

A43D

MACHINES, TOOLS, EQUIPMENT OR METHODS FOR MANUFACTURING OR REPAIRING FOOTWEAR

Definition statement

This subclass/group covers:

All the machines and tools to build a shoe. Each group relates to a machine, or a step of the production. Most of them are explicit. A more detailed explanation will be given to the others.

Special rules of classification within this subclass

[A43D 2200/00](#) used to provide additional information on those machines, information independent from the type of machine e.g. when they are provided with a magazine for blanks, etc...

A43D 1/00

Foot or last measuring devices; Measuring devices for shoe parts

Definition statement

This subclass/group covers:

Essentially (but not necessarily) in order to build a model in order to produce a shoe.

Relationship between large subject matter areas

[A43D 8/26](#) and subgroups relate to the marking of future work.

A43D 3/00

Lasts

Definition statement

This subclass/group covers:

Lasts and shoe trees.

Glossary of terms

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

Last	a foot shape form used to build a
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	shoe
Shoe tree	a foot shape form used to put inside a shoe in order to maintain over time its original shape, they are sometimes nevertheless still denominated lasts

A43D 5/00

Hand appliances or hand tools for making or repairing shoes, other than those covered by groups [A43D 15/00](#), [A43D 19/00](#), [A43D 95/00](#), [A43D 100/00](#), [A43D 117/00](#)

A43D 8/00

Machines for cutting, ornamenting, marking or otherwise working up shoe part blanks (pulling-over or lasting [A43D 9/00](#) to [A43D 23/00](#); making or fastening soles, heels or welts [A43D 25/00](#) to [A43D 83/00](#))

Informative references

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

Making or fastening soles, heels or welts	A43D 25/00 - A43D 83/00
Pulling-over or lasting	A43D 9/00 - A43D 23/00

A43D 9/00

Devices for binding the uppers upon the lasts (for the toe ends [A43D 15/00](#))

References relevant to classification in this group

This subclass/group does not cover:

For the toe ends	A43D 15/00
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A43D 11/00

Machines for preliminary treatment or assembling of upper-parts, counters, or insoles on their lasts preparatory to the pulling-over or lasting operations; Applying or removing protective coverings

A43D 13/00

Machines for pulling-over the uppers when loosely laid upon the last and tacking the toe end

A43D 15/00

Pulling-over or lasting machines for binding the toe end with cord, string, or wire; Machines for lasting with clamps; Lasting machines with sewing devices, also for platform shoes (special sewing machines for leather or shoes [D05B](#))

Informative references

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

Special sewing machines for leather or shoes	D05B
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A43D 17/00

Pulling-over or lasting machines with oscillating shoe supports

A43D 19/00

Hand lasting; Lasting pincers

A43D 21/00

Lasting machines

A43D 23/00

Single parts for pulling-over or lasting machines (nailing devices [A43D 75/00](#))

Informative references

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

Nailing devices	A43D 75/00
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A43D 25/00

Devices for gluing shoe parts

Special rules of classification within this group

As far as the technique used is moulding [B29D 35/10](#) is the relevant group.

A43D 27/00

Machines for trimming as an intermediate operation (working on edges or margins, e.g. by trimming, of shoe part blanks [A43D 8/32](#); trimming as a finishing operation in shoemaking [A43D 87/00](#))

Informative references

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

Working on edges or margins, e.g. by trimming, of shoe part blanks	A43D 8/32
Trimming as a finishing operation in shoemaking	A43D 87/00

A43D 29/00

Machines for making soles from strips of material

A43D 31/00

Machines for making or inserting shank stiffeners

A43D 33/00

Machines for assembling lifts for heels (cutting-out heel lifts [A43D 8/02](#))

Informative references

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

Cutting-out heel lifts	A43D 8/02
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A43D 35/00

Presses for shaping pre-existing loose soles, shoe bottoms or soles fixed to shoe bottoms (glueing soles on shoe bottoms [A43D 25/06](#))

Informative references

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

Glueing soles on shoe bottoms	A43D 25/06
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A43D 37/00

Machines for roughening soles or other shoe parts preparatory to gluing

A43D 39/00

Machines for making foot-supporting pads or instep-raisers for flat feet

A43D 43/00

Machines for making stitch lips, or other preparatory treatment of soles or insoles before fixing same (flexing of soles or insoles [A43D 8/52](#))

Informative references

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

Flexing of soles or insoles	A43D 8/52
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A43D 44/00

Machines for attaching welts or rands

A43D 47/00

Machines for trimming or butting welts fixed on uppers

A43D 49/00

Machines for pounding

A43D 51/00

Machines for lip-setting

A43D 53/00

Machines for trimming-off surplus material along the inseam

A43D 55/00

Machines for flattening, pressing, or rubbing the inseams of lasted shoes

A43D 57/00

Machines for attaching the welt ends

A43D 59/00

Machines for rasping the lasting-margins of shoes which are sewn through

A43D 61/00

Machines for nail-pulling, nail-cutting, or nail-detecting

A43D 63/00

Machines for carrying-out other finishing operations

A43D 67/00

Machines for fastening soles or heels by means of screws or screwed wire

A43D 69/00

Shoe-nailing machines (nailing machines in general [B27F](#))

Informative references

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

Nailing machines in general	B27F
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A43D 71/00

Elements of nailing machines; Nail-feeding devices

A43D 71/02

Driving mechanisms for moving the horn; Nail-cutting apparatus connected with the horn

A43D 75/00

Nailing devices on pulling-over or lasting machines

A43D 79/00

Combined heel-pressing and nailing machines

A43D 81/00

Machines for attaching top-lifts

A43D 83/00

Heel-presses without nailing apparatus; Machines for pressing single lifts or punching holes for nailing

A43D 85/00

Machines or apparatus for turning, e.g. for making turn-shoes

A43D 86/00

Machines for assembling soles or heels onto uppers, not provided for in groups [A43D 25/00](#) to [A43D 83/00](#), e.g. by welding

A43D 87/00

Edge or heel cutters; Machines for trimming the heel breast (trimming machines for wooden heels [B27M](#); copying machines [B44B](#))

Informative references

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

Trimming machines for wooden heels	B27M
Copying machines	B44B

A43D 89/00

Sole-levelling machines with rolls

A43D 91/00

Stitch-separating or seam-indenting machines

A43D 93/00

Edge-indenting machines

A43D 95/00

Shoe-finishing machines

A43D 97/00

Machines for making pulling-on pieces

A43D 98/00

Machines for making laces (of leather [C14B](#); braidings in general [D04C](#)); Applying fibre or celluloid to ends of laces (making tags from metal sheet [B21D](#); from wire [B21F](#))

Informative references

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

Making tags from metal sheet	B21D
Making tags from from wire	B21F
Machines for making laces of leather	C14B
Braidings in general	D04C

A43D 100/00

Setting or removing eyelets, buttons, lacing-hooks, or elastic gussets in shoes

A43D 111/00

Shoe machines with conveyers for jacked shoes [N: or for shoes or shoe parts]

A43D 113/00

Machines for making shoes with out-turned flanges of the uppers or for making moccasins

A43D 115/00

Machines for skiving or removing heel-lifts, heels, or soles, or for removing stitches, preparatory to repair

A43D 117/00

Racks for receiving or transporting shoes or shoe parts;
Other conveying means

A43D 119/00

Driving or controlling mechanisms of shoe machines; Frames for shoe machines

A43D 999/00

Subject matter not provided for in other groups of this subclass