

## SECTION C — CHEMISTRY; METALLURGY

## C14 SKINS; HIDES; PELTS; LEATHER

## C14B MECHANICAL TREATMENT OR PROCESSING OF SKINS, HIDES, OR LEATHER IN GENERAL; PELT-SHEARING MACHINES; INTESTINE-SPLITTING MACHINES (mechanical cleaning of hides or the like D06G)

Subclass index

## LEATHER

Manufacture.....	1/00, 7/00
Treatments	
milling; cutting.....	3/00, 5/00
finishing.....	11/00, 13/00
making belts.....	9/00
Apparatus, tools.....	17/00, 19/00

## FURS

Treatments.....	15/00
Apparatus, tools.....	17/00, 19/00

## INTESTINES

Splitting, cutting.....	21/00
-------------------------	-------

SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....99/00

1/00	<b>Manufacture of leather; Machines or devices therefor [1, 2006.01]</b>	1/28	• Machines for treating leather combined with devices for measuring and printing [1, 2006.01]
1/02	• Fleshing, unhairing, samming, stretching-out, setting-out, shaving, splitting, or skiving skins, hides, or leather [1, 2006.01]	1/30	• Pressing or rolling leather [1, 2006.01]
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 [1, 2006.01]	1/32	• • by linear movement of the pressing elements [1, 2006.01]
1/06	• • • in machines in which the working piece is maintained in contact with the working tools solely by means of rolls [1, 2006.01]	1/34	• • by rotating movement of the pressing or rolling elements [1, 2006.01]
1/08	• • • in machines with flexible bands as bed supporting or counter-pressure elements [1, 2006.01]	1/36	• • • Bridge leather-rolling machines [1, 2006.01]
1/10	• • • in machines with drums with cylindrical, conical, or similar surfaces for supporting the whole working piece [1, 2006.01]	1/38	• Hammering leather [1, 2006.01]
1/12	• • • in machines with plane supporting bed-plates [1, 2006.01]	1/40	• Softening or making skins or leather supple, e.g. by staking, boarding, or crippling machines, by dry mills [1, 2006.01]
1/14	• • using tools cutting the skin in a plane substantially parallel to its surface [1, 2006.01]	1/42	• • by means of a rotatable drum with radial blades [1, 2006.01]
1/16	• • • using fixed or reciprocating or oscillating knives [1, 2006.01]	1/44	• Mechanical treatment of leather surfaces [1, 2006.01]
1/18	• • • using band knives [1, 2006.01]	1/46	• • Fluffing, buffing or sanding [1, 2006.01]
1/20	• • • using circular dishd or coned knives [1, 2006.01]	1/48	• • Roughening (by sanding C14B 1/46) [1, 2006.01]
1/22	• • • using cylindrical knives [1, 2006.01]	1/50	• • Glazing [1, 2006.01]
1/24	• • Cutting or shearing hairs without cutting the skin (shearing furs or plucking hairs for fur manufacturing purposes C14B 15/02) [1, 2006.01]	1/52	• • Brushing or plush-wheeling [1, 2006.01]
1/26	• Leather tensioning or stretching frames; Stretching-machines; Setting-out boards; Pasting boards (fastening devices C14B 17/08) [1, 2006.01]	1/54	• • Ironing (pressing or rolling C14B 1/30) [1, 2006.01]
		1/56	• • Ornamenting, producing designs, embossing [1, 2006.01]
		1/58	• Drying [1, 2006.01]
		1/60	• • Pasting processes (chemical aspects C14C 7/00) [1, 2006.01]
		1/62	• Winding or stacking hides or leather [1, 2006.01]
		3/00	<b>Milling leather [1, 2006.01]</b>
		5/00	<b>Clicking, perforating, or cutting leather</b> (for shoe parts, e.g. soles, A43D) [1, 2006.01]
		5/02	• Stamps or dies for leather articles [1, 2006.01]
		5/04	• for making leather belts or strips [1, 2006.01]

**C14B**

- 5/06 • • Machines for cutting strips spirally from discs of leather [1, 2006.01]
- 7/00 **Special leathers or their manufacture [1, 2006.01]**
- 7/02 • Composite leathers (with one or more laminae of plastics material B32B 9/02) [1, 2006.01]
- 7/04 • • by cementing or pressing together leather pieces, strips, or layers; Reinforcing or stiffening leather by means of reinforcing layers [1, 2006.01]
- 7/06 • Leather webs built up of interengaged strips or pieces, e.g. by braiding [1, 2006.01]
- 9/00 **Making driving belts or other leather belts or strips [1, 2006.01]**
- 11/00 **Finishing the edges of leather pieces, e.g. by folding, by burning [1, 2006.01]**
- 13/00 **Shredding hides or leather [1, 2006.01]**
- 15/00 **Mechanical treatment of furs [1, 2006.01]**
- 15/02 • Shearing; Removing dead or coarse hairs or bristles by shearing or plucking [1, 2006.01]
- 15/04 • Fur dressing [1, 2006.01]
- 15/06 • • Fur-stretching devices [1, 2006.01]
- 15/08 • Application of reinforcing or stiffening layers to fur skins [1, 2006.01]
- 15/10 • Cutting furs; Making fur plates or strips [1, 2006.01]
- 15/12 • Finishing, e.g. pointing furs; Producing designs or patterns [1, 2006.01]
- 17/00 **Details of apparatus or machines for manufacturing or treating skins, hides, leather, or furs [1, 2006.01]**
- 17/02 • Blading cylinders or other working cylinders, e.g. slicking or scraping cylinders [1, 2006.01]
- 17/04 • Work-supports or other counter-pressing elements; Bed rolls or counter-pressing rolls [1, 2006.01]
- 17/06 • Work feeding or clamping devices [1, 2006.01]
- 17/08 • • Fastening devices, e.g. clips for leather-stretching [1, 2006.01]
- 17/10 • Arrangements for driving parts of leather-working machines [1, 2006.01]
- 17/12 • Safety devices specially adapted for leather-working machines [1, 2006.01]
- 17/14 • Auxiliary devices for leather-working machines, e.g. grinding devices for blading cylinders or dust-removal devices combined with the working machines [1, 2006.01]
- 19/00 **Hand tools specially adapted for the treatment of hides, skins, or leather in the manufacture of leather or furs (equipment or tools for saddlery B68C) [1, 2006.01]**
- 21/00 **Splitting intestines; Cutting intestines longitudinally (cleaning or cutting intestines during processing of meat A22C 17/00) [1, 2006.01]**
- 99/00 **Subject matter not provided for in other groups of this subclass [2006.01]**

**C14C TREATING SKINS, HIDES OR LEATHER WITH CHEMICALS, ENZYMES OR MICROORGANISMS, e.g. TANNING, IMPREGNATING OR FINISHING; APPARATUS THEREFOR; COMPOSITIONS FOR TANNING (bleaching of leather or furs D06L; dyeing of leather or furs D06P)**

**Subclass index**

PRETREATMENT.....	1/00
TANNING; PASTING; IMPREGNATING.....	3/00, 7/00, 9/00
DEGREASING.....	5/00
FINISHING; SPECIAL LEATHERS.....	11/00, 13/00
APPARATUS.....	15/00
SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....	99/00

- 1/00 **Treating skins or hides with chemicals, enzymes or microorganisms prior to tanning [1, 2006.01]**
- 1/02 • Curing raw hides [1, 2006.01]
- 1/04 • Soaking [1, 2006.01]
- 1/06 • Facilitating unhairing, e.g. by painting, by liming [1, 2006.01]
- 1/08 • Deliming; Bating; Pickling; Degreasing [1, 2006.01]
- 3/00 **Tanning; Compositions for tanning [1, 2006.01]**
- 3/02 • Chemical tanning [1, 2006.01]
- 3/04 • • Mineral tanning [1, 2006.01]
- 3/06 • • • using chromium compounds [1, 2006.01]
- 3/08 • • by organic agents [1, 2006.01]
- 3/10 • • • Vegetable tanning [1, 2006.01]
- 3/12 • • • • using purified or modified vegetable tanning agents [1, 2006.01]
- 3/14 • • • Fat tanning; Oil tanning [1, 2006.01]
- 3/16 • • • using aliphatic aldehydes [1, 2006.01]
- 3/18 • • • using polycondensation products or precursors thereof [1, 2006.01]
- 3/20 • • • • sulfonated [1, 2006.01]
- 3/22 • • • using polymerisation products [1, 2006.01]
- 3/24 • • • using lignin derivatives, e.g. sulfate liquor [1, 2006.01]
- 3/26 • • • using other organic substances, containing halogen [1, 2006.01]
- 3/28 • • Multi-step processes [1, 2006.01]
- 3/30 • • using physical means combined with chemical means [1, 2006.01]
- 3/32 • Recovering tanning agents from leather [1, 2006.01]
- 5/00 **Degreasing leather [1, 2006.01]**
- 7/00 **Chemical aspects of pasting processes [1, 2006.01]**
- 9/00 **Impregnating leather for preserving, waterproofing, making resistant to heat or similar purposes [1, 2006.01]**
- 9/02 • using fatty or oily materials, e.g. fat liquoring [1, 2006.01]
- 9/04 • Fixing tanning agents in the leather [1, 2006.01]

**11/00** Surface finishing of leather [1, 2006.01]  
**13/00** Manufacture of special kinds of leather, e.g.  
vellum [1, 2006.01]  
13/02 • Manufacture of technical leather [1, 2006.01]

**15/00** Apparatus for chemical treatment or washing of  
hides, skins, or leather [1, 2006.01]  
**99/00** Subject matter not provided for in other groups of  
this subclass [2006.01]