SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B21 MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY REMOVING MATERIAL; PUNCHING METAL

B21H MAKING PARTICULAR METAL OBJECTS BY ROLLING, e.g. SCREWS, WHEELS, RINGS, BARRELS, BALLS (essentially from sheet metal B21D)

Note(s)

This subclass covers only rolling operations which are specially adapted for use in the manufacture of particular objects and which are not essentially combined with any different metal-working operation unless the latter is a subsidiary operation performed in the same machine.

1/00 Making articles shaped as bodies of revolution (rolling tubes B21B 17/00-B21B 25/00)
1/02 • discs; disc wheels
1/04 • • with rim, e.g. railway wheels
1/06 • rings of restricted axial length (extending closed shapes of metal bands by simultaneous rolling at two or more zones B21B 5/00)
1/08 • • railway wheel rims
1/10 • • rims for pneumatic tyres
1/12 • • rings for ball or roller bearings
1/14 • balls, rollers, cone rollers, or like bodies
1/16 • • for bearings
1/18 • cylinders, e.g. rolled transversely
1/20 • • rolled longitudinally
1/22 • characterised by use of rolls having circumferentially varying profile **[2]**

3/00 Making helical bodies or bodies having parts of helical shape (helical gears B21H 5/00; bending strip or the like helically B21D 11/06; forming tubes or tube walls into helical shape B21D 15/04)
3/02 • external screw-threads
3/04 • • Making by means of profiled rolls
3/06 • • Making by means of profiled members other than rolls, e.g. jaws, moved longitudinally or curvilinearly with respect to each other
3/08 • internal screw-threads
3/10 • twist-drills; screw-taps
3/12 • articles with helicoidal surface

5/00 Making gear wheels
5/02 • with cylindrical outline
5/04 • bevel gears

7/00 Making articles not provided for in groups B21H 1/00-B21H 5/00, e.g. agricultural tools, dinner forks, knives, spoons (nails, pins B21G 3/30)
7/02 • spades; shovels
7/04 • hoes
7/06 • ploughshares; axes
7/08 • forks; rakes
7/10 • knives; sickles; scythes
7/12 • horse-shoes; articles of like shape, e.g. wear-resisting attachments for shoes
7/14 • knurled articles
7/16 • turbine blades; compressor blades; propeller blades
7/18 • grooved pins; Rolling grooves, e.g. oil grooves, in articles

8/00 Rolling metal of indefinite length in repetitive shapes specially designed for the manufacture of particular objects
8/02 • Rolls of special shape

9/00 Feeding arrangements for rolling machines or apparatus manufacturing articles dealt with in this subclass
9/02 • for screw-rolling machines