

UNIVERSAL DECIMAL CLASSIFICATION

ENGLISH FULL EDITION

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UDC 685
TRAVEL, SPORTS, GAMES
AND OTHER EQUIPMENT

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In order to keep abreast of progress British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, which may be purchased from BSI Sales Department. It may also be consulted in many public libraries and similar institutions.

Attention is drawn to the following British Standards:

- BS 1000A Universal Decimal Classification. Abridged English Edition.
Details of the trilingual '10-Year Supplement to Abridged UDC Editions' are given on page 33
- BS 1000C Guide to the Universal Decimal Classification (UDC).
- BS 1000 Universal Decimal Classification. English Full Edition.
- BS 1000 [0] General introduction. Auxiliary tables. UDC 0 Generalities
 - BS 1000 [1] UDC 1 Philosophy
 - BS 1000 [355] UDC 355 Military art and science
 - *BS 1000 [37] UDC 37 Education. Teaching. Training. Leisure.
 - BS 1000 [38/382] UDC 38/382 Trade. Commerce.
 - BS 1000 [39] UDC 39 Ethnology. Ethnography.
 - BS 1000 [50/53] UDC 50 General works on pure science. UDC 51 Mathematics. UDC 52 Astronomy. Geodesy. UDC 53 Physics.
 - BS 1000 [614] UDC 614 Public health. Accident prevention.
 - BS 1000 [615] UDC 615 Pharmaceutics. Therapeutics. Toxicology.
 - BS 1000 [616] UDC 616 Pathology.
 - *BS 1000 [62/62-9] UDC 62/62-9 Engineering in general. Characteristics and components of machines, materials and products.
 - BS 1000 [622/623] UDC 622 Mining and mineral dressing. UDC 623 Military and naval engineering. Ordnance. Arms production.
 - *BS 1000 [629] UDC 629 Transport vehicle engineering.
 - BS 1000 [636/639] UDC 636/639 Animal breeding. Animal produce. Hunting. Fishing.
 - BS 1000 [64] UDC 64 Home economics.
 - BS 1000 [67/673] UDC 67/673 Various industries, trades and crafts.
 - BS 1000 [674] UDC 674 Timber and woodworking industry.
 - BS 1000 [675] UDC 675 Leather industry.
 - *BS 1000 [677] UDC 677 Textile and cordage industries.
 - *BS 1000 [681/681.4] UDC 681/681.4 Precision mechanisms. Instrument making.
 - *BS 1000 [682/683] UDC 682/683 Smithery. Ironmongery.
 - BS 1000 [684] UDC 684 Furniture and allied trades.
 - BS 1000 [687] UDC 687 Clothing industry. Articles of toilet.
 - BS 1000 [688/689] UDC 688/689 Fancy goods. Toys. Hobbies.
 - BS 1000 [69] UDC 69 Building. Materials, construction, trades.
 - *BS 1000 [7/72] UDC 7/72 The arts in general. Physical planning. Architecture.
 - BS 1000 [73/76] UDC 73/76 Fine and applied arts.
 - BS 1000 [79] UDC 79 Recreation. Entertainment. Amusements. Pastimes.

* In course of preparation

British Standards are revised, when necessary, by the issue either of separate amendments or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI reference relates to the work on this standard:
Committee reference OC/20/4

CO-OPERATING ORGANIZATIONS

The Documentation Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific, technical and professional organizations:

*Aslib	Ministry of Defence
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British National Film Catalogue	Ealing Technical College (School of Librarianship)
British Steel Industry	Royal Institution of Chartered Surveyors
Classification Research Group	United Kingdom Atomic Energy Authority
	University College London (School of Librarianship)

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UNIVERSAL DECIMAL CLASSIFICATION

ENGLISH FULL EDITION

UDC 685 TRAVEL, SPORTS, GAMES AND OTHER EQUIPMENT

FOREWORD

The English version of the Universal Decimal Classification (UDC) is being prepared and published as BS 1000 by the British Standards Institution (BSI) at the original joint request of the British Society for International Bibliography (BSIB) and the Association of Special Libraries and Information Bureaux (ASLIB), now amalgamated as Aslib. The first English full edition is the fourth international edition authorized by the Fédération Internationale de Documentation (FID) and has the approval of the Education Foundation, Lake Placid Club, New York, proprietors of the Dewey Decimal Classification, from which the UDC derives.

This section is part of the English full edition and existing and prospective users are strongly advised not to use it in isolation but in conjunction with the Abridged English Edition, BS 1000A. The abridged edition refers to many other subjects of interest to users which are not listed in this schedule and it provides a conspectus of the whole scheme, together with an introduction to its use. For further practical information about the principles, application and utilization of the scheme, users should refer to BS 1000C 'Guide to the Universal Decimal Classification (UDC)'. A survey of UDC editions in English and other languages will be found on page 31 of this volume.

Because BSI is making every effort to complete the first English full edition of the UDC by publishing without delay those parts of BS 1000 which are lacking, it is possible that some errors, imperfections and inconsistencies will be found in this section. The Institution would like to emphasize however that every user has the opportunity to submit suggestions for improvements; these will be welcomed and considered by the appropriate bodies. Improvements involving major changes in the order and arrangement of the classification can only be introduced by international agreement (*via* the British Standards Institution) but criticisms of terminology, translation, etc., affecting the English edition as such can be dealt with by BSI.

This edition of UDC 685 'Travel, sports, games and other equipment' includes modifications authorized in 'Extensions and Corrections to the UDC' up to and including Series 7, No. 5, dated March 1971. It is emphasized that the UDC is under continuous revision, and that to keep the schedules up to date it is necessary to consult subsequent issues of 'Extensions and Corrections', further information on which is given on page 34. Numbers that have previously been published in UDC English editions and subsequently cancelled are printed in smaller type.

SCOPE

At 685.1 are classed documents on saddlery and harness making for riding, draught and other working purposes, for horses and other tractable animals; it includes spurriery and whip making, but not shoeing.

685.2 covers the production of belts, baldrics and other accoutrements, and 685.3 that of various kinds of footwear including conventional boots and shoes, clogs, skates, snowshoes, skis and special aids for the disabled. At 685.4 is classed gloving and the making of all kinds of hand coverings. 685.5 covers the production of travel goods including luggage and other containers, camping equipment including tents and various portable utilities, and umbrellas and walking sticks.

At 685.6/.8 is classed equipment for sports and athletic games, climbing, swimming, and board and table games. For most of the activities classed at 794/799, there are corresponding divisions of 685.6/.8 for the associated equipment, accessories and installations. 79 denotes primarily the activities, 685 the production of material goods.

RELATED SUBJECTS

"374"	Rest and leisure time. Playtime – Common auxiliaries of time	380.8	Tourist trade
		391.4	Individual garments and accoutrements – National costume
.006.2	Training fields, sports and parade grounds etc – Common auxiliaries of point of view	531.716.3	Tape measures – Measurement of magnitudes
175	Ethics and recreation		
355	Military art and science	614.8	Accidents. Risks or hazards. Prevention etc
379.8	Leisure – Education etc		

615.4	Medical materials and outfits – Pharmaceutics. Therapeutics	681.1	Wheel mechanisms. Clockwork. Counting, computing and control devices
615.8	Physiotherapy – Pharmaceutics. Therapeutics	682.1	Farriery. Shoemaking
616–089.2	Manipulation. Apparatus – Pathology	684.761	Rainproof covers. Tents etc
619	Veterinary medicine	687	Clothing industry. Articles of toilet
623.4	Arms. Artillery. Ordnance etc – Military and naval engineering	688/689	Fancy goods. Toys. Hobbies
629	Transport vehicle engineering	69.033	Dismantlable, transportable and temporary buildings
636.083	Care of animals – Animal breeding etc	7.022.8	Accommodation – Arts in general
64	Home economics	725.8	Public entertainment and recreation buildings
672	Articles of iron and steel	739.7	Armoury – Art metalwork
674	Timber and woodworking industry	79	Recreation. Entertainment. Amusements. Pastimes
675	Leather industry		
677.744	Lashes for whips etc – Ropes and cordage	910.22	Equipment. Instruments. Baggage. Clothing – Travel – Geography

NOTES ON AUXILIARY SIGNS AND SUBDIVISIONS*

Colon sign of relation. To prevent scattering of information on important recurrent concepts and for general ease of cross reference, maximum use of the colon (rather than auxiliary numbers) is recommended, especially for published abstracts, bibliographies or other documents with a wide circulation.

This necessitates a longer notation, however, and for libraries or private collections, with adequate alphabetical subject indexes, the use of suitable auxiliary numbers, where available, may provide a simpler and more convenient solution.

Common auxiliaries. The common subdivisions of language =, form (0...), place (1/9), time "...", and point of view .00..., given in the tables of auxiliary signs and subdivisions* are all applicable throughout the whole of section 685, but should only be used to express concepts not otherwise provided for in the schedule.

Special auxiliaries. Special auxiliary subdivisions have been developed for 685.31, 685.32, 685.531 and 685.55. These are applicable also to all subdivisions of the number at which they are listed, as long as they form a meaningful combination, e.g.

685.31.051	Tools and equipment for manual shoemaking
685.311.051	Tools and equipment anciently used in the manual production of footwear
685.312.051	Tools and equipment currently used in the manual production of modern footwear
685.312.211.051	Tools and equipment used in the manual production of lace-up shoes

They are not, however, transferable to other co-ordinate numbers or their subdivisions; for instance, .051 has a different meaning at 685.531 from that at 685.31.

The special hyphen auxiliaries listed at 62 are applicable to the subdivisions of 685 where appropriate and to express meanings not otherwise provided for, e.g.

685.31.052–8	Machines and equipment for mechanized shoe manufacture, according to motive power
685.31.052–83	Electrically driven shoemaking machines

EXPLANATION OF OTHER SYMBOLS USED IN THE SCHEDULE

The arrow → is used to mean either 'see' or 'see also' according to the context and form of reference, and is employed after the text of cancelled numbers to indicate the number at which the concept has been relocated.

The symbol ≡ is used to mean 'subdivide as' and indicates that the number preceding it may be further subdivided in the same way as, and with meanings analogous to the subdivisions of, the number which follows it.

*The phrase 'auxiliary signs and subdivisions' is often abbreviated to 'auxiliaries'. Further information about the common auxiliary signs and subdivisions may be found in:

BS 1000A: 1961 'Universal Decimal Classification: Abridged English Edition'. Contains tables of the auxiliaries and brief notes about their use as well as a general introduction to the UDC and an abridgement of the whole scheme.

BS 1000C: 1963 'Guide to the Universal Decimal Classification (UDC)'. Among other things, gives detailed information about the significance and use of the auxiliaries.

SCHEDULE

685 TRAVEL, SPORTS, GAMES AND OTHER EQUIPMENT

Principal Divisions

685.1 SADDLERY. HARNESS MAKING

Special auxiliary subdivision	685.127.3	For three-horse sledges, for Russian (troika) style
685.1.05 Saddler's tools	.128	Special harness for particular kinds of animal (ponies, mules, asses) or vehicle (floats, parade vehicles)
Principal divisions (continued)		
685.11 VEHICLE SEATS. VEHICLE COVERS ETC		
→629.11.011.7 Dashboards, splash leathers etc – Transport vehicle engineering	685.14	HARNESS MAKING. SADDLES AND HARNESS FOR WORKING HORSES AND OTHER EQUINES
.111 Vehicle seats		→636.083.32 Yoking Devices – Care of animals
.112 Vehicle covers. Splash leathers		636.083.7 Harness – Care of animals
685.12 SADDLERY IN THE STRICT SENSE. SADDLES AND HARNESS FOR RIDING AND COACH HORSES	.141	Saddles
→636.083.7 Harness – Care of animals	.142	Pack saddles. Panniers
685.15 Spurriery. Spur, stirrup making	.143	Head harness. Collars, hames, housings.
798 Equine sports	.144	Halters, bridles, reins and accessories. Blinkers
.121 Saddles	.145	Equipment for draught animals
.1 Large antique saddles	.146	Draught harness
.2 Small antique saddles	.147	Cart harness
.3 Modern leather saddles. Saddle trees. Saddle bows. Saddle pads	.148	Sledge harness
.31 English saddles	685.15	Special purpose harness. Parade harness etc
.32 French saddles	.151	SPURRIERY. SPUR, STIRRUP MAKING
.33 Turkish saddles		Spurs
.35 Side saddles		<i>For spurs as boot and shoe components</i>
.5 Special types of saddle	.2	→685.312.187
.52 Saddles with air cushions	.3	Fixing and attachment of spurs
.53 Saddles with spring cushions	.4	Removable spurs
.56 Adjustable saddles. Pack saddles		Tilting spurs. Rowel holder attached movably to the bow
.122 Saddle accessories	.152	Stirrups and accessories
.2 Saddle cloths and protective cloths	.2	Fixed stirrups
.4 Undercushions for saddles	.3	Releaseable stirrups. Safety stirrups
.6 Belly bands. Pack saddle belts. Girth belts. Belt tensioners	.6	Attaching the stirrups to the saddle. Stirrup straps, stirrup leathers
.123 Head harness. Bridles, reins and accessories. Blinkers	.7	Pouches and carrying attachments on military saddles <i>e.g.</i> rifle holsters, scabbards
→636.083.32/.34 Yoking, unyoking devices etc–Care of animals	.153	Bits
	.154	Accessories for bridles, harnesses etc, <i>e.g.</i> buckles, rings
.124 Special riding equipment		→672.83 Fasteners. Buckles etc – Articles of iron and steel
.1 For short outings		Metal ornaments for saddles and harnesses.
.2 For journeys		Brass ornaments for harnesses, saddles, vehicles etc. Horse brasses. Bosses etc
.3 For hunting	.155	Grips and handles for vehicles
.4 For military sorties and war purposes		
→623.445 Protective equipment. Armour – Military engineering	.156	
.125 Draught harness	685.16	SPECIAL HARNESS MAKING. EQUIPMENT FOR ANIMALS OTHER THAN EQUINES
→636.083.32 Yokes, halters etc – Care of animals		For bovines: oxen, bullocks, buffaloes etc
.126 Coach harness	.161	For pack oxen
.1 For one-horse carriages		For draught oxen. Yokes
.2 For two- and three-horse carriages with lateral shafts. Horses in tandem	.2	For dogs
.3 For two- and three-horse carriages with central pole or thill. Parade harness	.162	For pack-carrying dogs
.4 For four-horse carriages, four-in-hand (driven by one man on the box)	.1	For draught dogs
.6 For four-horse carriages <i>à la Daumont</i> (carriage and four with two postillions)	.2	For sledge dogs
	.3	Dog collars. Dog leads
.127 Sledge harness	.4	Muzzles
.1 For one-horse sledges	.5	For reindeer
.2 For two-horse sledges	.163	For llamas
	.164	For camels
	.165	

685.165.1	TRAVEL, SPORTS, GAMES AND OTHER EQUIPMENT	685.31
685.165.1	For Bactrian camels. Riding and pack harness	685.173
.2	For dromedaries. Riding and pack harness	
.3	For war camels. For <i>heiris</i> or <i>méharis</i> (fast or racing dromedaries). For dromedaries as artillery carriers	Straps, thongs, traces etc made from leather or other materials →675.71 Belting leather. Straps
.4	For draught camels	
.166	For elephants	685.18
.1	For pack elephants	
.2	For war elephants	.181
.3	For draught elephants	
685.17	WHIPS. STRAPS. ACCESSORIES	.182
.171	Whips. Riding whips. Horsecwhips →674.734 Whip stocks – Turnery 677.744 Lashes for whips etc – Ropes and cordage	
.1	Coachmen's whips	.183
.2	Carters' and wagoners' whips	
.3	Hunting whips	.184
.4	Rods of cane, steel, whalebone or leather with plaited coverings of cotton, cord, gut, silk etc. Riding whips	
.172	Saddlebags →685.514 Saddlebags. Knapsacks. Satchels	.185
		OTHER EQUIPMENT ASSOCIATED WITH SADDLERY AND HARNESS MAKING Equipment for training, breaking in, dressage →636.088 Training of animals – Animal husbandry Restraining apparatus, <i>e.g.</i> for use in shoeing, veterinary surgery →619 Veterinary medicine 682.1 Farriery. Shoemsmithing Equipment for transporting and loading animals. Devices for supporting or holding fast on board ships Equipment for carrying wounded. Litters, pack saddles →614.88 Assistance in cases of accidents (ambulances, stretchers etc) Equipment for carrying sick persons. Wheeled chairs, litters etc

685.2 ACCOUTREMENTS. BELTMAKING. LEATHER AND OTHER EQUIPMENT

	→675.4 Chamois tannage	685.228	Buckles and other decorative features on belts
	675.71 Belting leather		
	685.3 Boot- and shoemaking	685.23	EQUIPMENT SUPPORTED BY THE SHOULDER. SASHES ETC
	685.4 Gloving. Glovemaking		Sashes
685.21	DIFFERENT KINDS OF ACCOUTREMENTS	.231	Shoulder straps for swords, baldrics. Shoulder holsters etc
.211	Civilian	.232	Bandoliers for ammunition (cartridges, grenades etc) →623.457.52 Cartridge bags, belts etc – Ammunition – Military engineering
.212	Military	.233	Rifle slings, straps etc
.213	Hunting		Braces (for supporting the clothing)
685.22	EQUIPMENT WHICH GRIPS THE WAIST. BELTS ETC	685.24	EQUIPMENT FOR PROTECTING THE ARMS AND HANDS
.221	Ordinary leather belts	.234	Oversleeves. Arm protectors
.222	For gymnastic, athletic use. Gym belts →685.641.44 Support garments and devices – Sports, games equipment	.235	Muffs (for the hands) →675.622.2 Fur muffs – Fur dressing 685.432 Mittens. Muffs – Gloving
	687.14 Sports clothes – Clothing industry	.241	
	796.022.7 Sports clothing – Athletic sports	.242	
.223	Life belts →614.862 Passenger safety and protection		
.224	Military belts. Sword belts. Cartridge belts. Holster belts →623.457.52 Cartridge bags, belts etc – Ammunition – Military engineering	685.25	EQUIPMENT FOR PROTECTING THE BODY
.225	Belts denoting rank, <i>e.g.</i> officers' belts with shoulder straps ('Sam Browne')	.251	Leather aprons
.226	Belts with attachments, <i>e.g.</i> suspender belts	.252	Padded breastplates, chest protectors, <i>e.g.</i> plastrons for fencers
.227	Fabric and other decorative or ornamental belts	.253	Leather waistcoats
		.254	Life jackets. Swimming jackets →614.818.3 Life jackets – Accident prevention

685.3 FOOTWEAR AND OTHER AIDS TO LOCOMOTION

→355.665.3 Footwear – Military science	685.31	BOOT- AND SHOEMAKING
391.4 Shoes – National costumes		<i>Further particulars may be denoted by the common auxiliaries of point of view, e.g.</i>
675 Leather industry		685.31.004.67 Repairs. Mending. Shoe repairing

Special auxiliary subdivisions for 685.31

685.31.02 WORK PROCESSES

685.31.02 $\cong$ 685.31.05

685.31.03 RAW MATERIALS: LEATHER, FIBROUS MATERIALS, RUBBER, WOOD ETC. ACCESSORIES: WAXED THREAD, LACES, EYELETS, NAILS

Further particulars may be denoted by colon combination, e.g.

685.31.03:675.061.1 Hide leather for shoe manufacture

685.31.05 TOOLS, MACHINES

.051

Tools and equipment for manual shoemaking. Measuring devices. Lasts. Boot trees. Shoe-making tools

- .2 Measuring devices
- .22 Foot measuring devices
- .23 Measuring devices for lasts
- .25 Measuring devices for inside measurements, heel heights and heel positioning
- .3 Lasts etc for shoemaking and for shoe repairing
- .32 Trees etc for the treatment and maintenance of shoes. Stretchers. Boot trees. Fillers
→646.88 Shoe trees – Home economics
- .33 Devices for stretching shoes in particular areas
- .34 Inflatable lasts
- .36 Devices for inserting and slipping lasts
- .37 Wedge closures for shoe lasts
- .5 Work jacks for shoemaking
- .6 Cutting tools
- .62 Shoemaker's knives
- .65 Tools for removing tack ends from the inside of shoes
- .7 Awls
- .8 Rasps
- .9 Other tools and instruments e.g. stitch spacers, various containers

.052 **Machines and equipment for mechanized shoe manufacture**

- .1/.2 Production of uppers
- .1 Cutting machines, presses, patterns etc
- .12 Machines for cutting out upper leather. Upper leather presses. Oblique cutting machines
- .13 Crimping and perforating machines and presses
- .14 Patterns for cutting legs and uppers
- .15 Patterns for making upper leather cuts
- .16 Press knives for upper leather. Punches. Punching machines
- .2 Marking, folding and polishing machines
- .22 Machines for marking seams and button holes
- .24 Machines for folding and pleating upper leather edges
- .26 Machines for polishing and burnishing upper leather edges
- .3 Machines for shaping and affixing toecaps and counters, inserting stiffeners, toepuffs etc. Presses for cutting stiffeners
- .4 Machines for trimming: skiving uppers, splitting sole backparts, shaping of heel seat parts on loose soles
- .5 Blocking, fulling machines. Crimping tongs
- .6 Presses for folding leather
- .053 **Machines for shaping and stretching upper leather**
 - .1 Machines for shaping the upper over a last by stitching
 - .2 Machines for preparing upper leather for shaping
 - .22 Machines for marking upper seams and button holes. Machines for temporary lacing and buttoning of uppers and legs prior to placing on the last
 - .23 Clamps for holding the edges of the quarters together during assembly

685.31.053.24

.242

Devices and machines for folding the edges of the quarters or the dies, or edges of the legs
Machines for turning over and hammering the upper

.244

Back seam rubbing machines

.25

Devices for marking the places for buttons and button-holes on the reverse of the upper or leg

.26

Machines and devices for buttoning, lacing, forming and mulling

.262

Buttoning machines

.263

Lacing machines

.264

Devices for affixing the tongue or gusset while on the last

.265

Machines for forming the toes or backparts by means of heated moulds

.266

Steaming devices for the toes of shoes

.28

Machines for removing lasting tacks

.3

Automatic devices for lengthwise stretching of the upper leather lying free on the last

.38

Toecap measuring devices for pulling-over machines

.4

Manual pulling-over and lasting, drawing the leather on the last by hand

.42

Lasting pincers

.48

Attachments on lasting pincers. Tacking, riveting devices. Magnets

.5

Machine lasting. Machines and devices for putting the leather on the last. Pulling-over and lasting machines

.51

Using string, wire or staples to secure the upper.

.52

With sewing devices

.52

With one pincer

.53

With several pincers

.532

With tilting measuring sticks

.534

For stretching both sides in turn

.536

For wood sole shoes

.54

With pressing plates. Folding devices

.55

With tools for bending, in particular for moulding the toe and backpart on the last, for tightening, rubbing, hammering

.56

Toe and backpart lasting machines with tack feeders

.57

With lasting pincers and folding and pressing plates

.58

With lasting pincers and bridge plates

.6

Devices for sole pressing. Material feeders. Last supports. Devices for ensuring pincer functioning in lasting and pulling-over machines

.7

Shoe holders for pulling-over machines and for lengthwise stretching machines

.9

Various details and parts of pulling-over and lasting machines. Devices for slitting and notching upper leather

.054

Machines for production of soles and heels and for their preparation for attachment to shoes

.2

Cementing and vulcanizing machines. Presses for the manufacture and attachment of soles and heels

.22

Devices for applying cement to shoe components

.23

Devices for bonding insoles and upper leather and for sticking soles

.24

Devices for sticking heels and heel breasts

.25

Machines for filling shoe bottoms

.3

Sole and heel cutting and arch forming machines

.32

Machines for trimming soles and heels attached to the shoe bottom. Press knives

.33

Machines for trimming the seat of heels for soles attached to the shoe bottom

.34

Machines for trimming sole leather stuck to the heel breast

.37

Machines for producing soles from wound strips or tapes

.38

Machines for producing shank fillers

685.31.054.4

TRAVEL, SPORTS, GAMES AND OTHER EQUIPMENT

685.312.1

- 685.31.054.4 Machines and devices for heel production
- .42 Machines for the simultaneous cutting and stacking of heel lifts
- .44 Top-piece gauges and top-piece magazines
- .45 Removal of top-pieces from a stack
- .5 Sole levelling and pressing machines
- .52 Sole presses incorporating moulds, for loose or attached soles. Sole laying machines
- .56 Loose sole roughing machines
- .57 Machines for making sheet fillers
- .58 Machines for attaching shanks
- .6 Machines for forming sewn welts and sewing ribs on soles, and for preparing soles before attachment (scoring, grooving, bevelling)
- .62 Machines for producing sewing ribs on soles and for various other forms of preparation of soles for attachment to bottom
- .65 Machines for making soles flexible, reinforcing insoles, slitting, stitch hole punching
- .7 Machines for preparing welts
- .71 Machines for laying welts and rands
- .72 Upper beating machines
- .73 Machines for slashing the welt attached to the upper leather
- .8 Machines for carrying out various subsequent operations
- .83 Inseam rubbing machines
- .86 Welt end fastening machines
- .87 Machines for rasping off lasting margin for McKay work
- .89 Other machines
- .055 **Machines for attaching welts, rands and soles to shoes**
- .2 Tack devices. Tack machines
- .21 Hand tack devices
- .22/.27 Tack machines
- .22 For individual tacks or attachments
- .222 For headed tacks
- .223 For staples etc
- .224 For staple tacking. Tacking pincers
- .225 For fixing the upper leather of wooden soled shoes with nails or staples
- .23 For cutting tacks or attachments from a metal band or wire
- .232 For cutting tacks
- .235 For making staples
- .24 For wooden nails
- .25 For cutting wooden nails from a strip
- .26 For nails of other materials
- .27 Tack feeds on pulling-over and lasting machines
- .3 Details of tack devices
- .32 Tack feed
- .34 Drive for horn movement and for the tack cutting device in the horn
- .39 Other details
- .4 Machines for attaching soles and heels with screw wire or screws
- .6 Stitching machines
- .8 Devices for direct vulcanization of soles and heels
- .9 Various other processes and devices for attaching welts, rands and soles
- .056 **Shoe turning machines. Machines for attaching heels**
- .2 Shoe turning machines
- .4 Heel presses. Heel nailing machines
- .5 Nailing machines for building heels from lifts
- .6 Heel presses without nailing devices. Machines for pressing single heel lifts and punching nail holes in heels
- .8 Machines for top-piece nail attaching
- .057 **Finishing machines for uppers, soles and heels of soled shoes**

- 685.31.057.2 Edge and heel trimming. Machines for cutting heel fronts
- .3 Sole moulding machines with levelling rollers
- .4 Indentation devices. Machines for marking stitch holes
- .5 Wheeling machines. Machines for imprinting imitation stitching
- .6 Shoe finishing machines. Scouring machines. Polishing machines
- .61 Treering machines
- .62 Devices for suppling, softening, moistening, damping and drying
- .63 Devices for polishing, ironing and finishing shoes with pneumatic lasts
- .64 Branding and stamping machines (for trade marks, size and pattern details etc)
- .65 Channel closing machines. Bottom finishing machines. Machines for colouring and other chemical treatments of shoe bottoms
- .7 Machines for driving in heel and sole protectors, for nailing on heel tips
- .8 Polishing tools and accessories. Nap removing tools, beetles, smoothing irons, tools for milling the edge of the sole etc
- .82 Polishing tools
- .87 Heating devices for burnishing and polishing tools
- .9 Other machines for polishing shoes
- .92 Sole and heel polishing machines
- .95 Edge polishing machines, also with wheeling devices
- .96 Bottom polishing
- .97 Waxing devices
- .058 **Machines for insertion of eyelets, buttons, lace hooks, gussets**
- .2 Punching and eyeletting machines
- .22 In general
- .23 For inserting blind and invisible eyelets
- .24 Machines for simultaneous insertion of two eyelets in two layers of material laid one on the other
- .3 Eyelet button attachers
- .32 In general
- .35 Devices for separating buttons
- .4 Lace hook attaching machines
- .5 Elastic gusset inserting machines
- .059 **Various other devices for shoe manufacture**
- .2 Machines with automatic transport of the shoes on inseam stitching. Lockstitch, lasting, nailing machines
- .3 Machines for producing out-lasting shoes (in which the edge of the upper is turned outwards)
- .4 Devices for measuring, sorting, selecting cut-out leather components, e.g. sorting heel lifts by thickness
- .5 Machines for dismantling crooked heels

Principal divisions (continued)

685.311 **ANTIQUE SHOES AND FOOTWEAR. SANDALS. STAGE SHOES: COTHURNI, BUSKINS (OF TRAGIC DRAMA), SOCCI, 'SOCKS' (OF COMIC DRAMA), BOOTS. HALF OR ANKLE BOOTS. MULES. SLIPPERS. LONG-POINTED SHOES, CRAWOWES. POULAINES**

685.312 **MODERN SHOES. GENERAL PURPOSE FOOTWEAR. COMPONENTS**

685.312.1 **COMPONENTS. SOLES, HEELS, WELTS, LEGS, UPPERS, COUNTERS, BACK-STRAPS, SEAMS AND BACK STITCHING, EYELETS**

- 685.312.11 **General construction. Sole and heel attachment**
- .113 Screws as attachments for soles
 - .114 Sole tabs for attaching to heel breast
 - .116 Support angles for heels
 - .12 **Soles**
 - .121 Leather soles
 - .122 Other soles
 - .2 Leather soles with metal inserts etc
 - .3 Metal soles
 - .4 Wooden soles, rigid or hinged. Roller soles. Wooden soles with inserts. Wooden lasts drawn up on a wire. Tongued and grooved wooden sectional soles. Insertable stretcher lasts. Wooden strips fastened to leather, steel, wood, board etc. Block wooden soles → 685.32 Wooden shoes
 - .6 Rubber soles. Rubber soles with inserts. Leather and other soles with rubber inserts. Crêpe soles. Rubber soles in leather welts or with leather strips. Rubber pieces on soles. Soles made from regenerated rubber
 - .9 Plastics soles
 - .123 Soles according to design and manufacture
 - .2 For easy removal and replacement
 - .3 Piece soles
 - .4 Pneumatic soles
 - .5 Flexible soles
 - .6 Sprung soles
 - .124 Insoles
 - .2 Padded insoles
 - .6 Bottom fillers. Materials for filling the space between the insole and the outsole
 - .125 Shoe welts
 - .126 Sock linings. Removable soles
 - .2 Wedge-shaped inserts, pneumatic or springy
 - .3 Pneumatic sock linings
 - .4 Sock linings with ventilation
 - .5 Sock linings for hygienic purposes, *e.g.* for perspiring feet. Waterproof sock linings
 - .6 Inserts for altering the interior shoe contour. Instep supports etc
→ 685.314.473 Shoes with built-in instep raisers
 - .7 Sock linings shaped and hollowed to conform to the contours of the foot
 - .8 Sock linings with toecaps and seat stiffeners, heel grips
 - .127 Sock linings of special materials
 - .2 Sock linings with metal inserts, electrically heated
 - .3 Sock linings with metal springs
 - .4 Wooden sock inserts
 - .8 Foam rubber socks etc
 - .128 Devices for securing the sock lining in the shoe
 - .13 **Heels**
 - .132 Leather heels
 - .133 Rubber heels
 - .2 Stretchable rubber top-pieces
 - .3 Suction pads etc on rubber top-pieces
 - .4 Heels and top-pieces made from regenerated rubber
 - .5 Heels and top-pieces made from combinations of leather and rubber
 - .6 Heels and top-pieces made from combinations of hard and soft rubber
 - .7 Rubber heels and rubber top-pieces with protective inserts on the wear surface
 - .8 Non-splash top-pieces
 - .135 Heels of various other materials
 - .9 Of plastics
 - .136 Sprung and pneumatic heels and heel supports
 - .2 Sprung and pneumatic heels
 - 685.312.136.4 Heels with metal springs
 - .6 Sprung heel supports
 - .137 Replaceable heels and top-pieces
 - .3 Replaceable corner, rim reinforcements, single and multi-layer
 - .4 Slot-in heels and top-pieces, dove-tail fixing etc. Attachment by screws, spring plates, latch-pins, spring-pins etc
 - .5 Replaceable rubber top-pieces without special means of attachment, removed by bending the top-piece
 - .7 Replaceable heel parts fixed with a single common attachment
 - .8 Hollow metal heels with replaceable top-pieces
 - .138 Screw-on heels
 - .139 Attachment of heel parts
 - .1 By claw plates. Securing with screws, nails, springs etc
 - .2 By pins
 - .3 Attachment from underneath. Securing with displaceable pins, wedges or hooks
 - .4 By press studs etc
 - .5 By keyhole locking
 - .6 By bayonet fastening
 - .7 By clamp frame
 - .8 By retaining rings
 - .9 By collar-type retainers
 - .14 **Uppers and upper components**
 - .142 Uppers. Legs. Leather substitutes
 - .2 Uppers. Legs
 - .4 One piece uppers, including those with gussets
 - .6 Waterproof uppers
 - .143 Counters. Heel stiffeners
 - .3 Of metal
 - .144 Toepuffs
 - .3 Of impregnated material, plastics etc
 - .9 Of metal
 - .145 Other shoe components
 - .2 Shoe straps, thongs (fixed to the shoe). Eyelets
→ 685.318 Footwear accessories
 - .4 Built-in devices for pulling on shoes, boots
 - .146 Tacks. Rivets. Pins. Sprigs. Cramps. Staples
 - .16 **Closures. Buckles. Clasps**
 - .18 **Metal components and fittings**
 - .182 Heel irons, including shank plates
 - .183 Protective fittings for soles and heels
 - .2 Studs. Nails. Screws
 - .3 Plates. Sole protectors
 - .4 Rubber-, leather- and felt-headed fittings
 - .5 Wire fittings
 - .184 Toe protectors and other protective devices
 - .2 Detachable metal protective soles
 - .4 Toe fittings. Protective caps for the forepart of the shoe
 - .185 Anti-slip, gripping devices (mountaineering, sporting etc)
 - .2 Fixed to the sole. Running spikes. Clinkers, welt nails etc
 - .3 Fixed to the heel. Clinkers, crampons, spikes for ice climbing, rock climbing, tobogganning
 - .4 Chains or mesh
 - .5 Small detachable anti-slip bars or strips
 - .6 Ice-spikes, crampons which clamp on to the heel
 - .7 Wire claws
 - .8 Anti-slip devices with removable spikes
 - .187 Spurs (as components of boots, shoes)
For spurs as separate accessories → 685.151
 - .2 Fastening. Attaching
 - .3 Releaseable fastening
 - .4 Removable spurs
 - .189 Various other metal fittings