (Part 2)

Other metals and minerals	Cotton	Wool	Other textiles	Miscellaneous	Total non-food	All articles
10	16	9	6	22	97	150
100	100	100	100	100	100	100
190	480	356	339	273	328	307
132	192	158	194	196	191	197
116	182	160	173	166	155	159
114	202	179	160	162	161	159
120	228	219	166	158	166	166
122	210	197	172	157	155	159
120	158	170	148	145	144	148
112	155	170	138	142	136	142
107	164	186	138	142	134	140
116	154	166	132	136	132	136
95	121	122	102	124	116	120

Appendix II
Table (i) (Part 3)

Non-ferrous metals	Cotton	Wool	Other textiles	Chemicals and oils	Miscellaneous	Total industries, materials and manufactures	Total articles
100	100	100	100	100	100	100	100
81	79	81	79	90	87	87	88
83	78	75	77	91	80	85	86
87	79	85	73	90	84	87	86
84	88	95	66	87	89	90	88
87	87	90	69	91	86	90	89
93	89	105	72	94	92	96	94
117	98	128	76	99	110	112	109
94	84	101	69	95	93	104	101
100	88	106	80	95	99	106	103
123	125	157	108	117	143	138	137
124	138	170	120	127	169	156	153
126	141	173	128	136	172	160	159
126	137	177	133	146	177	164	163
128	154	184	134	151	184	170	166
127	162	185	139	149	189	175	169
151	173	186	151	148	189	184	175
222	200	212	166	176	211	207	192
242	300	276	168	191	267	242	219
255	322	305	170	191	257	249	230

Table (i) (Part 4) Wholesale price index numbers (Output series), 1949 to 1970
(Home sales)

Year	Manufactured products	Products except food	Food products	Chemical and allied industries	Steel industries	Mechanical engineering
1949 = 100						
1949	..	100	100	100	100	..
1950	..	107	..	104	101	..
1951	..	125	118	121	113	..
1952	..	128	132	131	136	..
1953	..	125	139	130	140	..
1954	..	126	139	131	141	..
1954 = 100						
1954	100	100	100	100	100	100
1955	103	103	102	100	105	105
1956	107	108	106	103	113	111
1957	110	112	107	106	125	116
1958	111	113	105	106	130	120
1959	112	114	107	107	129	120
1960	113	116	107	106	128	123
1961	116	119	107	105	130	127
1962	119	121	111	104	133	129
1963	120	121	114	105	134	132
1963 = 100						
1963	100	100	100	100	100	100
1964	103	102	104	100	100	102
1965	107	105	106	101	102	106
1966	110	107	108	102	105	110
1967	111	108	110	102	106	112
1968	115	112	114	106	107	115
1969	120	116	119	106	112	120
1970	128	125	128	111	130	132

Source: Department of Industry

Appendix II
Table (i) (Part 4)

Electrical engineering	Engineering and allied industries	Textile industries	Clothing and footwear	Timber industries	Paper industries	Building and civil engineering
..	..	..	100	..	100	100
..	..	..	104	..	101	101
..	..	..	125	..	168	117
..	..	..	115	..	161	126
..	..	..	114	..	131	123
..	..	..	114	..	133	123
100	100	..	100	100	100	..
104	105	..	100	103	105	..
106	110	..	102	107	109	..
105	114	..	104	108	110	..
105	116	..	106	106	110	..
105	117	..	105	105	108	..
105	119	..	107	108	108	..
106	122	..	109	110	110	..
107	123	..	110	112	111	..
108	124	..	111	112	112	..
100	100	100	100	100	100	..
102	102	102	101	104	102	..
104	105	104	103	109	106	..
108	108	105	106	112	107	..
108	109	104	107	112	108	..
112	113	108	109	119	113	..
116	117	112	112	123	118	..
126	128	116	114	131	131	..

Table (ii) Wholesale price index numbers (Input series), 1949 to 1970 (a)

Appendix II
Table (ii)

Year	Fuel: All manufactures	Materials: Mechanical engineering	Materials: Textiles	Materials: All manufactures	Materials and fuel: All manufactures	Materials and fuel: All except food	Materials: All except food	Materials and fuel: food industries	Materials and fuel: Chemicals	Materials and fuel: Mechanical engineering
1949 = 100 (30 June)										
1949	100	100	100	..	..	..	..	..	..	..
1950	103	113	155	..	..	..	..	..	..	..
1951	112	134	211	..	..	..	..	..	..	..
1952	124	150	155	..	..	..	..	..	..	..
1953	131	146	146	..	..	..	..	..	..	..
1954	136	150	147	..	..	..	..	..	..	..
1954 = 100										
1954	100	..	..	100	100	100	100	100	100	100
1955	106	..	..	103	103	106	105	98	104	110
1956	117	..	..	105	107	110	108	100	109	116
1957	123	..	..	105	107	112	110	97	112	122
1958	129	..	..	97	101	103	98	97	107	124
1959	128	..	..	98	102	103	98	99	108	124
1960	128	..	..	98	102	104	100	96	108	126
1961	133	..	..	96	101	104	99	93	108	128
1962	136	..	..	96	101	103	97	95	105	130
1963	138	..	..	98	103	104	99	100	107	131
1963 = 100										
1963	100	..	..	100	100	100	100	100	100	100
1964	102	..	..	104	104	104	104	104	104	103
1965	109	..	..	105	105	107	106	103	108	107
1966	113	..	..	107	108	110	110	104	109	112
1967	115	..	..	106	108	108	107	106	108	112
1968	120	..	..	117	117	120	121	111	115	117
1969	120	..	..	122	121	125	126	114	117	125
1970	126	..	..	126	126	128	129	122	124	138

Table (ii) (continued) Wholesale price index numbers (Input series), 1949 to 1970 (a)

Appendix II
Table (ii)

Year	Materials and fuel: Electrical machinery	Materials and fuel: Electrical engineering industry	Materials and fuel: Textiles	Materials and fuel: Timber	Materials and fuel: Paper	Materials: House building	Materials: Construction	Costs of new construction	Materials and fuel: Steel	Materials and fuel: Clothing and footwear
1949 = 100 (30 June)										
1949	..	..	..	..	..	100	..	..	..	..
1950	..	..	..	..	..	105	..	..	..	..
1951	..	..	..	..	..	123	..	..	..	..
1952	..	..	..	..	..	131	..	..	..	..
1953	..	..	..	..	..	129	..	..	..	..
1954	..	..	..	..	..	131	..	..	..	..
1954 = 100										
1954	100	..	100	100	100	100	100	100	..	..
1955	110	..	96	105	106	105	105	106	..	..
1956	114	..	98	105	111	109	110	110	..	..
1957	115	..	103	108	111	112	114	114	..	..
1958	114	..	89	104	107	112	114	115	..	..
1959	116	..	88	101	104	111	113	113	..	..
1960	117	..	92	108	105	114	115	114	..	..
1961	118	..	93	111	108	118	118	118	..	..
1962	120	..	91	109	106	120	120	122	..	..
1963	121	..	97	110	106	122	122	126	..	..
1963 = 100										
1963	100	100	100	100	100	100	100	..	100	100
1964	104	106	102	105	103	103	103	..	102	102
1965	108	113	98	109	109	107	106	..	106	104
1966	118	124	100	111	108	110	109	..	108	107
1967	116	119	96	111	107	110	109	..	110	104
1968	125	132	103	120	115	117	115	..	114	110
1969	135	146	104	127	121	122	119	..	117	116
1970	148	154	104	135	133	131	129	..	127	120

(a) Changes in scope and coverage of these indices were noted in the Board of Trade Journal dated 19 May 1951, 21 March 1958 and 21 February 1969, and in Trade and Industry dated 9 March 1972. Other articles on wholesale prices have been published in the Journal of the Royal Statistical Society, viz Volume 119, Part iii UK indices of Wholesale Prices 1949 to 1955 by R H S Phillips, BA PhD, and Volume 145, Part iv Indices of Wholesale Prices by J Stafford.

Source: Department of Industry

Table (iii) (Part 1) Retail price index numbers, 1900 to 1929

Appendix II
Table (iii) (Part 1)

Year	1963 = 100			July 1914 = 100	
	All items	Food	Clothing and household durable goods	All items	Food
1900	19	20	17		
1901	19	20	17		
1902	19	20	17		
1903	19	21	17		
1904	19	21	17		
1905	19	21	18		
1906	19	21	18		
1907	20	21	18		
1908	20	22	18		
1909	20	22	18		
1910	20	22	19		
1911	21	22	19		
1912	21	23	20		
1913	21	23	20		
1914	21	24	19	100	100
1915	26	31	20	123	131
1916	30	37	29	146	160
1917	37	46	38	176	198
1918	42	50	48	203	215
1919	46	51	64	215	219
1920	52	60	76	249	256
1921	47	54	56	226	230
1922	38	41	45	183	176
1923	37	40	41	174	169
1924	37	40	41	175	170
1925	37	40	42	176	171
1926	36	39	40	172	164
1927	35	38	39	168	160
1928	35	37	39	166	157
1929	35	36	38	164	154

Sources: 1963 based figures: The British Economy Key Statistics, 1900 to 1970
1914 based figures: Statistical Abstracts No 82, 1913 to 1937.

Table (iii) (Part 2) Retail price index numbers, 1930 to 1970

Appendix II
Table (iii) (Part 2)

Year	1963 = 100			July 1914 = 100		1 September 1939 = 100				
	All items	Food	Clothing and household durable goods	All items	Food	All items	Food	Clothing	Fuel and light	Rent and rates
1930	33	34	37	158	145					
1931	31	31	34	148	131					
1932	30	30	32	144	126					
1933	30	28	32	140	120					
1934	30	29	32	141	122					
1935	30	30	32	143	125					
1936	31	31	33	147	130					
1937	32	32	36	154	139					
1938	33	33	36	156		101	102	100	99	99
1939	34	33	..	158		102	102	103	101	100
1940	38	39	..	184		119	119	137	115	101
1941	42	41	..	199		128	122	177	125	101
1942	45	42	..	200		129	117	192	129	101
1943	47	42	..	199		128	120	169	134	101
1944	47	43	..	201		130	122	166	141	101
1945	49	44	..	203		131	123	167	149	102
1946	51	44	..	204		131	122	166	152	103
1947	54	47	69	203		131	117	166	155	108
1948	57	50	71							
1949	59	53	74							
1950	61	56	76							
1951	67	63	89							
1952	73	73	91							
1953	75	77	89							
1954	76	79	89							
1955	80	84	90							
1956	84	88	94							
1957	87	91	95							
1958	90	93	95							
1959	90	94	94							
1960	91	93	95							
1961	94	94	97							
1962	98	98	99							
1963	100	100	100							
1964	103	103	102							
1965	108	106	104							
1966	112	110	107							
1967	115	113	108							
1968	121	118	111							
1969	127	125	115							
1970	135	133	122							

(xixxx)

Sources: 1963 based figures: The British Economy Key Statistics, 1900 to 1970
 1914 based figures: Statistical Abstracts No 82, 1913 to 1937
 1939 based figures: Annual Abstract of Statistics

Table (iv) (Part 1) Weekly wage rate index numbers, 1920 to 1947

Appendix II
Table (iv) (Part 1)

Year	Coal mining	Iron and steel	Engineering (a)	Shipbuilding and repairing (b)	Cotton	Woollen and worsted	Printing and bookbinding	Furniture	Building	Gas supply
1920	187	202	152	175	162	148	117	134	146	140
1921	164	182	147	162	138	139	118	126	137	136
1922	95	104	121	118	109	105	108	106	106	111
1923	94	95	100	96	100	100	101	100	96	100
1924	100	100	100	100	100	100	100	100	100	100
1925	98	99	101	106	100	100	101	101	103	103
1926	98	95	102	106	100	100	101	100	103	104
1927	94	95	102	106	100	100	101	100	103	104
1928	88	92	104	106	100	100	101	101	102	104
1929	87	92	104	108	98	100	101	100	101	104
1930	87	92	104	110	94	93	101	100	100	104
1931	84	91	103	110	94	90	101	99	97	104
1932	84	89	101	108	92	85	101	94	94	102
1933	84	90	101	108	86	83	101	92	92	101
1934	84	91	101	108	86	82	101	92	92	101
1935	84	92	103	109	86	82	100	92	92	102
1936	89	95	105	111	85	84	100	96	96	103
1937	96	104	110	117	91	89	100	100	99	107
1938	98	116	113	124	92	89	100	101	102	109
1939	99	117	115	126	93	90	100	102	103	109
1940	113	130	125	138	110	108	102	110	110	116
1941	130	142	133	146	120	115	107	118	119	124
1942	150	143	141	154	124	120	113	120	123	132
1943	160	152	150	166	134	124	116	124	127	139
1944	166	158	157	172	144	128	124	131	130	148
1945	166	164	166	179	154	134	124	133	138	152
1946	166	170	176	190	170	141	138	140	162	168
1947	166	175	178	193	170	148	148	145	165	172

(a) Includes railway engineering workshops.

(b) This covers time workers only. The available information for piece workers is insufficient to provide a basis for index numbers.

Source: 1920 to 1938: E C Ramsbottom: The course of wage rates in the United Kingdom, 1921 to 1934, JRSS, 1935; wage rates in the United Kingdom, 1934 to 1937, JRSS, 1938; wage rates in the United Kingdom, 1938, JRSS, 1939. Other figures from the Department of Employment.

1939 to 1947: Department of Employment.

(iii)

Table (iv) (Part 2) Weekly wage rate index numbers, 1948 to 1970

Year	Mining and quarrying	Treatment of non-metalliferous mining products other than coal	Food, drink and tobacco	Chemicals and allied industries	All metals combined	Textiles	Leather, leather goods and fur	Clothing
1948 to 1955: June 1947 = 100								
1948	106	102	106	106	102	107	102	108
1949	106	105	110	109	106	112	105	112
1950	106	106	112	112	107	116	107	112
1951	114	116	120	123	117	128	118	120
1952	124	126	132	134	127	135	128	126
1953	127	132	138	140	133	140	136	134
1954	132	138	144	146	139	145	140	143
1955	144	148	154	156	149	152	149	150
1956 to 1970: 31 Jan 1956 = 100								
1956	107	104	105	100	106	102	103	104
1957	112	111	111	106	112	117	109	111
1958	115	112	116	109	114	110	114	116
1959	118	..	119	112	117	112	118	..
1960	119	..	123	115	119	116	121	..
1961	126	..	128	118	125	121	122	..
1962	129	..	132	124	127	124	126	..
1963	135	..	138	131	130	128	131	..
1964	139	..	144	139	136	133	135	..
1965	145	..	150	144	140	139	142	..
1966	152	..	156	149	147	145	148	..
1967	156	..	161	152	155	148	150	..
1968	163	..	169	158	170	152	157	..
1969	172	..	177	166	181	156	164	..
1970	191	..	197	198	196	181	180	..

Source: 1948 to 1970: Department of Employment

Appendix II
Table (iv) (Part 2)

Clothing and footwear	Bricks, pottery, glass, cement, etc.	Timber, furniture, etc.	Manufactures of wood and cork	Paper and printing	Paper, printing and publishing	Other manufactures	Construction	Gas, electricity and water
..	..	..	105	108	..	102	110	105
..	..	..	109	111	..	106	112	108
..	..	..	112	115	..	107	116	112
..	..	..	123	128	..	118	126	120
..	..	..	137	144	..	128	137	130
..	..	..	142	150	..	131	144	136
..	..	..	147	152	..	138	152	143
..	..	..	155	160	..	146	162	156
..	..	..	105	106	..	101	106	101
..	..	..	111	111	..	105	112	105
..	..	..	116	116	..	109	117	109
118	115	118	..	..	118	112	120	112
123	120	122	..	..	122	115	122	115
124	126	126	..	..	126	120	125	120
132	131	134	..	..	133	128	133	125
135	138	138	..	..	137	135	138	132
144	146	143	..	..	143	142	144	141
151	155	149	..	..	152	146	148	156
157	161	156	..	..	160	151	154	164
161	165	160	..	..	162	155	161	169
167	172	171	..	..	170	177	172	175
171	182	178	..	..	177	183	176	188
181	210	194	..	..	198	195	195	211

Table (v) Manual workers: Indices of basic weekly and hourly rates of wages, normal weekly hours, 1956 to 1970. (a)
(31 January 1956 = 100)
Manufacturing Industries

Appendix II
Table (v)

Average of monthly index numbers	Basic weekly rates of wages				Normal weekly hours				Basic hourly rates of wages			
	Men	Women	Juveniles (b)	All workers	Men	Women	Juveniles (b)	All workers	Men	Women	Juveniles (b)	All workers
1956	105	104	105	105	100 (44) (c)	100 (44) (c)	100 (44) (c)	100 (44) (c)	105	104	105	105
1957	110	110	111	110	100	100	100	100	110	110	111	110
1958	114	114	114	114	100	100	100	100	114	114	115	114
1959	116	116	117	116	100	100	100	100	117	117	118	117
1960	119	120	123	119	97	98	98	97	123	123	126	123
1961	124	124	130	124	96	95	95	95	130	131	136	130
1962	127	129	134	128	95	95	95	95	134	136	141	135
1963	131	134	138	132	95	95	95	95	138	141	146	139
1964	137	141	145	138	95	95	95	95	144	149	153	146
1965	142	148	152	143	93	93	93	93	153	159	164	154
1966	148	156	162	150	91	91	91	91	162	171	177	164
1967	154	162	168	156	91	91	91	91	169	179	185	172
1968	166	173	179	168	91	90	90	91	183	192	198	185
1969	175	180	192	177	91	90	90	90	193	200	212	196
1970	192	198	227	195	91	90	90	90	212	220	252	215

Source: Department of Employment

- (1/1X)
- (a) Details of the representative industries and services for which changes are taken into account and the method of calculation are given in the issues of the Department of Employment Gazette for February 1957, September 1957, April 1958, February 1959 and January 1960.
- (b) In general, males under 21 years of age and females under 18 years of age.
- (c) Actual average of normal weekly hours at the index base date (31 January 1956).

Table (vi) Hours of work: Indices of total weekly hours worked by all operatives, 1956 to 1970 Appendix II
(1962 = 100) Table (vi)

Year	All manufacturing industries	Engineering, shipbuilding, electrical goods and metal goods	Vehicles	Textiles, leather and clothing	Food, drink and tobacco
1956	105	99	107	119	100
1957	104	99	105	118	100
1958	100	96	102	108	100
1959	101	96	105	109	99
1960	104	99	108	110	100
1961	103	102	103	105	100
1962	100	100	100	100	100
1963	98	98	99	98	98
1964	101	102	99	99	97
1965	100	102	96	96	97
1966	97	101	92	92	95
1967	92	97	86	84	93
1968	92	95	87	83	90
1969	92	96	88	84	91
1970	90	94	87	78	89

Source: Department of Employment

Description of the Census	Standard Industrial Classification Reference
Mining and quarrying	II
Coal mining	101
Stone and slate quarrying and mining	102
Chalk, clay, sand and gravel extraction	103
Metalliferous mining and quarrying	109/1 and 2
Petroleum and natural gas, salt and miscellaneous non-metalliferous mining and quarrying	104, 109/3 and 4
Food, drink and tobacco	III
Grain milling	211
Bread and flour confectionery	212
Biscuits	213
Bacon curing, meat and fish products	214
Milk and milk products	215
Sugar	216
Cocoa, chocolate and sugar confectionery	217
Fruit and vegetable products	218
Animal and poultry foods	219
Vegetable and animal oils and fats	221
Margarine	229/1
Starch and miscellaneous foods	229/2
Brewing and malting	231
Soft drinks	232
Spirit distilling and compounding	239/1
British wines, cider and perry	239/2
Tobacco	240
Coal and petroleum products	IV
Coke ovens and manufactured fuel	261
Mineral oil refining	262
Lubricating oils and greases	263
Chemicals and allied industries	V
General chemicals (inorganic)	271/1
General chemicals (organic)	271/2
General chemicals (other than inorganic and organic)	271/3
Pharmaceutical chemicals and preparations	272
Toilet preparations	273
Paint	274
Soap and detergents	275
Synthetic resins and plastics materials and synthetic rubber	276
Dyestuffs and pigments	277
Fertilizers	278
Polishes	279/1
Formulated adhesives, gelatine, etc	279/2
Explosives, fireworks and matches	279/3
Formulated pesticides and disinfectants	279/4
Printing ink	279/5
Surgical bandages, etc	279/6
Photographic chemical materials	279/7
Metal manufacture	VI
Iron and steel (general)	311
Steel tubes	312
Iron castings, etc	313
Aluminium and aluminium alloys	321
Copper, brass and other copper alloys	322
Miscellaneous base metals	323

Description of the Census

Description of the Census	Standard Industrial Classification Reference
Mechanical engineering	VII
Agricultural machinery (except tractors)	331
Metal-working machine tools	332
Pumps, valves and compressors	333
Industrial engines	334
Textile machinery and accessories	335
Construction and earth-moving equipment	336
Mechanical handling equipment	337
Office machinery	338
Mining machinery	339/1
Printing, bookbinding and paper goods making machinery	339/2
Refrigerating machinery (except domestic type refrigerators)	339/3
Space heating, ventilating and air-conditioning equipment	339/4
Food and drink processing machinery	339/7
Miscellaneous (non-electrical) machinery	339/5, 6, 8 and 9
Industrial (including process) plant and steelwork	341
Ordnance and small arms	342
General mechanical engineering	349
Instrument engineering	VIII
Photographic and document copying equipment	351
Watches and clocks	352
Surgical instruments and appliances	353
Scientific and industrial instruments and systems	354
Electrical engineering	IX
Electrical machinery	361
Insulated wires and cables	362
Telegraph and telephone apparatus and equipment	363
Radio and electronic components	364
Broadcast receiving and sound reproducing equipment	365
Electronic computers	366
Radio, radar and electronic capital goods	367
Electric appliances primarily for domestic use	368
Miscellaneous electrical goods	369
Shipbuilding and marine engineering	X
Shipbuilding and marine engineering	370
Vehicles	XI
Wheeled tractor manufacturing	380
Motor vehicle manufacturing	381
Motor cycle, tricycle and pedal cycle manufacturing	382
Aerospace equipment manufacturing and repairing	383
Locomotives and railway track equipment	384
Railway carriages, wagons and trams	385
Metal goods not elsewhere specified	XII
Engineers' small tools and gauges	390
Hand tools and implements	391
Cutlery, spoons, forks and plated tableware, etc.	392
Bolts, nuts, screws, rivets, etc	393
Wire and wire manufactures	394
Cans and metal boxes	395
Jewellery and precious metals	396
Metal furniture	399/1
Drop forgings, etc	399/5
Metal hollow-ware	399/6 and 7
Miscellaneous metal goods	399/2, 3 and 4 and 399/8, 9 and 10, 11 and 12

Description of the Census	Standard Industrial Classification Reference
Textiles	XIII
Production of man-made fibres	411
Spinning and doubling on the cotton and flax systems	412
Weaving of cotton, linen and man-made fibres	413
Woollen and worsted	414
Jute	415
Rope, twine and net	416
Hosiery and other knitted goods	417
Lace	418
Carpets	419
Narrow fabrics	421
Made-up household textiles and handkerchiefs	422/1
Canvas goods and sacks, etc.	422/2
Textile finishing	423
Asbestos	429/1
Miscellaneous textiles	429/2
Leather, leather goods and fur	XIV
Leather (tanning and dressing) and fellmongery	431
Leather goods	432
Fur	433
Clothing and footwear	XV
Weatherproof outerwear	441
Men's and boys' tailored outerwear	442
Women's and girls' tailored outerwear	443
Overalls and men's shirts, underwear, etc	444
Dresses, lingerie, infants' wear, etc	445
Hats, caps and millinery	446
Corsets and miscellaneous dress industries	449/1, 3 and 4
Gloves	449/2
Footwear	450
Bricks, pottery, glass, cement, etc	XVI
Bricks, fireclay and refractory goods	461
Pottery	462
Glass	463
Cement	464
Abrasives	469/1
Miscellaneous building materials and mineral projects	469/2
Timber, furniture, etc.	XVII
Timber	471
Furniture and upholstery	472
Bedding and soft furnishings	473
Shop and office fittings	474
Wooden containers and baskets	475
Miscellaneous wood and cork manufactures	479
Paper, printing and publishing	XVIII
Paper and board	481
Cardboard boxes, cartons and fibre-board packing cases	482/1
Packaging products of paper and associated materials (other than board)	482/2
Manufactured stationery	483
Miscellaneous manufactures of paper and board	484
Printing, publishing of newspapers and periodicals	485, 486
General printing, publishing, etc	489

Description of the Census	Standard Industrial Classification Reference
Other manufacturing industries	XIX
Rubber	491
Linoleum, plastics floor-covering, leathercloth, etc	492
Brushes and brooms	493
Toys, games, children's carriages and sports equipment	494
Miscellaneous stationers' goods	495
Plastics products	496
Miscellaneous manufacturing industries	499
Construction	XX
Construction	500
Gas, electricity and water	XXI
Gas	601
Electricity	602
Water supply	603