

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B41 PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS

**B41D APPARATUS FOR THE MECHANICAL REPRODUCTION OF PRINTING SURFACES FOR STEREOTYPE PRINTING; SHAPING ELASTIC OR DEFORMABLE MATERIAL TO FORM PRINTING SURFACES** (marking or engraving metal by the action of a high concentration of electric current B23H 9/06; type, machines, or accessories for making, setting, or distributing type B41B; processes for the manufacture or reproduction of printing surfaces B41C; machines or apparatus for engraving in general, or for embossing B44B 3/00, B44B 5/00; chemical etching of metal C23F 1/00; electrolytic etching C25F 3/00; photomechanical reproduction G03F)

**1/00 Preparing or treating stereotype matrices**

- 1/02 • using brushes
- 1/04 • using cylinders or rollers
- 1/06 • using presses, e.g. toggle or like lever-and-link type presses
- 1/08 • • using hydraulic presses
- 1/10 • Performing secondary operations on matrices
- 1/12 • • Humidifying or moistening
- 1/14 • • Drying

**Producing printing surfaces**

**3/00 Casting stereotype plates; Machines, moulds, or devices therefor**

- 3/02 • Horizontal moulds for casting flat plates
- 3/04 • Moulds, e.g. horizontal, for casting curved, e.g. semi-cylindrical, plates
- 3/06 • • Vertical moulds
- 3/08 • Moulds, e.g. horizontal, for casting tubular, i.e. cylindrical, plates
- 3/10 • • Vertical moulds
- 3/12 • Multiple-mould stereotype casting machines
- 3/14 • Details
- 3/16 • • Matrix clamps
- 3/18 • • Devices for closing or opening moulds

- 3/20 • • Melting pots
- 3/22 • • • with pumps for conveying the molten metal into the casting chambers or boxes
- 3/24 • • • with control valves
- 3/26 • • • with devices for stirring the molten metal
- 3/28 • • Devices for cooling the moulds

**5/00 Working, treating, or handling stereotype plates**

- 5/02 • by bending
- 5/04 • of flat plates
- 5/06 • of curved plates

**7/00 Shaping elastic or deformable material, e.g. rubber, plastics material, to form printing surfaces** (making rubber printing blocks B41C 3/04)

- 7/02 • by impression
- 7/04 • Forming printing surfaces by covering printing forms with a thin elastic skin, e.g. rubber foil, and retaining the latter thereon; Obtaining reduced or enlarged printing surfaces by using thin elastic transfer foils (pantographic instruments for copying, reducing, or enlarging B43L 13/10)

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**99/00 Subject matter not provided for in other groups of this subclass [2006.01]**