

**CPC****COOPERATIVE PATENT CLASSIFICATION****C14B**

**MECHANICAL TREATMENT OR PROCESSING OF SKINS, HIDES OR LEATHER IN GENERAL; PELT-SHEARING MACHINES; INTESTINE-SPLITTING MACHINES** (making leather substitutes [B29](#), [D06N](#); making articles from leather [B68F](#); mechanical cleaning of hides or the like [D06G](#); artificial leather [D06N](#))

**C14B 1/00**

**Manufacture of leather; Machines or devices therefor** {(machines specially adapted for forming upper shoe blanks or shoe leggings by stretching [A43D 8/003](#))}

**C14B 1/02**

. Fleshing, unhairing, samming, stretching-out, setting-out, shaving, splitting, or skiving skins, hides, or leather

**C14B 1/04**

.. using slicking, scraping, or smoothing-out cylinders or blades fixed on supports, e.g. cylinders, in a plane substantially at right angles to the working surface

**C14B 1/06**

... in machines in which the working piece is maintained in contact with the working tools solely by means of rolls

**C14B 1/08**

... in machines with flexible bands as bed supporting or counter-pressure elements

**C14B 1/10**

... in machines with drums with cylindrical, conical, or similar surfaces for supporting the whole working piece

**C14B 1/12**

... in machines with plane supporting bed-plates

**C14B 1/14**

.. using tools cutting the skin in a plane substantially parallel to its surface

**C14B 1/16**

... using fixed or reciprocating knives

**C14B 1/18**

... using band knives

**C14B 1/20**

... using circular dished or coned knives

**C14B 1/22**

... using cylindrical knives

**C14B 1/24**

.. Cutting or shearing hairs without cutting the skin (shearing furs and plucking hairs for fur manufacturing purposes [C14B 15/02](#))

**C14B 1/26**

. Leather tensioning or stretching frames; Stretching-machines; Setting-out boards; Pasting boards ([pasting processes C14B 1/60](#); [fastening devices C14B 17/08](#))

**C14B 1/28**

. Machines for treating leather combined with devices for measuring and printing

**C14B 1/30**

. Pressing or rolling leather

**C14B 1/32**

.. by linear movement of the pressing elements

**C14B 1/34**

.. by rotating movement of the pressing or rolling elements

**C14B 1/36**

... Bridge leather-rolling machines

**C14B 1/38**

. Hammering leather

**C14B 1/40**

. Softening or making skins or leather supple, e.g. by staking, boarding, or crippling machines, by dry mills

**C14B 1/42**

.. by means of a rotatable drum with radial blades

**C14B 1/44**

. Mechanical treatment of leather surfaces

- C14B 1/46 . . Fluffing, buffing, or sanding
- C14B 1/48 . . Roughening (by sanding [C14B 1/46](#))
- C14B 1/50 . . Glazing
- C14B 1/52 . . Brushing or plush-wheeling
- C14B 1/54 . . Ironing (pressing or rolling [C14B 1/30](#))
- C14B 1/56 . . Ornamenting, producing designs, embossing (pressing or rolling in general [C14B 1/30](#); producing design on furs [C14B 15/12](#))

- C14B 1/58 . Drying
- C14B 1/60 . . Pasting processes (pasting boards [C14B 1/26](#); chemical part [C14C 7/00](#))
- C14B 1/62 . Winding or stacking hides or leather

### **C14B 3/00      Milling leather**

### **C14B 5/00      Clicking, perforating, or cutting leather (for shoe parts, e.g. soles, [A43D](#); apparatus not specially adapted for leather [B26D](#))**

- C14B 5/02 . Stamps or dies for leather articles
- C14B 5/04 . for making leather belts or strips
- C14B 5/06 . . Machines for cutting strips spirally from discs of leather

### **C14B 7/00      Special leathers and their manufacture**

- C14B 7/02 . Composite leathers (with one or more laminae of plastics material [B32B](#))
- C14B 7/04 . . by cementing or pressing together leather pieces, strips or layers, Reinforcing or stiffening leather by means of reinforcing layers
- C14B 7/06 . Leather webs built up of interengaged strips or pieces, e.g. by braiding

### **C14B 9/00      Making driving belts or other leather belts or strips**

### **C14B 11/00      Finishing the edges of leather pieces, e.g. by folding, by burning ([milling C14B 3/00](#))**

### **C14B 13/00      Shredding hides or leather ([shredding in general B02C](#))**

### **C14B 15/00      Mechanical treatment of furs**

- C14B 15/005 . { [Tumbling furs or pelts in a rotating drum](#) }
- C14B 15/02 . Shearing; Removing dead or coarse hairs or bristles by shearing or plucking

- C14B 15/04 . Fur dressing
- C14B 15/06 . . Fur-stretching devices
- C14B 15/08 . Application of reinforcing or stiffening layers to fur skins
- C14B 15/10 . Cutting furs; Making fur plates or strips
- C14B 15/12 . Finishing, e.g. pointing furs; Producing designs or patterns
- C14B 17/00** **Details of apparatus or machines for manufacturing or treating skins, hides, leather, or furs**
- C14B 17/005 . { [Inspecting hides or furs](#) }
- C14B 17/02 . Blading cylinders or other working cylinders, e.g. slicking or scraping cylinders
- C14B 17/04 . Work-supports or other counter-pressing elements; Bed rolls or counter-pressing rolls
- C14B 17/06 . Work feeding or clamping devices
- C14B 17/08 . . Fastening devices, e.g. clips for leather-stretching
- C14B 17/10 . Arrangements for driving parts of leather-working machines
- C14B 17/12 . Safety devices specially adapted for leather-working machines
- C14B 17/14 . Auxiliary devices for leather-working machines, e.g. grinding devices for blading cylinders or dust-removal devices combined with the working machines
- C14B 17/16 . Inspecting hides or furs
- C14B 19/00** **Hand tools specially adapted for the treatment of hides, skins, or leather in the manufacture of leather and furs** ([equipment and tools for saddlery B68C](#))
- C14B 21/00** **Splitting intestines; Cutting intestines longitudinally** ([cleaning or cutting intestines during processing of meat A22C 17/00](#))
- C14B 99/00** **Subject matter not provided for in other groups of this subclass**
- C14B 2700/00** **Mechanical treatment or processing of skins, hides or leather in general; Pelt-shearing machines; Making driving belts; Machines for splitting intestines**
- C14B 2700/01 . Machines or devices for treating skins, hides or leather in general, e.g. fleshing, unhairing, samming, stretching-out, setting-out
- C14B 2700/013 . . using circular, cylindrical or band knives
- C14B 2700/016 . . using slicking, scraping, or smoothing-out cylinders

- C14B 2700/02 . Machines or devices for treating skins, hides and leather using cylinders with helical blades and a tensioning cylinder, cylindrical or conical working table
- C14B 2700/07 . Leather tensioning or stretching frames; Stretching-machines; Setting-out boards; Pasting boards; Fastening devices; Drying of leather
- C14B 2700/10 . Processes and machines for splitting leather and devices for measuring and printing on hides
- C14B 2700/11 . Machines or apparatus for cutting or milling leather or hides
- C14B 2700/113 . . Cutting presses
- C14B 2700/116 . . Perforating machines
- C14B 2700/12 . Pressing or rolling leather
- C14B 2700/14 . Processes or apparatus for setting-out, smoothing, ironing or polishing leather or hides
- C14B 2700/16 . Machines for glazing, plush-wheeling or brushing
- C14B 2700/18 . Machines for producing designs on leather
- C14B 2700/185 . . by means of a bridge leather-rolling machine
- C14B 2700/20 . Processes or apparatus for making leather belts
- C14B 2700/21 . Stretching machines or frames for belts
- C14B 2700/23 . Machines for cutting the skin in a plane substantially parallel to its surface
- C14B 2700/25 . Cutting or shearing hairs without cutting the skin
- C14B 2700/26 . Tools for tanning
- C14B 2700/27 . Rotating drums for treating leather
- C14B 2700/28 . Processes or apparatus for the mechanical treatment of hides or leather not provided for in groups [C14B 2700/01](#) to [C14B 2700/27](#)