

B26F

PERFORATING; PUNCHING; CUTTING-OUT; STAMPING-OUT; SEVERING BY MEANS OTHER THAN CUTTING (marking-out, perforating or making buttonholes A41H25/00; manufacturing footwear A43D; surgery A61B; punching metal B21D; drilling metal B23B; cutting of metal by applying heat locally, e.g. flame cutting, B23K; cutting by abrasive fluid jets B24C5/02; details common to machines for severing B26D; drilling wood B27C; drilling stone B28D; working of plastics or substances in a plastic state B29; making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil, B31B; of glass C03B; of leather C14B; of textile materials D06H; for light guides G02B6/25; of tickets G07B)

Definition statement

This subclass/group covers:

Perforating, punching, cutting-out, stamping-out;

severing, by means other than cutting, non-metallic sheet material or metal foil in general;

severing, by means other than cutting, other forms of non-metallic materials not otherwise provided for.

References relevant to classification in this subclass

This subclass/group does not cover:

Marking-out, perforating or making buttonholes	A41H 25/00
Punching metal	B21D
Drilling metal	B23B
Cutting of metal by applying heat locally, e.g. flame cutting	B23K
Guns for cutting by abrasive fluid jets	B24C 5/02
Details common to machines for severing	B26D
Drilling wood	B27C
Drilling stone	B28D

Cutting of glass	C03B
Cutting of leather	C14B
Severing of textile materials	D06H
Cutting for light guides	G02B 6/25
Cutting of tickets	G07B

Informative references

Attention is drawn to the following places, which may be of interest for search:

Manufacturing footwear	A43D
Surgery	A61B
Working of plastics or substances in a plastic state	B29
Making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil	B31B
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of removal of extended surfaces	B24C 1/086
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of deburring	B24C 1/083
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of de jet milling of local recessions like e.g. grooves	B24C 1/04

HYPERLINK

"<http://babylon/projects/babylon/clasoqc.nsf/0/E24F974E720B1667C125785A>

↳ "This section consists of definitions for significant words

or phrases found in the titles or definition statements. For more details:"Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

flow drilling	Friction drilling, also commonly known by the trademarked name Flowdrilling, is a non-machining method of making holes in metal, in which the material is melted by adding high pressure and friction energy.
frame	frame is a structure surrounding a second structure
passpartout	Passe-Partout (or passepartout) is the French term for a HYPERLINK "http://en.wikipedia.org/wiki/Mat_(picture_framing)" \o "Mat (picture framing)" mat, a paper or, more usually, cardboard sheet with a cutout, which is placed under the glass in a HYPERLINK "http://en.wikipedia.org/wiki/Picture_frame" \o "Picture frame" picture frame . A picture (a photo or print, drawing, etc.) is placed beneath it, with the cutout framing it. The passe-partout serves two purposes: first, to prevent the image from touching the glass, and second, to frame the image and enhance its visual appeal. The cutout in the passe-partout is usually beveled to avoid casting shadows on the picture.
squeezing	means to compress the material in a locally limited area (e.g. by a rounded edge) to such an extend, that the material is displaced and hence tensional stress is produced to such an extend that the material is severed.

Synonyms and Keywords

In patent documents the expression/word "drilling" is often used instead of "punching or perforating" which is used in the classification scheme of this group.

B26F 1/00

Perforating; Punching; Cutting-out; Stamping-out; Apparatus therefor (subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency B24B1/04, perforating by sand-blasting B24C; [N: e.g. abrasive blasting used for cutting B24C1/045]; punching cards or tapes for statistical and record purposes G06K1/00)

Definition statement

This subclass/group covers:

Perforating, e.g. perforating of particular materials; Punching; Cutting-out; Stamping-out; Apparatus therefor; Perforating characterized by the nature of the punching tool; Hand-held perforating or punching apparatus, e.g. awls; Cutting-out or stamping-out.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Punching cards or tapes for statistical and record purposes	G06K 1/00
Subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency	B24B 1/04

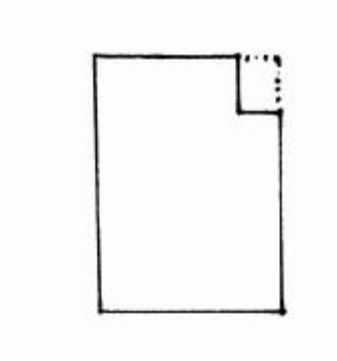
B26F 1/12

to notch margins of work

Definition statement

This subclass/group covers:

to notch margins of work



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[N: by flow drilling (for metal B21C37/292)]

References relevant to classification in this group

This subclass/group does not cover:

Flow drilling of metal	B21C 37/292
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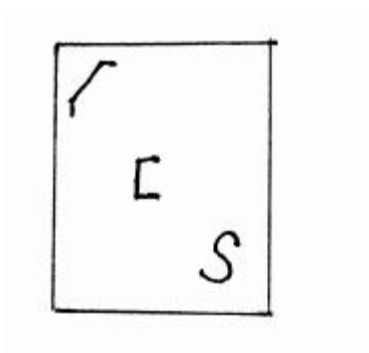
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to form non-rectilinear cuts, e.g. for tabs

Definition statement

This subclass/group covers:

to form non-rectilinear cuts, e.g. for tabs



B26F 1/26

Perforating by non-mechanical means, e.g. by fluid jet

Definition statement

This subclass/group covers:

Perforating by non-mechanical means, e.g. by fluid jet like hot air or a water jet.

References relevant to classification in this group

This subclass/group does not cover:

Needling of non woven fabrics	D04H 1/46
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Thermoforming of plastic webs	B29C 51/00
Mechanical treatment of absorbent pads	A61M 13/15M6

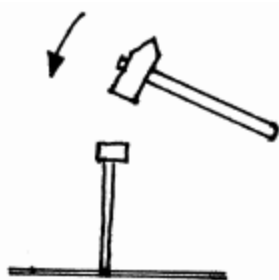
B26F 1/32

Hand-held perforating or punching apparatus, e.g. awls

Definition statement

This subclass/group covers:

Hand-held perforating or punching apparatus, e.g. awls



B26F 1/36

Punching or perforating pliers

Definition statement

This subclass/group covers:

Punching or perforating pliers. Desktop paper punches.

B26F 1/3853

[N: cutting out frames (B26F1/384, B26F1/40 and B26F1/44 take precedence)]

Definition statement

This subclass/group covers:

Cutting out frames; E.g. all kind of cutters for cutting out so-called "passpartouts".

B26F 1/40

using a press, e.g. of the ram type (presses in general B30B)

Informative references

Attention is drawn to the following places, which may be of interest for search:

Presses in general	B30B
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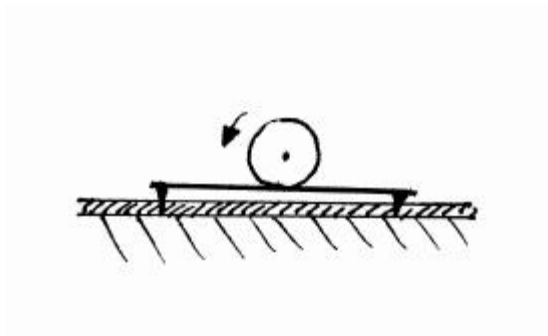
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having a pressure roller

Definition statement

This subclass/group covers:

having a pressure roller e.g.

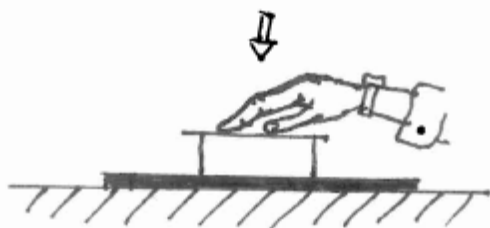


B26F 1/46

Loose press knives

Definition statement

This subclass/group covers:
Loose press knives



B26F 3/00

Severing by means other than cutting; Apparatus therefor (severing by grinding B24B27/06)

References relevant to classification in this group

This subclass/group does not cover:

Severing by grinding	B24B 27/06
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B26F 3/004

[N: by means of a fluid jet (methods for use of abrasive blasting for cutting B24C1/045; guns for abrasive fluid jets B24C5/02; perforating by non-mechanical means, e.g. by fluid jet B26F1/26)]

References relevant to classification in this group

This subclass/group does not cover:

Perforating by non-mechanical means, e.g. by fluid jet	B26F 1/26
Methods for use of abrasive blasting for cutting	B24C 1/045

Guns for abrasive fluid jets	B24C 5/02
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B26F 3/16

by radiation (by laser beam B23K26/00)

References relevant to classification in this group

This subclass/group does not cover:

Cutting by laser beam	B23K 26/00
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