

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B43 WRITING OR DRAWING IMPLEMENTS; BUREAU ACCESSORIES

B43K IMPLEMENTS FOR WRITING OR DRAWING (containers, casings or accessories for cosmetic substances, e.g. shaving soap, lipstick, make-up, A45D 34/00, A45D 40/00)

Note(s)

In this subclass, the following expression is used with the meaning indicated:

- "writing implements" covers pens, pencils, crayons, chalks or like markers for writing or drawing.

Subclass index

IMPLEMENTS WITH CORES

Without mechanisms.....	19/00
With mechanisms.....	21/00
Accessories.....	23/00, 25/00

IMPLEMENTS USING INK

Without reservoir.....	3/00
With reservoir.....	5/00, 7/00, 8/00
Nibs; filling devices; caps.....	1/00, 17/00, 11/00, 23/00
Manufacture, maintenance.....	13/00, 15/00

SELECTING, PROJECTING, RETRACTING OR LOCKING WRITING UNITS.....24/00

MULTIPLE-POINT WRITING IMPLEMENTS.....27/00

COMBINATIONS

Of writing implements with other articles.....	29/00, 31/00
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1/00 Nibs (continuously-adjustable nibs B43K 17/00);
Writing-points (for indicating or recording apparatus
G01D 15/16) [2]

- 1/01 • with ink reservoirs, e.g. funnel-shaped [6]
- 1/02 • Split nibs
- 1/04 • • with broadened tips
- 1/06 • Tubular writing-points
- 1/08 • with ball points; Balls or ball beds
- 1/10 • Wire nibs
- 1/12 • Writing-points comprising fibres; Felt pads

3/00 Nib holders (holders for continuously-adjustable nibs
B43K 17/00)

- 3/02 • with ink guards
- 3/04 • with retractable nibs (mechanisms for retracting or
locking nibs B43K 24/00)

**5/00 Pens with ink reservoirs in holders, e.g. fountain-
pens** (nibs or writing-points with ink reservoirs
B43K 1/01; ball-point pens B43K 7/00; pens with
writing-points other than nibs or balls B43K 8/00;
multiple-point writing implements B43K 27/00)

- 5/02 • Ink reservoirs
- 5/03 • • specially adapted for concentrated ink, e.g. solid
ink [6]
- 5/04 • • flexible
- 5/06 • • with movable pistons
- 5/08 • • • with ink-supplying valves
- 5/10 • • with reserve ink chambers
- 5/12 • • with ink-level inspection means

- 5/14 • • Exchangeable ink cartridges

- 5/16 • with retractable nibs (mechanisms for retracting or
locking nibs B43K 24/00)

- 5/17 • • with closing means [6]

- 5/18 • Arrangements for feeding the ink to the nibs

7/00 Ball-point pens (multiple-point writing implements
B43K 27/00)

- 7/01 • for low viscosity liquid ink [6]

- 7/02 • Ink reservoirs; Ink cartridges (B43K 7/01 takes
precedence) [6]

- 7/03 • • pressurised, e.g. by gas [5]

- 7/035 • • • the gas acting on a piston [6]

- 7/04 • • Arrangements for refilling the reservoirs, e.g.
arrangements at the ball-point ends

- 7/06 • • Reservoirs with ink-level inspection means
- 7/08 • • Preventing leakage

- 7/10 • Arrangements for feeding the ink to the ball points
(B43K 7/01 takes precedence) [6]

- 7/12 • with retractable ball points (mechanisms for
retracting or locking ball points B43K 24/00)

8/00 Pens with writing-points other than nibs or balls
(brushes with reservoir for supplying substances
A46B 11/00)

- 8/02 • with writing-points comprising fibres, felt, or similar
porous or capillary material (B43K 8/22 takes
precedence) [2, 5]

- 8/03 • • Ink reservoirs; Ink cartridges [6]

- 8/04 • • Arrangements for feeding ink to writing-points [5]

- 8/06 • • • Wick feed from within reservoir to writing-points [5]
- 8/08 • • • Wick separate from writing-points [5]
- 8/10 • • • including compartment for soluble solid material [5]
- 8/12 • • • writing-points or writing-point units being separable from reservoir [5]
- 8/14 • with coreless tubular writing-points [5]
- 8/16 • with tubular writing-points comprising a movable cleaning element [5]
- 8/18 • • Arrangements for feeding the ink to the writing-points [5]
- 8/20 • with roller writing-points [5]
- 8/22 • with electrically or magnetically activated writing-points [5]
- 8/24 • characterised by the means for retracting writing-points [5]
- 11/00 Filling devices** (ink receptacles B43L 25/00)
- 13/00 Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping** (ink receptacles with pen-wiping means B43L 25/12) [3]
- 13/02 • for cleaning nibs, e.g. ink reservoirs therein [6]
- 15/00 Assembling, finishing, or repairing pens**
- 15/02 • Automatic machines
- 17/00 Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor** (features common to fountain-pens B43K 5/00)
- 17/01 • Nibs with ink reservoirs [6]
- 17/02 • Nibs having more than two legs
- 17/04 • Holders with arrangements for drawing dotted lines
- 19/00 Non-propelling pencils; Styles; Crayons; Chalks** (batik pencils, cord line chalkers B44D 3/00; writing-core compositions for pencils, crayon compositions, chalk compositions C09D 13/00) [2]
- 19/02 • Pencils with graphite; Coloured pencils
- 19/04 • Pencils with metallic writing-core
- 19/06 • • the writing-core being made from substance wearing off during use
- 19/08 • • the writing-core being made from wear-resistant substances
- 19/10 • • • equipped with ball point (using ink B43K 1/08, B43K 7/00)
- 19/12 • Slate pencils
- 19/14 • Sheathings
- 19/16 • Making non-propelling pencils (making slate-pencil writing-cores B28D)
- 19/18 • • Making pencil writing-cores
- 21/00 Propelling pencils** (projecting mechanisms for writing units B43K 24/00; multiple-point writing implements B43K 27/00)
- 21/02 • Writing-core feeding mechanisms
- 21/027 • • with sliding tube-like writing-core guide [5]
- 21/033 • • • with automatic feed by pressure during use of pencil [5]
- 21/04 • • with the writing-cores brought into position by gravity
- 21/06 • • with the writing-cores fed by means sliding in longitudinally-slotted casings
- 21/08 • • with the writing-cores fed by screws
- 21/10 • • • with separate writing-core remnants ejecting-bar
- 21/12 • • • with means preventing overwinding
- 21/14 • • • with writing-cores automatically replaced from magazines
- 21/16 • • with stepwise feed of writing-cores
- 21/18 • • • having ratchet means
- 21/20 • • • with writing-cores automatically replaced from magazines
- 21/22 • • Writing-cores gripping means, e.g. chucks
- 21/24 • Assembling, finishing, or repairing propelling pencils (making pencil writing-cores B43K 19/18)
- 21/26 • • Automatic machines
- 23/00 Holders or connectors for writing implements; Means for protecting the writing-points**
- 23/004 • Holders specially adapted for assisting handicapped or disabled persons to write (B43L 15/00 takes precedence) [6]
- 23/008 • Holders comprising finger grips (B43K 23/004, B43K 23/012 take precedence) [6]
- 23/012 • Holders for attachment to finger tips (B43K 23/004 takes precedence) [6]
- 23/016 • Holders for crayons or chalks (B43K 23/004-B43K 23/012, B43K 23/02 take precedence) [6]
- 23/02 • with means for preventing rolling (B43K 23/004-B43K 23/012 take precedence) [6]
- 23/04 • • enabling the writing implement to be set upright
- 23/06 • Means for connecting two or more writing implements [6]
- 23/08 • Protecting means, e.g. caps [6]
- 23/10 • • for pencils [6]
- 23/12 • • for pens [6]
- 24/00 Mechanisms for selecting, projecting, retracting or locking writing units [6]**
- 24/02 • for locking a single writing unit in only fully projected or retracted positions
- 24/03 • • operated by flicking or tilting [6]
- 24/04 • • operated by means sliding in longitudinally-slotted casings
- 24/06 • • operated by turning means
- 24/08 • • operated by push-buttons
- 24/10 • for selecting, projecting and locking several writing units
- 24/12 • • operated by means sliding in longitudinally-slotted casings
- 24/14 • • operated by turning means
- 24/16 • • operated by push-buttons
- 24/18 • • and for feeding the writing cores
- 25/00 Attaching writing implements to wearing apparel or objects involving constructional changes of the implements** (protecting means, e.g. caps, B43K 23/08; fastening articles to wearing apparel A45F 5/02)
- 25/02 • Clips [6]
- 27/00 Multiple-point writing implements, e.g. multicolour; Combinations of writing implements** (B43K 29/00 takes precedence; mechanisms for selecting, projecting, retracting or locking writing units B43K 24/00; multiple writing devices with pantographic linkages B43L 13/12)
- 27/02 • Combinations of pens and pencils
- 27/04 • Combinations of pencils (writing-core feed mechanisms B43K 21/02)
- 27/08 • Combinations of pens
- 27/12 • • of ball-point pens [3]

29/00	Combinations of writing implements with other articles	29/10	• with illuminating devices
29/007	• with advertising means [6]	29/12	• with memorandum appliances (with book covers B42D)
29/013	• with stamping means [6]	29/16	• with lighters
29/02	• with rubbers	29/18	• with hand tools, e.g. erasing knives (with pocket knives B26B)
29/04	• with blotters	29/20	• with other articles having storage compartments (with lighters B43K 29/16; writing implements functioning as, or combined with, writing implement receptacles B43K 31/00)
29/05	• with applicators for eradicating- or correcting-liquid [6]	31/00	Writing implement receptacles functioning as, or combined with, writing implements (other writing implement receptacles A45C 11/34, A45C 11/36)
29/06	• with sharpening devices (with erasing knives B43K 29/18; pocket knives with pencils B26B)		
29/08	• with measuring, computing or indicating devices		
29/087	• • for indicating time, e.g. with calendars or watches [6]		
29/093	• • with calculators [6]		
B43L	ARTICLES FOR WRITING OR DRAWING UPON; ACCESSORIES FOR WRITING OR DRAWING (workshop equipment for marking-out work B25H 7/00; teaching hand-writing or drawing G09B 11/00)		

Note(s)

This subclass does not cover devices used for both teaching and facilitating writing or drawing, which are covered by group G09B 11/00.

Subclass index

ARTICLES FOR WRITING OR DRAWING UPON

Boards or tablets.....	1/00
Underlays.....	3/00
Drawing-boards.....	5/00

AIDS FOR DRAWING

Straight lines.....	7/00
Circles.....	9/00
Other curves.....	11/00
Means to prevent slippage.....	12/00
Other figures.....	13/00

ATTACHMENT TO HANDS OR ARMS.....15/00

BLOTTERS.....17/00

ACCESSORIES FOR

Rubbing or erasing.....	19/00
Cleaning blackboards or slates.....	21/00
Sharpening pencils or leads.....	23/00

INK RECEPTACLES; INK STANDS.....25/00, 27/00

Articles for writing or drawing upon

1/00	Repeatedly-usable boards or tablets for writing or drawing (drawing-boards B43L 5/00)
1/02	• Slates
1/04	• Blackboards (easels or stands for blackboards A47B 97/04)
1/06	• • rigid
1/08	• • flexible
1/10	• • Writing surfaces thereof
1/12	• having translucent writing surfaces producing visual impressions by co-operation with backing members
3/00	Writing or drawing-underlays, e.g. blotting pads (blotters B43L 17/00)
5/00	Drawing-boards (drawing-desks or tables A47B 27/00, A47B 85/02; stands for drawing-boards A47B 97/04)
5/02	• having means for clamping sheets of paper thereto (drawing-pins B43M 15/00)

Writing or drawing aids

7/00	Straightedges (guides for rulers other than for T-squares B43L 13/04; curve rulers or templates B43L 13/20; straightedges characterised by the provision of indicia or the like for measuring, e.g. rulers or tapes with measuring scales or marks for direct reading, G01B)
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Note(s)

In this group, the following term is used with the meaning indicated:

- "straightedge" means an instrument or its edge serving the purpose of acting as a guide for the drawing of a straight line.

7/02	• T-squares
7/027	• Plural non-adjustable straightedges fixed at right angles (B43L 7/02 takes precedence) [5]
7/033	• Plural non-adjustable straightedges forming non-right angles [5]
7/04	• with rollers (with interconnected rollers B43L 13/02)
7/08	• with arrangements for attaching additional drawing equipment, e.g. for hatching, dotting

B43L

- 7/10 • Plural straightedges relatively movable [5]
- 7/12 • • Square and pivoting straightedges [5]
- 7/14 • • Square and sliding straightedges [5]
- 9/00 Circular curve-drawing or like instruments** (curve rulers or templates B43L 13/20)
- 9/02 • Compasses (proportional compasses B43L 9/08; compasses for drawing spirals B43L 11/06)
- 9/04 • • Beam compasses
- 9/06 • • with legs formed by flat springs
- 9/08 • Proportional compasses or dividers
- 9/10 • • with arrangements for drawing polygons
- 9/12 • Dividers (proportional dividers B43L 9/08)
- 9/14 • with changeable leg-ends for conversion into compasses, dividers, or callipers (B43L 9/24 takes precedence)
- 9/16 • Features common to compasses, dividers, or callipers
- 9/18 • • Legs with toggle joints
- 9/20 • • Pivots
- 9/22 • • Leg-angle adjusting-means separate from pivots
- 9/24 • • Means for mounting points or writing appliances on legs
- 11/00 Non-circular-curve-drawing instruments** (curve rulers or templates B43L 13/20)
- 11/02 • for drawing conic sections
- 11/04 • • for drawing ellipses
- 11/045 • • • with cords or like flexible elements [5]
- 11/05 • • • with gears [5]
- 11/055 • • • with guides [5]
- 11/06 • for drawing spirals
- 11/08 • for drawing involutes
- 12/00 Means to prevent slippage** [5]
- 12/02 • magnetic [5]
- 13/00 Drawing instruments, or writing or drawing appliances or accessories, not otherwise provided for** (stencils for surface decoration B44D)
- 13/02 • Drafting machines or drawing devices for keeping parallelism (T-squares B43L 7/02)
- 13/04 • • Guides for rulers
- 13/06 • • • with pivoted guide rods
- 13/08 • • Protractor heads
- 13/10 • Pantographic instruments for copying, enlarging, or diminishing (arrangements for copying in machine tools B23Q)
- 13/12 • • Multiple writing devices
- 13/14 • Devices for drawing in perspective
- 13/16 • • free-hand

- 13/18 • • • having optical or projecting equipment (optical systems or apparatus G02B; projectors G03B)
- 13/20 • Curve rulers or templates
- 13/22 • • Adjustable curve rulers
- 13/24 • Devices for generating stepwise movements of drawing equipment, e.g. for hatching
- 15/00 Supports for attachment to hands or arms for facilitating writing or drawing**
- 17/00 Blotters** (blotting pads B43L 3/00; combined with writing implements B43K 29/04; making blotting paper D21F 11/14) [2]
- 17/02 • for blotting-paper sheets
- 17/04 • • hand-held
- 17/06 • for reeled blotting-paper
- 17/08 • • Roller blotters
- 17/10 • using blotting material other than paper
- 19/00 Erasers, rubbers, or erasing devices; Holders therefor** (rubbers or erasing knives combined with writing implements B43K 29/02, B43K 29/18)
- 19/02 • Erasing knives (knives in general B26B)
- 19/04 • Fibrous erasers
- 21/00 Blackboard or slate-cleaning devices**
- 21/02 • with means for absorbing the chalk dust
- 21/04 • Wiper holders
- 23/00 Sharpeners for pencils or leads** (grinding or cutting tools in general B24, B26; combined with writing implements B43K 29/06) [2]
- 23/02 • with gearing
- 23/04 • • with cranked handles
- 23/06 • in which the pencils or leads are sharpened by only axial movement against cutting blades
- 23/08 • in which the pencils or leads are sharpened mainly by rotational movement against cutting blades (B43L 23/02 takes precedence)
- 25/00 Ink receptacles** (liquid receptacles in general B65D, e.g. B65D 1/00)
- 25/02 • with separate dipping-cups
- 25/04 • • supplied by pressure arrangements
- 25/06 • • supplied by tilting the receptacles
- 25/08 • with arrangements for dissolving ink powder
- 25/10 • with means for holding objects
- 25/12 • with pen-wiping means
- 27/00 Ink stands**
- 27/02 • having means for securing objects thereon
- 27/04 • securable to other objects

B43M BUREAU ACCESSORIES NOT OTHERWISE PROVIDED FOR (stapling devices B25C, B27F; devices for temporarily attaching sheets together B42F; adhesive tape dispensers B65H 35/07)

Subclass index

FIXING SEALS; INSERTING DOCUMENTS INTO, CLOSING, OR OPENING, ENVELOPES.....1/00, 3/00, 5/00, 7/00
PAPER-WEIGHTS; DEVICES FOR APPLYING LIQUIDS; STAMP DISPENSERS; DRAWING-PINS
OR THUMB-TACKS.....9/00, 11/00, 13/00, 15/00
OTHER ACCESSORIES.....99/00

1/00 Fixing seals on documents (embossing dies B44B;

seals per se G09F 3/00)

- 1/02 • Sealing-wax holders
- 3/00 Devices for inserting documents into envelopes**
(combined devices for inserting documents into, and closing, envelopes B43M 5/00)
- 3/02 • equipped with document-folding means (B43M 3/04 takes precedence)
- 3/04 • automatic
- 5/00 Devices for closing envelopes**
- 5/02 • Hand devices for both moistening gummed flaps of envelopes and for closing the envelopes
- 5/04 • automatic
- 7/00 Devices for opening envelopes** (cutting tools in general B26)
- 7/02 • Devices for both opening envelopes and removing contents
- 9/00 Paper-weights**
- 11/00 Hand or desk devices of the office or personal type for applying liquid, other than ink, by contact to surfaces, e.g. for applying adhesive** (combined with envelope-closing devices B43M 5/02; reservoir brushes A46B 11/00; devices for applying liquids or other fluent materials to surfaces in general B05C; liquid receptacles B65D)
- 11/02 • with rollers
- 11/04 • with pads (B43M 11/06 takes precedence)
- 11/06 • Hand-held devices
- 11/08 • • of the fountain-pen type
- 13/00 Dispensers without mechanisms for single stamps modified for the application of stamps to articles** (manually-controlled or manually-operable label or stamp dispensers B65C 11/00)
- 15/00 Drawing-pins; Thumb-tacks** (extractors B25C 11/00)
- 99/00 Subject matter not provided for in other groups of this subclass [2010.01]**