

This heading comprising only stamping and embossing metals and embraces:

- . construction of metal stamping and embossing dies
- . cupping and presses therefor
- . cutting-dies encircling stamping and embossing dies
- . cutting out and stamping a blank by a single punch or by a stamping die axially movable within a blanking punch
- . expanding metal by fluid or yielding medium
- . forming curved edges of metal by dies
- . presses and press actuating-mechanism specially adapted and arranged for use in metal stamping and embossing
- . producing curved flanges of metal by stamping in dies
- . sizing and restoring shape by stamping

but does not include the following subject matter, which is to be found in the headings indicated:

- . bending—B3E, Bending and breaking metals
- . hammers and hammer mechanism—B3H, Power hammers &c; B4C, Impelling tools &c
- . presses and press actuating-mechanism applicable for other metal-working operations—B3H, Power hammers &c
- . embossing by rolling metals—B3M, Rolling metals
- . welding by—B3R, Welding, soldering and brazing
- . stamping out flat sheet metal blanks by punching—B3W, Shearing, punching &c metals
- . constructions of presses and press actuating-mechanism of interest apart from working metals—B5F, Presses
- . stamping and embossing foil—B6F, Selective printing &c; keyboards; B6J, Engraving, etching and embossing
- . guards and protectors, and safety devices controlling or controlled by machinery, for preventing injury to persons by presses and other machines—F2J, Machinery guard &c
- . counting-apparatus of interest apart from metal stamping and embossing machines—G4D, Counting-apparatus
- . coin and check freeing mechanism—G4V, Coin and token freed apparatus

The exclusion references listed in this heading are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

Relationship with the Universal Indexing Schedules (heading U1S)

In addition to recording the nature of broader processes and apparatus with or in which inventions classified here may be used, U1S is used, subject to its indexing rules, to index useful products obtained and specified metals operated on

Operative date for Key entries

The operative date of the terms in this heading is earlier than that of Edition A

To facilitate searches for combinations of features, throughout this heading each feature is indexed for which a coded term is available, irrespective of novelty

- Q5 apparatus for performing stamping and embossing and also one or more other operations (*other than* mere attachments designed for separation from machine)
- blanks, supplying. *See* feeds
- Q2A5 die-holders
- dies—
- Q2A9 . beading, curling, and wiring
- Q2A1 . coining
- Q2A2 . corrugating
- Q2A3 . cupping
- Q2A4 . cutting-out and shaping
- Q2A6 . embossing (*other than* coining)
- Q2A7 . expanding and contracting during stamping
- Q2A12 . flanging
- Q2A8 . fluid or yielding medium
- Q2A13 . jointing
- . miscellaneous—
- Q2AX4 . . backings for equalizing pressure (*other than* embossing and fluid or yielding medium)
- Q2AX3 . . combined joggling and profile section forming
- Q2AX2 . . dies with two or more parts made of different materials
- Q2AX1 . . hollow for the passage of heating liquid
- Q2AX9 . . producing enlargements (*other than* flanges) on tube ends
- Q2AX7 . . sets of simultaneously-acting dies, the intermediate dies being double-faced
- Q2AX8 . . sizing and restoring shape of articles
- Q2AX11 . . two-part die with interengaging tongued parting surface
- Q2AX6 . . vents for scale and air
- . necking cylindrical articles. *See* cupping
- Q2A10 . screwing
- Q2A11 . sectional
- Q2A14 . unclassified forms and shapes, designed for stamping particular articles
- dies, adjusting. *See* die-holders
- Q2B ejectors and strippers
- Q2L electric heating, applications of
- feeds—
- . quincunx and like staggered feeds. *See* B3W, Shearing, punching &c metals
- . sheet-metals feeds of interest apart from stamping and embossing apparatus. *See* B3W, Shearing, punching &c metals
- Q2C1 . blanks and finished articles, transferring
- . . by rotary carrier. *See* rotary die &c carrier
- Q2C2 . gauging-stops and work-setting devices
- Q2C3G . gravity and spring
- Q2C3H . intermittently-advanced carrier (*otherwise than* by gravity and spring)
- . miscellaneous—
- . . by winding drums
- Q2CX7 . . counting operations performed
- Q2CX2 . . gripper carried by rotating disc
- Q2CX10 . . helical or spiral
- Q2CX6 . . set for obtaining lengths measured in standard units
- Q2CX3 . . toothed roller engaging work
- Q2CX8 . . work-rotating mechanism *other than* rotary work-carriers
- Q2CX4 . reciprocating-gripper
- Q2C3A . roller (two or more coating rollers)
- Q2C3B .
- Q2J heating work during working (*otherwise than* electrically)
- . by heated dies. *See* dies &c
- Q4 jointing
- . by caulking. *See* B3V, Miscellaneous working of metals &c
- . by coating rolls of irregular cross-section. *See* B3E, Bending and breaking metals
- . by sealing. *See* B6P, Writing-appliances &c
- . by spinning. *See* B3J, Seaming &c metal sheets
- . by tube expanders. *See* B3J, Seaming &c metal sheets
- . connecting component wires of fabrics by folding metal clips thereon. *See* B3E, Bending and breaking metals
- . dies. *See* dies
- . end-capping rods and tubes. *See* B3V, Miscellaneous working of metals &c
- Q2K lubricating and cooling tools and work
- Q2R lubricating machines, passages, channels, and reservoirs for
- Q2D machine framings and tables
- . deformation, indicating and measuring working stress from. *See* G1W, Weighing; dynamometers

- machines, kinds or types of—
 . closures and closure-retaining devices, applying to bottles and like vessels. *See* B8T, Bottling, stoppers &
 . jointing. *See* jointing
- Q1J . beading, curling, and wiring
 Q1K . combined joggling and profile section forming
 Q1A . corrugating
 Q1B . cupping
 Q1C . cutting-out and shaping
 Q1N . double drive
 . embossing and marking—
 . . keyboard, dial, and like die-selecting arrangements. *See* B6F, Selective printing &; keyboards
 Q1D1 . . coining
 Q1DX . . other than coining
 Q1T . flanging
 Q1F . fluid or yielding medium
 Q1L . heading cartridge and like cases
 . high-energy rate—
 . . electrohydraulic forming—
 . . . electrode constructions and other electrical features of electrohydraulic apparatus. *See* H1X,
 Miscellaneous discharge apparatus
 . . . initiating wire between electrodes
 Q1R1A . . . spark discharge
 Q1R1B . . . electromagnetic forming
 Q1R2 . . explosive forming
 Q1R3 . . machine fed, work stationary
 Q1M . . portable and hand-operated
 Q1G . producing enlargements (*other than* flanges) on tube ends
 Q1P . screwing
 Q1H . sizing and restoring shape of articles
 Q1Q . with die expanding or contracting during stamping
 Q1E . types, unclassified
 Q1X . mandrels or formers
 Q2E . destructible cores and flexible mandrels for tubes. *See* B3E, Bending and breaking metals
 Q2M . microscope attachments for examining dies or work
 . press actuating and controlling mechanism—
 . . solenoid. *See* B3H, Power hammers &
 Q2F2 . fluid-pressure
 . . hydraulic apparatus of interest apart from metal stamping and embossing machines. *See* F1P, Fluid
 pressure apparatus
 . mechanical—
 . . drop and spring hammers. *See* B3H, Power hammers &
 . . cam and crank (*other than* drop and spring-operated)
 Q2F3A . . screw
 Q2F3C . . unclassified
 Q2F3X . . miscellaneous—
 . . . brakes, applications of
 Q2FX1 . . . springs for equalizing pressure
 Q2FX2 . . stop and relief mechanism
 Q2F5 . stroke adjustments
 Q2F6 . presses and machines. *See* machines, kinds &
 . pressure, applying directly to work through fluid, powdered or like yielding medium. *See* dies; machines, kinds
 &
 Q3 . processes, special (*comprising only* processes independent of construction of apparatus)
 . jointing. *See* jointing
- Q2H . rotary die or work carrier
 Q2Q . sub-press mechanism (*including* like punch and die assemblages in which alignment is secured independently
 of the main press guides)
 Q2N . trimming-mechanism
 . cutting-dies and punches not encircling stamping and embossing dies. *See* B3W, Shearing, punching & metals
 Q2G . work-holders (*other than* ejectors and strippers)