28	Tanning, hide treatment, leather working
28a	Chemical treatment and working of hides, skins and leather, including natural and artificial tanning materials and mixtures, impregnating and curing of leather
28b	Mechanical treatment of hides, skins and leather in general; dyeing of hides and leather; making drive belts; fur shearing machines and dressing; tanning apparatus, mechanical section
28a	Chemical treatment and working of hides, skins and leather, including natural and artificial tanning materials and mixtures, impregnating and curing of leather
	Preliminary treatment of hides for tanning
28a-1 28a-2	Curing, soaking, sweating, liming and depilating of raw hides (28b; 66a-7) De-liming, bating, cleaning, pickling and de-pickling as well as other preliminary
	treatment of hides for tanning
200.2	Tanning of hides in general
28a-3 28a-4	Vegetable and mineral tanning, combination, alum and oil tanning Quick tanning, general, as well as under pressure and in vacuum
	Special tanning processes
28a-5	Tanning with electricity
28a-6	Tanning with special chemicals, e.g. formaldehyde, sulfite cellulose liquor, also manufacture of artificial tanning mixtures, (manufacture of single chemical compounds with tanning characteristics 12o, 12p, 12q)
28a-7	Partial tanning, tanning of prepared hides
28a-8	Manufacture of special leather articles, such as industrial leathers, tyres, stuffing-box packings, leather belts, gut leather, tennis racket strings (leather substitute of animal hide, flesh and leather wastes without binder addition 39b-26/01)
	Dressing leather
28a-9	Impregnating, oiling, hardening, preserving and degreasing of leather (22g-5; 23c-1; 28b-13)
28a-11	Pattern application by tanning (8m-10; 75b-11; 75b-19), artificial graining by special chemical pretreatment of leather by a tanning process (28b-18; 75c-5)
28a-12	Dressing of fur skins, chemical section; bleaching of furs
28a-13	Natural tanning agents, their chemical extraction and purification, recovery of tanning agents by the de-tanning of leather (de-tanning of leather as pretreatment of glue materials 22i-3)
28b	Mechanical treatment of hides, skins and leather in general; dyeing of hides and leather; making drive belts; fur shearing machines and dressing; tanning apparatus, mechanical section (chemical section 28a; saddlery 56a; manufacture of footwear 71c)
28b-1/01 28b-1/02 28b-1/03	Machines for fleshing and depilating hides and skins Machines for fleshing and depilating hides and skins in general (28a-1; 66a-7) Machines for fleshing and depilating with drum segment mounting Disk and band-knife fleshing machines
28b-2	Fleshing and depilating machines with holding drum, and with cylindrical or conical work tables
28b-3	Fleshing and depilating machines with horizontal tables, inclined tables or rows of tables

	Hide, skin and leather-scouring machines
28b-4	Processes and machines for scouring, stretching and sammying of hides and leather in general
28b-5	Leather scouring machines with cylindrical work table
28b-6	Leather scouring machines with inclined tables or tables in rows
28b-7/01	Leather stretching frames, leather clamps
28b-7/02	Fur and hide stretchers
	Machines for setting out, paring, skiving and splitting hides, skins and leather
28b-8	Machines for setting out of the leather grain (28b-4 – 28b-7)
28b-9	Leather paring and skiving machines
28b-10/01	Methods and machines for splitting hides and leather, including devices for embossing the measurements of measuring machines for hides, etc., in general (leather area measuring machines 42c-13)
28b-10/02	Band-knife splitting machines
28b-11/01	Machines and devices for cutting, stamping and perforating of leather and similar soft substances; clicking knives for leather, also for shoe soles and heel lifts (71c-31; 71c-32; 71c-27/00 – 71c-33/02) in general(28b-22)
28b-11/02	Revolution presses
28b-11/03	Preparation of work base blocks
28b-11/04	Punching tools
28b-11/05	Perforating tools
28b-11/06	Cutting and milling machines
	Rolling, hammering, softening, smoothing, grinding, ornamenting and rolling up of leather, hides and skins
28b-12/01	Leather rollers as working machines, leather rolling units
28b-12/02	Leather hammers
28b-13	Leather suppling and softening apparatus, e.g. staking, fulling and graining machines (28a-9)
28b-14	Methods and devices for smoothing, pressing, smoothing and rubbing of leather, scudding; squeezing out, spreading out and smoothing of hides
28b-15	Leather grinding machines
28b-16	Graining, shagreening and brushing machines for leather
28b-17	Machines and devices for dyeing, oiling, bating, lacquering, filling, degreasing, impregnating and drying of hides, skins and leather (dyeing of leather, chemical section 8m-10; dressing, chemical section 28a-9 – 28a-12; free drying of hides, skins, and leather 82a)
28b-18	Machines and devices for producing designs on leather; butt rollers (28a-11; 28a-12; 75b-11; 75b-19; 75d-21)
28b-19	Machines for rolling up and packing leather
	Manufacture of leather belts
28b-20	Methods and machines for making leather belts, e.g. drive belts, harness straps, belt laces, etc.; rounding of leather belts (structure of drive belts 47d-2; saddlery tools 56a-4)
28b-21	Stretching machines and frames for leather belts
28b-22/01	Cutting, perforating, punching and milling machines for leather belts and strips (28b-11)
28b-22/02	Spiral cutting machines
28b-23	Leather skiving and splitting machines with circular knives, bell knives
28b-24/01	Leather skiving and splitting machines with straight or curved knives (66b-15) and fixed, reciprocating or swinging splitting knife
28b-24/02	Leather skiving and splitting machines with disk knife or milling head
28b-24/03	Leather skiving and splitting machines with band knife

28b-24/04	Bevelling of belt ends
28b-25/01	Fur-shearing machines, depilating (3e-6, 3e-13/00), general
28b-25/02	Fur-plucking machines
28b-25/03	Furrier machines, fur dressing, drying of hides
28b-25/04	Making hide webs and strips
28b-25/05	Fur finishing (8b)
28b-25/06	Fur dyeing (chemical section 8m-10)
28b-26	Tanning, hide and leather working tools
28b-27/01	Rotary tanning drums and stretching frames for leather
28b-27/02	Tanning and liming pits
28b-27/03	Liquoring devices for tanning agents (28a-13)
28b-27/04	Gas release valves for tanning barrels
28b-27/05	Conveying devices
28b-27/06	Reversing gears for tanning barrels
28b-28/01	Pressing and shaping of leather (28b-11; working of leather edges: folding, overlapping, singeing, smoothing, polishing, dyeing 71c-15; 71c-7/00 – 71c-7/24)
28b-28/02	Knife and other working rollers as machine elements (28b-1 – 28b-6; 28b-8 – 28b-10)
28b-28/03	Workpiece abutments, abutment rollers, supports for hide and leather working machines (28b-1 – 28b-6; 28b-8 – 28b-10)
28b-28/04	Artificial leather and machines for its manufacture, disintegrating of leather pieces, also glue stock cutting machines (8h; 8l; 8n; 39a; 39b)
28b-28/05	Making surface patterns and plaits of leather
28b-28/06	Making special leather products, excluding 28b-28/04, 28b-28/05
28b-28/07	Repairing, patching leather pieces
28b-28/20	Miscellaneous devices and methods for the mechanical treatment of hides, skins and leather