

CPC**COOPERATIVE PATENT CLASSIFICATION****B21L**

MAKING CHAINS (making chains or chain links by casting [B22D 25/02](#); chains in general [F16G](#))

Guidance heading:

B21L 1/00 Making chains or chain links by bending work-pieces of rod, wire, or strip to form links of oval or other simple shape ([B21L 3/00](#), [B21L 7/00](#) take precedence)

[B21L 1/02](#) . by bending the ends of the workpieces to abut

[B21L 1/04](#) . by bending and interconnecting the ends of the workpieces with or without separate jointing members

B21L 3/00 Making chains or chain links by bending the chain links or link parts and subsequently welding or soldering the abutting ends ([B21L 7/00](#) takes precedence)

[B21L 3/02](#) . Machines or devices for welding chain links

[B21L 3/04](#) . . by making use of forge or pressure welding

B21L 5/00 Making chains or chain links by working the starting material in such a way that integral, i.e. jointless, chains links are formed

[B21L 5/02](#) . in such a way that interconnected links are formed

B21L 7/00 Making chains or chain links by cutting single loops or loop-parts from coils, assembling the cut parts and subsequently subjecting same to twisting with or without welding

B21L 9/00 Making chains or chain links, the links being composed of two or more different parts, e.g. drive chains ([B21L 1/04](#), [B21L 7/00](#), [B21L 11/14](#), [B21L 13/00](#) take precedence)

[B21L 9/02](#) . of roller-chain or other plate-link type

[B21L 9/04](#) . . Punching or bending the different parts of the chain links

[B21L 9/06](#) . . Sorting, feeding, assembling, riveting, or finishing parts of chains

[B21L 9/065](#) . . . {Assembling or disassembling }

[B21L 9/08](#) . . Combining the chain links with auxiliary parts, e.g. welding-on wear-resistant parts

B21L 11/00 Making chains or chain links of special shape

[B21L 11/005](#) . {Making ornamental chains ([B21L 11/02](#) to [B21L 11/14](#) take precedence; ornamental chains [A44C](#)) }

[B21L 11/02](#) . each link being formed of a single member of which both ends are bent or shaped to

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| | engage the middle portions of the next link |
| B21L 11/04 | . . the ends being pierced or punched to form eyes |
| B21L 11/06 | . . . the workpiece being of thin strip metal |
| B21L 11/08 | . . the ends being interengaged with other parts of the same link |
| B21L 11/10 | . the chain links having opposed correspondingly shaped cylindrical and hook-like parts of which one parts forms a hinge-like support for the adjacent link (B21L 11/02 takes precedence) |
| B21L 11/12 | . forming bead chains |
| B21L 11/14 | . making chain links with inserted or integrally-formed studs |
| B21L 13/00 | Making terminal or intermediate chain links of special shape; making couplings for chains, e.g. swivels, shackles |
| B21L 15/00 | Finishing or dressing chains or chain links, e.g. removing burr material, calibrating (B21L 9/06 takes precedence) |
| B21L 15/005 | . { Pre-stretching chains } |
| B21L 15/02 | . Twisting already closed links |
| B21L 19/00 | Appurtenances for chain-making not restricted to any particular process |
| B21L 21/00 | Tools or implements for repairing chains using metal-working operations. e.g. for detaching deformed chain links |
| B21L 99/00 | Subject matter not provided for in other groups of this subclass |