CPC field-specific training

B25H
Overview

- Classification scheme
- Definitions and related fields
- Examples
Classification scheme

B25H group has about **24 700 documents**.

The largest groups are:

- 2 300 documents – B25H3/02
- 2 200 documents – B25H3/04
- 1 900 documents – B25H3/003
- 1 850 documents – B25H7/04

The **average group** size is around **580 documents**, with an uneven distribution, concentrating about two thirds in only 8 groups out of 43.
Classification scheme

As the **aim** of classification is the **retrieval of technical subject-matter**, the search examiner in the field applies a mix of:

- **Figure-feature search**,  
  i.e. a search of features shown in figures

- **Text-feature search**,  
  i.e. a search for written features

When flipping through documents, in B25H, the search examiner mostly looks at the figures, i.e. classification of the figures is often more important than classification of the wording of broad and vague claims.
Classification scheme

The distribution of the technology in B25H is split as follows:

- B25H1 and its subgroups applies to workplace / worktables
- B25H3 and its subgroups applies to boxes for tools
- B25H5 applies to garage (i.e. for vehicles) equipment
- B25H7 and its subgroups applies to marking and setting out work
Classification scheme

B25H1/00 – Work benches; Portable stands or supports for positioning portable tools or work to be operated on thereby

B25H1/0007 – for engines, motor-vehicles or bicycles

B25H1/0014 – for motorcycles or bicycles

B25H1/0021 – Stands, supports or guiding devices for positioning portable tools or for securing them to the work (B23B41/00 takes precedence)

B25H1/0028 – Tool balancers

B25H1/0035 – Extensible supports, e.g. telescopic

B25H1/0042 – Stands (B25H1/0071 takes precedence)

B25H1/005 – attached to a workbench

B25H1/0057 – Devices for securing hand tools to the work
Classification scheme

B25H1/0064 – Stands attached to the workpiece
  B25H1/0071 – by magnetic means
B25H1/0078 – Guiding devices for hand tools
  B25H1/0085 – by means of levels
  B25H1/0092 – by optical means
B25H1/02 – of table type
  B25H1/04 – portable
B25H1/06 – of trestle type
B25H1/08 – with provision for attachment of work holders
B25H1/10 – with provision for adjusting holders for tool or work
B25H1/12 – with storage compartments
Classification scheme

B25H1/14 – with provision for adjusting the bench top

B25H1/16 – in height

B25H1/18 – in inclination

B25H1/20 – with provision for shielding the work area
Classification scheme

B25H3/00 – **Storage means or arrangements for workshops facilitating access to, or handling of, work tools or instruments** (containers or packages with special means for dispensing contents B65D83/00; nail dispensers B25C3/00)

B25H3/003 – Holders for drill bits or the like

B25H3/006 – Storage means specially adapted for one specific hand apparatus, e.g. an electric drill

B25H3/02 – Boxes

  B25H3/021 – comprising a number of connected storage elements

  B25H3/022 – in fixed relationship
Classification scheme

B25H3/023 – movable relative to one another for access to interiors

B25H3/025 – by rotation about a common axis

B25H3/026 – by displacement in a direction substantially perpendicular to the base

B25H3/027 – by sliding along one another

B25H3/028 – by sliding extraction from within a common frame

B25H3/04 – Racks

B25H3/06 – Trays
Classification scheme

B25H5/00 – **Tool, instrument or work supports or storage means used in association with vehicles** (means for holding wheels or parts thereof B60B30/00); Workers' supports, e.g. mechanics' creepers (collecting or removing exhaust gases in workshops B08B15/002; vehicle lifting devices, e.g. jacks, platforms or ramps B66F)
Classification scheme

B25H7/00 – **Marking-out or setting-out work** (measuring, gauging G01; optical apparatus G02B; by photographic means G03C)

B25H7/005 – for pipes

B25H7/02 – Plates having a flat surface

B25H7/04 – Devices, e.g. scribers, for marking (centre punches B25D5/00, B44D3/38)

B25H7/045 – characterised by constructional details of the marking elements
Overview

- Classification scheme
- Definitions and related fields
- Examples
Definitions and related fields

Special rules of classification

B25H1/02 – B25H1/20 relate to very specific details of worktables and are being used like "keywords", usually in combination.
Definitions and related fields

Glossary of terms

- Tool = Any instrument of operation for performing, assisting the work or facilitating mechanical operations
- Workshop = A room or building where tools and machines are used for making or repairing things
- Portable = Includes suspension for easy manual handling, e.g. in connection with spring-suspended portable apparatus for use along assembly lines
Definitions and related fields

B25H1/00 – Work benches; Portable stands or supports for positioning portable tools or work to be operated on thereby

This place does not cover:

- Tool, instrument or work supports or storage means used in association with vehicles (B25H5/00)
# Definitions and related fields

## Related fields of B25H1

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A47C9/02</td>
<td>Workshop stools</td>
</tr>
<tr>
<td>B60P3/14</td>
<td>Vehicles adapted to transport objects, e.g. workshop for servicing</td>
</tr>
<tr>
<td>B63B35/44</td>
<td>Floating workshops</td>
</tr>
</tbody>
</table>
Definitions and related fields

B25H3/00 – **Storage means or arrangements for workshops facilitating access to, or handling of, work tools or instruments** (containers or packages with special means for dispensing contents B65D83/00; nail dispensers B25C3/00)

This place covers:

- Holders, Boxes, Racks, Trays.

This place does not cover:

- Nails dispensers (B25C3/00)
- Containers or packages with special means for dispensing contents (B65D83/00)
## Definitions and related fields

### Related fields of B25H3

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A47B67/04</td>
<td>Chests of drawers</td>
</tr>
<tr>
<td>A47B81/00</td>
<td>Cabinets or racks specially adapted for other particular purposes</td>
</tr>
<tr>
<td>A47F5/00</td>
<td>Show stands, hangers, or shelves characterised by their constructional features</td>
</tr>
<tr>
<td>A47F7/00, A47F7/0028</td>
<td>Show stands, hangers, or shelves, adapted for particular articles or materials</td>
</tr>
<tr>
<td>A47G29/00</td>
<td>Miscellaneous supports, holders, or containers for household use</td>
</tr>
<tr>
<td>A47L13/51</td>
<td>Storing of cleaning tools, e.g. containers therefor</td>
</tr>
</tbody>
</table>
### Definitions and related fields

#### Related fields of B25H3

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B62B1/00</td>
<td>Hand carts having only one axis carrying one or more transport wheels</td>
</tr>
<tr>
<td>B62B3/00</td>
<td>Hand carts having more than one axis carrying transport wheels</td>
</tr>
<tr>
<td>B65D81/00</td>
<td>Containers, packaging elements, or packages, for contents presenting particular transport or storage problem</td>
</tr>
<tr>
<td>B65D85/20</td>
<td>Containers for rod-shaped or tubular articles</td>
</tr>
<tr>
<td>F21V33/0084</td>
<td>Structural combinations of lighting devices with hand tools or Toolboxes</td>
</tr>
</tbody>
</table>
Definitions and related fields

B25H5/00 – **Tool, instrument or work supports or storage means used in association with vehicles** (means for holding wheels or parts thereof B60B30/00); Workers' supports, e.g. mechanics' creepers

This place covers:

- Tool, instrument or work supports or storage means used in association with vehicles.

This place does not cover:

- Workers' supports, e.g. mechanics' creepers (collecting or removing exhaust gases in workshops (B08B15/002)
- Means for holding wheels or parts thereof (B60B30/00)
- Vehicle lifting devices, e.g. jacks, platforms or ramps (B66F)
## Definitions and related fields

### Related fields of B25H5

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B60J11/00</td>
<td>Removable external protective coverings specially adapted for vehicles or part of vehicles</td>
</tr>
<tr>
<td>B60S5/00</td>
<td>Servicing, maintaining, repairing or refitting of vehicles</td>
</tr>
<tr>
<td>E04H6/428</td>
<td>Devices for collecting oil or other fluids under parked cars</td>
</tr>
<tr>
<td>F16N31/00</td>
<td>Means for collecting, retaining, or draining-off lubricant in or on machines or apparatus</td>
</tr>
</tbody>
</table>
Definitions and related fields

B25H7/00 – **Marking-out or setting-out work**

This place covers:

- Devices, e.g. scribers, for marking or setting-out work; to be used on flat surfaces as well as on for example pipes.

This place does not cover:

- A41H25/00 – Appliances or methods for marking-out, perforating, or making buttonholes
- G02B – Optical apparatus
- G03C – Photographic means
### Definitions and related fields

#### Related fields of B25H7

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A47G1/205</td>
<td>Devices for positioning picture hooks on a wall</td>
</tr>
<tr>
<td>B27F5/12</td>
<td>Slotting or mortising machines for making holes designed for taking up fittings</td>
</tr>
<tr>
<td>E04D11/002</td>
<td>Templates for marking the position of apertures in fittings for hinges</td>
</tr>
<tr>
<td>E04G17/06</td>
<td>Templates for marking the position of apertures in fittings for locks</td>
</tr>
<tr>
<td>E04G21/1891</td>
<td>Cut-marking templates for rafter</td>
</tr>
<tr>
<td>G01B3/00</td>
<td>Instruments characterised by the use of mechanical measuring means, e.g. rulers or tapes, compasses, micrometers and gauges</td>
</tr>
<tr>
<td>G01B5/00</td>
<td>Measuring arrangements characterised by the use of mechanical means</td>
</tr>
</tbody>
</table>
Definitions and related fields

Workflow summary

- When flipping through documents, in B25H, the search examiner mostly looks at the figures, i.e. classification of the figures is often more important than classification of the wording of broad and vague claims. Text search has a very limited use.

- Abstract and summary of the invention are usually enough to receive additional “text” information.

- B25H1/0021 – B25H1/0092 applies to devices not incorporated on/into the power tools (e.g. B25F5/021 refers to guiding devices placed/mounted on the power tool) – the power tools can be viewed as a “tool tip” in the disclosures, interchangeable, i.e. without actually impacting the support/guiding or stand arrangement.

- Classification symbols are to be attached to every technically relevant aspect, resulting in multiple (usually 2-4) classification entries per document.
Overview

- Classification scheme
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- Examples
Examples

Example 1

WO2016060813
A table comprising a worktop including an axis of rotation, a perimeter, and an effective radius, the effective radius defined as the average distance between the axis of rotation and the perimeter; a frame; a rotational connection disposed between the worktop and the frame, the connection configured to allow the worktop to rotate about the axis of rotation; and a plurality of bearings disposed between the worktop and the frame to rollingly support the worktop on the frame, at least one of the bearings disposed more than half of the effective radius from the axis of rotation.
A table for use in working on a circularly arcuate component is disclosed. The table includes a base frame and a first work surface mounted to the base frame, the first work surface including at least one linearly slidable work section separable from a remaining portion of the first work surface.

A fastener for holding a circularly arcuate component relative to the at least one linearly slidable work section is provided.

A mount for mounting a machining tool for machining the circularly arcuate component or a circular component may also be provided.
Examples

Example 3

US9566704
A toolbox comprises a rigid case having an open top side providing access to an internal case storage volume therein, and a rigid cover with an open bottom side open to a cover storage volume. The cover is fixed with the case at a plurality of hinges.

A removable message board and marking implement are selectively fixed within the cover storage volume of the cover. The rear side of the case includes winding posts around which a power cord is wound that conducts power to a power strip circuit having a plurality of power receptacles fixed with the case.

B25H3/01 – Boxes comprising a number of connected storage elements
B25H3/06 – Trays
Examples
Example 4

US2015115786
A storage assembly which has a plurality of unique storage components which may be selectively connected in order to provide an optimal storage solution for a wide variety of applications.

Fig. 25

B25H1/12 – with storage compartments
B25H3/028 – by sliding extraction from within a common frame
B25H1/04 – portable
Examples

Example 5

US3271867

The present layout tool consists essentially of a T-square, a radius arm pivotally supported for movement intermediate the arms of the T, an auxiliary square slideably and rotatably mounted on the arm and a slideable scribing device disposed between the auxiliary square and the support point for the radius arm. The T-square part of the tool has a guide shoulder which rests against an edge of the sheet metal upon which a cutter or benchman is developing his pattern... The exemplary trammel in FIG.3 includes a U-shaped support member 46 apertured to receive and ride on radius arm 11. A scribe 48 is affixed to the common junction of support member 46 and the resilient member 47 to permit the scribing of arcs... It may also be desirable to have member 43 removable or retractable during the times when the scribe is not actually being used.
Thank you for your attention!