

**INTERNATIONAL
PATENT
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**SECTIONS
D-H**

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INTERNATIONAL PATENT CLASSIFICATION 1974 (SECOND EDITION)

**SECTIONS
D-H**



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TEXTILES AND FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D 01 NATURAL OR ARTIFICIAL THREADS OR FIBRES; SPINNING

(metal threads B 21; fibres or filaments of softened glass, minerals, or slag C 03 B 37/00; yarns D 02)

Explanatory note

In this class, the following words are used with the meanings indicated:

- (a) "fibre" means a relatively-short, elongated member of natural or artificial material.
- (b) "filament" means an endless or quasi-endless, elongated member of natural or artificial material.
- (c) "yarn" means a unitary assembly of fibres, usually produced by spinning.
- (d) "thread" means an assembly of yarns or filaments, usually produced by twisting.

D 01 B MECHANICAL TREATMENT OF NATURAL FIBROUS OR FILAMENTARY MATERIAL TO OBTAIN FIBRES OR FILAMENTS, e.g. FOR SPINNING (crude extraction of asbestos fibres from ores B 03 B; apparatus for retting D 01 C)

Note

Attention is drawn to the note following the class title (D 01).

Sub-class Index

TREATMENT OF PLANT MATERIAL

Separation of fibres from plant material	1/00
Hackling or heckling machines	5/00

1/00	Mechanical separation of fibres from plant material, e.g. seeds, leaves, stalks
1/02	Separating vegetable fibres from seeds, e.g. cotton
1/04	Ginning
1/06	Roller gins, e.g. Macarthy type
1/08	Saw gins
1/10	Separating vegetable fibres from stalks or leaves
1/12	Rippling
1/14	Breaking or scutching, e.g. of flax; Decorticating
1/16	with devices dependent on a bending action to break or loosen fibre-bearing materials (crushing rollers 1/22)
1/18	with stamping devices
1/20	with scraping devices
1/22	with crushing or breaking rollers or plates
1/24	with toothed or other pointed devices
1/26	with beaters rotating about an axis parallel with the fibre bundle
1/28	with beaters rotating about an axis perpendicular to the fibre bundle
1/30	Details of machines
1/32	Feeding arrangements
1/34	Devices holding fibres or fibre-bearing materials during treatment
1/36	Conveying devices, e.g. moving bands or ropes
1/38	Delivery or discharge arrangements
1/40	Arrangements for disposing of non-fibrous materials
1/42	employing liquids
1/44	Framework; Casings; Coverings; Grids
1/46	Driving arrangements
1/48	Drying retted fibres
1/50	Obtaining fibres from other specified vegetable matter, e.g. peat, Spanish moss

TREATMENT OF ANIMAL FIBRES

De-burring, washing, scouring	3/00
Obtaining silk fibres	7/00
OTHER TREATMENTS	9/00

3/00	Mechanical removal of impurities from animal fibres (carbonising rags to recover animal fibres D 01 C 5/00)
3/02	De-burring machines or apparatus (de-burring arrangements forming part of or intimately associated with carding or drafting machines, e.g. burr-crushing rollers, D 01 G)
3/04	Machines or apparatus for washing or scouring loose wool fibres
3/06	with circular movement of either wool or liquid
3/08	with longitudinal movement of either wool or liquid
3/10	Details of machines or apparatus
5/00	Hackling or heckling machines (hand heckling tools D 01 G 33/00)
5/02	Details
5/04	Apparatus for feeding, holding, or conveying materials to or in machines
5/06	Construction, mounting, or operating features of heckling devices
5/08	Arrangements for removing or disposing of tow or waste
5/10	Touch pins or other ending devices
5/12	Framework; Casings; Coverings
5/14	Driving arrangements
5/16	Arrangements for confining or removing dust or the like
7/00	Obtaining silk fibres or filaments
7/02	Cleaning or classifying silk cocoons
7/04	Reeling silk
7/06	Obtaining silk from cocoons or portions thereof not suitable for reeling (de-gumming silk D 01 C 3/02)
9/00	Other mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments

D 01 C CHEMICAL TREATMENT OF NATURAL FILAMENTARY OR FIBROUS MATERIAL TO OBTAIN FILAMENTS OR FIBRES FOR SPINNING; CARBONISING RAGS TO RECOVER ANIMAL FIBRES**Note**

Attention is drawn to the note following the class title (D 01).

1/00	Treatment of vegetable material	3/02	De-gumming silk
1/02	. by chemical methods to obtain bast fibres		
1/04	. Bacteriological retting		
3/00	Treatment of animal material, e.g. chemical scouring of wool (recovery of lanolin or wool wax C 11 B 11/00)	5/00	Carbonising rags to recover animal fibres (chemical removal of vegetable impurities from threads or fabrics of animal fibres D 06 M)

D 01 D MECHANICAL METHODS AND APPARATUS IN THE MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FIBRES, BRISTLES OR RIBBONS**Note**

Attention is drawn to the note following the class title (D 01).

Sub-class Index**MECHANICAL TREATMENT OF FILAMENT-FORMING MATERIAL**

1/00

PRODUCTION OF ARTIFICIAL FIBRES**Methods**

5/00

Spinnerets; formation of filaments; collecting the newly-spun products

3/00; 5/00; 7/00

Supporting newly-spun products during after-treatment

9/00

Other operations

11/00

COMPLETE MACHINES; DETAILS

13/00; 3/00, 7/00; 9/00, 11/04

1/00	Treatment of filament-forming or like material (producing films or tubes of plastic material B 29 D)	5/24	. with a hollow structure (producing tubes of plastic material B 29 D)
1/02	. Preparation of spinning solutions	5/26	. discontinuously for production of staple fibre
1/04	. Melting filament-forming substances	5/28	. while mixing different spinning solutions or melts during the spinning operation
1/06	. Feeding liquid to the spinning head (constructions of pumps F 04)		
1/08	. Pressure regulation	7/00	Collecting the newly-spun products (winding, coiling, or depositing filamentary material in general B 65 H 54/00; collecting newly-spun products with the imparting of twist D 01 H)
1/10	. Filtering or de-aerating the spinning solution or melt		
3/00	Spinnerets (alloys therefor C 22 C)	9/00	Supporting newly-spun artificial filaments, threads, thread bundles, or the like during their after-treatment
5/00	Formation of filaments, threads, or the like	9/02	. on bobbins
5/02	. Starting the formation	9/04	. as cakes or similar coreless thread packages
5/04	. Dry spinning methods	9/06	. as hanks
5/06	. Wet spinning methods	9/08	. while in continuous movement (forwarding filamentary material B 65 H 51/00)
5/08	. Melt-spinning methods	9/10	. as staple fibres
5/10	. using organic materials		
5/12	. Stretch-spinning methods (finishing by stretching D 02 J 1/22)	11/00	Other features of manufacture
5/14	. with flowing liquid-stretching media	11/02	. Opening bundles to space the threads or filaments from one another
5/16	. using rollers, or like mechanical devices, e.g. snubbing pins (forwarding filamentary material B 65 H 51/00)	11/04	. Fixed guides (guides for filamentary material in general B 65 H 57/00)
5/18	. by means of rotating spinnerets	11/06	. Coating with spinning solutions or melts
5/20	. with varying denier along their length		
5/22	. with a crimped or curled structure; with a special structure to simulate wool (producing crimped or curled effects in filaments or threads after formation D 02 G 1/00)	13/00	Complete machines for producing artificial threads
		13/02	. Elements of machines in combination

D 01 F CHEMICAL FEATURES IN THE MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FIBRES, BRISTLES OR RIBBONS**Note**

Attention is drawn to the note following the class title (D 01).

Sub-class Index			
GENERAL PROCESSES		From synthetic resins	6/00
FILAMENTS AND MANUFACTURE THEREOF		From other materials	9/00
		Multicomponent filaments	8/00
From cellulose or derivatives; from proteins	2/00; 4/00	POST-TREATMENT, RECOVERY OF STARTING MATERIAL	11/00, 13/00
1/00 General methods for the manufacture of artificial filaments or the like		6/12 . . . from polymers of fluorinated hydrocarbons	
1/02 . . Addition of substances to the spinning solution or to the melt (addition of substances to viscose 2/08 to 2/20)		6/14 . . from polymers of unsaturated alcohols, e.g. polyvinyl alcohol, or of their acetals or ketals	
1/04 . . Pigments		6/16 . . from polymers of unsaturated carboxylic acids or unsaturated organic esters, e.g. polyacrylic esters, polyvinyl acetate	
1/06 . . Dyes		6/18 . . from polymers of unsaturated nitriles, e.g. polyacrylonitrile, polyvinylidene cyanide	
1/08 . . Agents forming hollow filaments		6/20 . . from polymers of cyclic compounds with one carbon-to-carbon double bond in the side chain	
1/10 . . Other agents for modifying properties		6/22 . . from polystyrene	
2/00 Monocomponent artificial filaments or the like of cellulose or cellulose derivatives; Manufacture thereof		6/24 . . from polymers of aliphatic compounds with more than one carbon-to-carbon double bond	
2/02 . . from solutions of cellulose in acids, bases or salts		6/26 . . from other polymers	
2/04 . . from cuprammonium solutions		6/28 . . from copolyaddition products of unsaturated compounds	
2/06 . . from viscose (preparation of alkali cellulose C 08 B)		Note For the purposes of groups 6/30 to 6/96, the percentage for determining the major constituent is expressed in mole percent.	
2/08 . . Composition of the spinning solution or the bath (preparing and dissolving cellulose xanthate C 08 B)		6/30 . . comprising olefins as the major constituent	
2/10 . . . Addition to the spinning solution or spinning bath of substances which exert their effect equally well in either		6/32 . . comprising halogenated hydrocarbons as the major constituent	
2/12 . . . Addition of delustring agents to the spinning solution		6/34 . . comprising unsaturated alcohols, acetals or ketals as the major constituent	
2/14 . . . Addition of pigments		6/36 . . comprising unsaturated carboxylic acids or unsaturated organic esters as the major constituent	
2/16 . . . Addition of dyes to the spinning solution		6/38 . . comprising unsaturated nitriles as the major constituent	
2/18 . . . Addition to the spinning solution of substances to influence ripening		6/40 . . Modacrylic fibres, i.e. containing 35 to 85% acrylonitrile	
2/20 . . . for the manufacture of hollow threads		6/42 . . comprising cyclic compounds containing one carbon-to-carbon double bond in the side chain as major constituent	
2/22 . . by the dry spinning process		6/44 . . from mixtures of addition polymers as major constituent with other polymers or low molecular weight compounds	
2/24 . . from cellulose derivatives		6/46 . . of polyolefins	
2/26 . . from nitrocellulose		6/48 . . of polymers of halogenated hydrocarbons	
2/28 . . from organic cellulose esters or ethers, e.g. cellulose acetate		6/50 . . of polyalcohols, polyacetals or polyketals	
2/30 . . . by the dry spinning process		6/52 . . of polymers of unsaturated carboxylic acids or unsaturated esters	
3/00 (transferred to 2/00, 11/00, 13/00)		6/54 . . of polymers of unsaturated nitriles	
4/00 Monocomponent artificial filaments or the like of proteins; Manufacture thereof		6/56 . . of polymers of cyclic compounds with one carbon-to-carbon double bond in the side chain	
4/02 . . from fibroin		6/58 . . from homopolycondensation products	
4/04 . . from casein		6/60 . . from polyamides (from polyamino acids or polypeptides 6/68)	
4/06 . . from globulins, e.g. groundnut protein		6/62 . . from polyesters	
5/00 (transferred to 4/00, 11/00, 13/00)		6/64 . . from polycarbonates	
6/00 Monocomponent artificial filaments or the like of synthetic polymers; Manufacture thereof		6/66 . . from polyethers	
6/02 . . from homopolyaddition products of unsaturated compounds		6/68 . . from polyaminoacids or polypeptides	
6/04 . . from polyolefins		6/70 . . from polyurethanes	
6/06 . . from polypropylene			
6/08 . . from polymers of halogenated hydrocarbons			
6/10 . . from polyvinyl chloride or polyvinylidene chloride			

6/72 . . . from polyureas	9/00 Artificial filaments of other substances; Manufacture thereof
6/74 . . . from polycondensates of cyclic compounds, e.g. polyimides, polybenzimidazoles	9/02 . . . of reaction products of rubber with acids or acid anhydrides, e.g. sulphur dioxide
6/76 . . . from other polycondensation products	9/04 . . . of alginates
6/78 . . . from copolycondensation products	9/06 (transferred to 11/00)
6/80 . . . from copolyamides	9/08 . . . of inorganic material (from softened glass, minerals or slags C 03 B 37/00; incandescent bodies F 21 H, H 01 K 1/02, 3/02)
6/82 . . . from polyester amides or polyether amides	9/10 . . . by decomposition of organic substances
6/84 . . . from copolyesters	9/12 . . . Carbon filaments
6/86 . . . from polyetheresters	9/14 . . . by decomposition of organic filaments
6/88 . . . from mixtures of polycondensation products as major constituent with other polymers or low molecular weight compounds	9/16 . . . Cellulose or cellulose derivatives
6/90 . . . of polyamides	9/18 . . . Proteins, e.g. wool
6/92 . . . of polyesters	9/20 . . . Polyaddition or polycondensation products
6/94 . . . of other polycondensation products	9/22 . . . Polyacrylonitrile
6/96 . . . from other synthetic polymers	
7/00 (transferred to 6/00, 8/00, 11/00, 13/00)	
8/00 Conjugated, i.e. bi- or multicomponent, artificial filaments or the like; Manufacture thereof	11/00 Chemical after-treatment of artificial filaments or the like during manufacture (finishing D 06 M)
8/02 . . . from cellulose, cellulose derivatives or proteins	11/02 . . . of cellulose, cellulose derivatives or proteins
8/04 . . . from synthetic polymers	11/04 . . . of synthetic polymers
8/06 . . . with at least one polyolefin as constituent	11/06 . . . of polyaddition products of unsaturated compounds
8/08 . . . with at least one polyacrylonitrile as constituent	11/08 . . . of polycondensation products
8/10 . . . with at least one other polyaddition product of unsaturated compounds as constituent	11/10 . . . of carbon
8/12 . . . with at least one polyamide as constituent	13/00 Recovery of starting material, waste material or solvents during the manufacture of artificial filaments or the like
8/14 . . . with at least one polyester as constituent	13/02 . . . of cellulose, cellulose derivatives or proteins
8/16 . . . with at least one other polycondensation product as constituent	13/04 . . . of synthetic polymers
8/18 . . . from other substances	

D 01 G PRELIMINARY TREATMENT OF FIBRES, e.g. FOR SPINNING (winding or unwinding, conducting or guiding laps, webs, slivers or rovings in general, sliver or roving cans, depositing in sliver or roving cans B 65 H; preparation of fibres for paper-making D 21)

Note

Attention is drawn to the note following the class title (D 01).

Sub-class Index

OPERATIONS BEFORE CARDING; MACHINES THEREFOR

Opening fibre bales; separating and sorting of fibres; opening or cleaning fibres 7/00; 5/00; 9/00

Severing of continuous filaments; roughening of fibres 1/00; 3/00

Recovery of fibres by breaking-up fibre-containing articles 11/00

Mixing of fibres, or of fibres with non-fibrous materials 13/00

CARDING OR SUBSEQUENT OPERATIONS; MACHINES THEREFOR

Feeding or conveying fibres for machines; lap-forming; lap-winding; lubricating fibres 23/00; 25/00; 27/00; 29/00

Carding and burr-crushing, combing 15/00, 19/00

SILK-DRESSING; TREATMENT OF OAKUM 17/00, 35/00

MISCELLANEOUS

Combination of machines or processes for continuous processing 21/00

Warning or safety devices 31/00

Hand tools for treatment of fibres 33/00

OTHER PRELIMINARY TREATMENTS 37/00

1/00 **Severing continuous filaments or long fibres, e.g. stapling**

1/02 . . . to form staple fibres not delivered in strand form

1/04 . . . by cutting

1/06 . . . Converting tows to slivers or yarns, e.g. in direct spinning (drafting arrangements, twisting arrangements D 01 H)

1/08 . . . by stretching or abrading

1/10 . . . by cutting

3/00 **Roughening of fibres**

5/00 **Separating, e.g. sorting, fibres** (separating fibres of differing lengths in silk-dressing machines 17/00; in combing machines 19/00)

7/00	Breaking or opening fibre bales	15/18	Workers; Strippers; Doffers (doffers specially adapted for web dividing 15/54)
7/02	. by means of beater arms		
7/04	. by means of toothed members		
7/06	. Details of apparatus or machines	15/20	Feed rollers; Takers-in
7/08	. Arrangements for feeding bales to comminuting elements	15/22	Fancies
7/10	. Arrangements for discharging fibres	15/24	Flats or like members
7/12	. Framework; Casings; Coverings; Grids	15/26	Arrangements or disposition of carding elements
7/14	. Driving arrangements	15/28	Supporting arrangements for carding elements; Arrangements for adjusting relative positions of carding elements
9/00	Opening or cleaning fibres, e.g. scutching cotton (scutching flax or like fibres D 01 B; making cellulose wadding in paper-making machines D 21 F 11/14)	15/30	Bends
9/02	. by agitation within a moving receptacle	15/32	Framework; Casings; Coverings
9/04	. by means of beater arms	15/34	Grids; Dirt knives; Angle blades
9/06	. by means of toothed members	15/36	Driving or speed control arrangements
9/08	. by means of air draught arrangements	15/38	for use during the grinding of card clothing
9/10	. using foraminous cyclinders (foraminous suction cylinders for lap-forming 25/00)	15/40	Feeding apparatus (fibre-feeding apparatus of general application to fibre-treating machines, e.g. hopper feeders, 23/00)
9/12	. Combinations of opening or cleaning machines	15/42	Feeding from laps
9/14	. Details of machines or apparatus	15/44	Intermediate feeds
9/16	. Feeding arrangements (fibre-feeding apparatus of general application in fibre-treating machines 23/00)	15/46	Doffing or like arrangements for removing fibres from carding elements; Web-dividing apparatus; Condensers (lap-forming devices 25/00; fibre condensing guides D 01 H 5/72)
9/18	. Arrangements for discharging fibres	15/48	Stripping-combs
9/20	. Framework; Casings; Coverings; Grids	15/50	Stripping-rollers or like devices
9/22	. Driving arrangements	15/52	Web-dividing arrangements
11/00	Disintegrating fibre-containing articles to obtain fibres for re-use	15/54	employing doffers specially adapted for web dividing
11/02	. Opening, unravelling, or teasing ropes or like fibrous strands to obtain fibres for re-use	15/56	employing tapes
11/04	. Opening rags to obtain fibres for re-use (mechanical treatment of rags for paper-making D 21 B)	15/58	Sliver or like rubbing apparatus
		15/60	Constructions of rubbing leathers
		15/62	Slubbing-winding apparatus (winding apparatus of general application to the winding of filamentary material B 65 H)
13/00	Mixing, e.g. blending, fibres; Mixing non-fibrous materials with fibres (mixing of fibres combined with other operations, e.g. bale-breaking or fibre-opening, see appropriate groups for such operations)	15/64	Drafting or twisting apparatus associated with doffing arrangements or with web-dividing apparatus
		15/66	with arrangements inserting false twist (false twist devices D 01 H)
		15/68	with arrangements inserting permanent twist, e.g. spinning
15/00	Carding machines and accessories; Card clothing; Burr-crushing or removing arrangements associated with carding or other preliminary treatment machines (de-burring apparatus or machines operating independently D 01 B)	15/70	Arrangements for producing decorative or fancy effects in products
15/02	. Carding machines	15/72	Arrangements for returning waste to be re-carded
15/04	. with worker and stripper or like rollers operating in association with a main cylinder	15/74	Air draught arrangements (air draught arrangements for stripping or for removing dust or fly 15/76)
15/06	. Garnett machine	15/76	Stripping or cleaning carding surfaces; Maintaining cleanliness of carding area
15/08	. with flats or like members or endless card sheets operating in association with a main cylinder	15/78	Arrangements for stripping flats
		15/80	Arrangements for stripping cylinders or rollers
15/10	. with other apparatus, e.g. drafting devices, in integral or closely-associated combination (web-dividing apparatus 15/46; burr-crushing or removing arrangements 15/94)	15/82	Arrangements for confining or removing dust, fly, or the like
15/12	. Details	15/84	Card clothing; Manufacture thereof not otherwise provided for (arrangements for driving carding-machine elements during grinding 15/38; grinding card clothing B 24 B)
15/14	. Constructional features of carding elements, e.g. for facilitating attachment of card clothing	15/86	with flexible non-metallic backing
		15/88	formed from metal sheets or strips
		15/90	Lags, e.g. for jute cards
15/16	. Main cylinders; Breasts	15/92	Attaching card clothing to carding elements

15/94	. Burr-crushing or removing arrangements	23/06	. Arrangements in which a machine or apparatus is regulated in response to changes in the volume or weight of fibres fed, e.g. piano motions (arrangements in which draft is regulated in response to irregularities in fibre supply D 01 H)
15/96	. Burr-crushing rollers		
15/98	. Morel or like apparatus		
17/00	Silk-dressing machines		
19/00	Combing machines	23/08	. Air draught or like pneumatic arrangements
19/02	. with pinned circles, e.g. Noble		
19/04	. with pinned cylinders, e.g. rectilinear		
19/06	. Details	25/00	Lap-forming devices not integral with machines specified above (forming mats or batts of continuous filaments for non-woven fabrics D 04 H)
19/08	. Feeding apparatus		
19/10	. Construction, mounting, or operating features of combing elements		
19/12	. Devices for laying or holding fibres in combs, e.g. dabbing brushes	27/00	Lap or sliver winding devices, e.g. for products of cotton scutchers, jute cards, or worsted gill boxes (winding apparatus of general application for the winding of filamentary material B 65 H)
19/14	. Drawing-off and delivery apparatus		
19/16	. Nipper mechanisms	27/02	. with lap-roll or the like loaded to provide firm packages
19/18	. Roller, or roller and apron, devices, e.g. operating to draw-off fibres continuously	27/04	. with automatic discharge of lap-roll or the like
19/20	. operating to draw-off fibres intermittently		
19/22	. Arrangements for removing or disposing of noil or waste	29/00	Arrangements for lubricating fibres, e.g. in gill boxes (processes involving the use of particular lubricants D 06 M 15/00)
19/24	. Framework; Casings; Coverings		
19/26	. Driving arrangements		
19/28	. Air draught or like pneumatic arrangements	31/00	Warning or safety devices, e.g. automatic fault detectors, stop motions (safety devices of general application F 16 P; indicating devices of general application G 08 B)
19/30	. Heating arrangements		
21/00	Combinations of machines, apparatus, or processes, e.g. for continuous processing (1/06, 9/12, 15/46, 15/94 take precedence)	33/00	Hand tools for treatment of fibres
23/00	Feeding fibres to machines; Conveying fibres between machines (21/00 takes precedence; intermediate feeds in carding machines 15/40)	35/00	Treatment of oakum
23/02	. Hoppers; Delivery shoots	37/00	Other preliminary treatment of fibres
23/04	. with means for regulating rate of feed		

D 01 H SPINNING OR TWISTING (unwinding, paying-out, forwarding, winding, or coiling filamentary material, not intimately associated with spinning or twisting B 65 H; cores, formers, supports or holders for coiled or wound material, e.g. bobbins; B 65 H; twisting oakum D 01 G 35/00; crimping or curling of fibres, filaments, or yarns D 02 G 1/00; making chenille D 03 D, D 04 D 3/00; testing yarns, rovings, slivers, fibres, or fibre webs G 01)

Note

Attention is drawn to the note following the class title (D 01).

Sub-class Index

SPINNING OR TWISTING MACHINES

With continuous wind-up; with intermittent wind-up	1/00; 3/00
Drafting; twisting	5/00; 7/00

COMMON STRUCTURAL FEATURES, DETAILS, OR ACCESSORIES

Replacing bobbins; confining or removing dust or fly	9/00; 11/00
Other structural features, details, or accessories	13/00
Piecing arrangements; hand tools	15/00; 17/00

Kinds or types of spinning or twisting machines; Drafting machines or arrangements; Twisting arrangements

1/00	Spinning or twisting machines in which the product is wound-up continuously	1/14	. from a strand, i.e. break spinning
1/02	. Ring type	1/16	. Details (drafting arrangements 5/00; twisting arrangements 7/00)
1/04	. Flyer type	1/18	. Framework; Casings; Coverings
1/06	. Cap type		. Supports for supply packages (package supports of general application for supplying filamentary material B 65 H)
1/08	. Cup, pot, or disc type, in which annular masses of yarn are formed by centrifugal action	1/20	. Driving or stopping arrangements (safety devices 13/14)
1/10	. for imparting multiple twist, e.g. two-for-one twisting	1/22	. for rollers (regulating or varying draft 5/32)
1/12	. and twist is inserted into groups of independently-moving fibres separated or broken	1/24	. for twisting arrangements, e.g. spindles (braking arrangements for spindles)

- 7/22; interrelated flyer and bobbin drive mechanisms 7/50)
- 1/241 driven by belt
- 1/242 driven by toothed wheels
- 1/243 driven by friction discs
- 1/244 each spindle driven by an electric motor
- 1/26 with two or more speeds; with variable speed arrangements
- 1/28 for two or more machine elements possessing different characteristics but in operative association
- 1/30 with two or more speeds; with variable speed arrangements
- 1/32 for complete machines
- 1/34 with two or more speeds; with variable speed arrangements
- 1/36 Package-shaping arrangements, e.g. building motions
- 1/38 Arrangements for winding reserve lengths of yarn on take-up packages, e.g. transfer tails
- 1/40 Arrangements for connecting continuously-delivered material to bobbins or the like (arrangements for securing yarn to bobbins, cores, or the like of general application in the winding of filamentary material B 65 H)
- 1/42 Guards or protectors for yarns or threads, e.g. separator plates, anti-ballooning devices (anti-ballooning devices on spindles 7/18; anti-ballooning devices in winding apparatus B 65 H 59/00)
- 3/00 **Spinning or twisting machines in which the product is wound-up intermittently, e.g. mules**
- 3/02 Details (drafting arrangements 5/00; twisting arrangements 7/00)
- 3/04 Carriages; Mechanisms effecting carriage movements
- 3/06 Carriages; Carriage rails; Squaring motions
- 3/08 Drawing-out or taking-in motions
- 3/10 Moving-creel arrangements, e.g. for twiners (creels of general interest in providing a supply of filamentary material B 65 H)
- 3/12 Package-shaping motions; Faller arrangements
- 3/14 Roller-driving arrangements (drafting arrangements of general application in spinning machines 5/18)
- 3/16 Spindle-driving arrangements (spindles, spindle bearings, spindle supports 7/04)
- 3/18 Tin rollers; Driving arrangements intimately associated with tin rollers
- 3/20 Spindle-driving arrangements during drawing-out or backing-off
- 3/22 Spindle-driving arrangements during taking-in
- 3/24 Quadrant motions; Nosing motions
- 3/26 Driving or stopping arrangements not otherwise provided for; Locking motions (safety devices 13/14)
- 5/00 **Drafting machines or arrangements (arrangements in which draft is dependent on linear movement of take-up spindles, e.g. in mules, 3/00)**
- 5/02 Gill boxes or other drafting machines employing fallers or like pinned bars (lubricating fibres in gill boxes D 01 G 29/00)
- 5/04 with pinned bars actuated by screw members
- 5/06 intersecting gill boxes
- 5/08 with bars connected by links, chains, or the like
- 5/10 with pinned bars unconnected with each other but actuated through pressure of one against another
- 5/12 Details
- 5/14 Pinned bars
- 5/16 Framework; Casings; Coverings
- 5/18 Drafting machines or arrangements without fallers or like pinned bars
- 5/20 in which fibres are controlled by contact with stationary or reciprocating surfaces
- 5/22 in which fibres are controlled by rollers only
- 5/24 with porcupines or like pinned rotary members
- 5/26 in which fibres are controlled by one or more endless aprons
- 5/28 in which fibres are controlled by inserting twist during drafting (mules 3/00; constructions of false-twist devices D 02 G 1/04)
- 5/30 incorporating arrangements for severing continuous filaments, e.g. in direct spinning (converting tows to slivers or yarns D 01 G 1/06)
- 5/32 Regulating or varying draft
- 5/34 by manual adjustments
- 5/36 according to a pre-arranged pattern, e.g. to produce slubs
- 5/38 in response to irregularities in material
- 5/40 employing mechanical time-delay devices
- 5/42 employing electrical time-delay devices
- 5/44 Adjusting drafting elements, e.g. altering ratch
- 5/46 Loading arrangements
- 5/48 using weights
- 5/50 using springs
- 5/52 using fluid pressure
- 5/54 using magnetic arrangements
- 5/56 Supports for drafting elements (saddles or top roller arms forming essential components of weighting arrangements 5/48)
- 5/58 Arrangements for traversing drafting elements (traversing arrangements for roving guides 13/06)
- 5/60 Arrangements maintaining drafting elements free of fibre accumulations
- 5/62 Non-rotary cleaning pads or plates; Scrapers
- 5/64 Rollers or aprons with cleaning surfaces
- 5/66 Suction devices
- 5/68 Suction end-catchers
- 5/70 Constructional features of drafting elements
- 5/72 Fibre-condensing guides (guides for slivers, rovings, or yarns applicable solely for spinning, twisting, curling, or crimping purposes 13/04; guides of general application for handling filamentary material B 65 H)
- 5/74 Rollers
- 5/76 Loose-boss assemblies

- 5/78 with flutes or other integral surface characteristics
- 5/80 with covers; Cots or covers
- 5/82 Arrangements for coupling roller sections
- 5/84 Porcupines
- 5/86 Aprons; Apron supports; Apron tensioning arrangements
- 5/88 Cradles; Tensors
- 7/00 Twisting arrangements**
- 7/02 for imparting permanent twist
- 7/04 Spindles (spindle bearings, supports therefor, in general F 16 C)
- 7/06 Stationary spindles with package-holding sleeves
- 7/08 Mounting arrangements
- 7/10 Spindle supports; Rails; Rail supports, e.g. poker guides
- 7/12 Bolsters; Bearings
- 7/14 Holding-down arrangements
- 7/16 Arrangements for coupling bobbins or like to spindles
- 7/18 Arrangements on spindles for suppressing yarn balloons (thread guards or protectors 1/42)
- 7/20 Lubricating arrangements
- 7/22 Braking arrangements
- 7/24 Flyer and like arrangements (multiple-twist arrangements 7/86; flyers solely for guiding filamentary material during unwinding B 65 H)
- 7/26 Flyer constructions
- 7/28 arranged to guide material over exterior of legs
- 7/30 with guide channels formed in legs, e.g. slubbing flyers
- 7/32 with pressing devices
- 7/34 with haul pulleys or like arrangements
- 7/36 with traversing devices
- 7/38 Ring flyers
- 7/40 Flyer supports, e.g. rails
- 7/42 Arrangements coupling flyers to spindles
- 7/44 Drag arrangements for bobbins or flyers
- 7/46 Devices attached to or integral with flyers for temporarily increasing twist in material passing to them
- 7/48 Eyes or like guiding arrangements (7/46 takes precedence)
- 7/50 Interrelated flyer and bobbin drive mechanisms, e.g. winding-on motions for cotton roving frames (package building mechanisms 1/36)
- 7/52 Ring and traveller arrangements
- 7/54 with fixed rings
- 7/56 with freely-rotatable rings; with braked or dragged rings
- 7/58 with driven rings
- 7/60 Rings or travellers; Manufacture thereof not otherwise provided for (hand tools for applying travellers to rings 17/02)
- 7/62 Arrangements providing lubricant for travellers
- 7/64 Ring supports, e.g. ring rails (poker guides and other rail supports 7/10)
- 7/66 Cap arrangements
- 7/68 Cap constructions

- 7/70 Arrangements for supporting caps on spindles
- 7/72 Bobbin supporting arrangements, e.g. bobbin rails (poker guides and other rail supports 7/10)
- 7/74 Cup or like arrangements
- 7/76 Rotary discs
- 7/78 Constructions of cups, e.g. spinning boxes
- 7/80 adapted to collect wet yarns
- 7/82 Casings or guards for rotary cups or the like
- 7/84 Spindles or yarn carriers for co-operation with rotary cups (removing yarn from centrifugal cups on to yarn carriers 9/06)
- 7/86 Multiple-twist arrangements, e.g. two-for-one twisting devices
- 7/88 Hollow spindle arrangements (7/86 takes precedence)
- 7/90 Arrangements with two or more twisting devices in combination (7/86, 7/88 take precedence)
- 7/92 for imparting transient twist

Common features or details of, or accessories for, spinning or twisting machines of various kinds or types (drafting arrangements 5/00; twisting arrangements 7/00)

- 9/00 Arrangements for replacing or removing bobbins, cores, receptacles, or completed packages at paying-out or take-up stations** (arrangements of general interest in the winding of filamentary material B 65 H)
- 9/02 for removing completed take-up packages and replacing by bobbins, cores, or receptacles at take-up stations; Transferring material between adjacent full and empty take-up elements
- 9/04 Doffing arrangements integral with spinning or twisting machines
- 9/06 Removing yarn from centrifugal cups on to yarn carriers
- 9/08 Doffing arrangements independent of spinning or twisting machines
- 9/10 Doffing carriages
- 9/12 Manual cop-tube applying apparatus; Stands for cop-tube applying apparatus
- 9/14 for preparing machines for doffing of yarns (stop-motions responsive to delivery of a measured length of material 13/24)
- 9/16 Yarn-severing arrangements
- 9/18 for supplying bobbins, cores, receptacles, or completed packages to, or transporting from, paying-out or take-up stations (9/10 takes precedence)
- 11/00 Arrangements for confining or removing dust, fly, or the like** (independent arrangements B 08 B, F 24 F)
- 13/00 Other common constructional features, details, or accessories**
- 13/02 Roller arrangements not otherwise provided for
- 13/04 Guides for slivers, rovings, or yarns; Smoothing dies (fibre-condensing guides 5/72; guides of general application for handling filamentary material B 65 H)

13/06	. . Traversing arrangements	13/24	. . responsive to delivery of a measured length of material, completion of winding of a package or filling of a receptacle
13/08	. Twist arresters	13/26	. Arrangements facilitating the inspection or testing of yarns or the like in connection with spinning or twisting
13/10	. Tension devices (tension devices of general application to filamentary material B 65 H)	13/28	. Heating or cooling arrangements
13/12	. Arrangements preventing snarls or inadvertent doubling of yarns (suction end-catchers 5/68)	13/30	. Moistening, sizing, oiling, waxing, colouring, or drying yarns or the like as incidental measures during spinning or twisting
13/14	. Warning or safety devices, e.g. automatic fault detectors, stop motions (warning or safety devices for filamentary material, not intimately associated with spinning or like machines B 65 H; safety devices of general application F 16 P; indicating devices of general application G 08 B)	13/32	. Counting, measuring, recording or registering devices (in general in the appropriate class in Section G, e.g. G 01 B)
13/16	. . responsive to reduction in material tension, failure of supply, or breakage, of material	15/00	Piecing arrangements (in machines for producing textile fabrics, see appropriate sub-classes; of general interest in connection with the forwarding or winding of filamentary material B 65 H)
13/18	. . . stopping supply only	17/00	Hand tools (cop-tube applying apparatus 9/12)
13/20	. . responsive to excessive tension or irregular operation of apparatus	17/02	. Arrangements for storing ring travellers; Devices for applying travellers to rings
13/22	. . responsive to presence of irregularities in running material		

D 02 YARNS; MECHANICAL FINISHING OF YARNS OR ROPES; WARPING OR BEAMING

Explanatory note

In this class, the following words are used with the meanings indicated:

- (a) "fibre" means a relatively-short, elongated member of natural or artificial material.
- (b) "filament" means an endless or quasi-endless, elongated member of natural or artificial material.
- (c) "yarn" means a unitary assembly of fibres, usually produced by spinning.
- (d) "thread" means an assembly of yarns or filaments, usually produced by twisting.

D 02 G CRIMPING OR CURLING FIBRES, FILAMENTS, YARNS OR THREADS; YARNS OR THREADS

Note

Attention is drawn to the note following the class title (D 02).

1/00	Producing crimped or curled fibres, filaments, yarns, or threads, giving them latent characteristics (yarns per se 3/00; during formation of artificial filaments, threads, or the like D 01 D 5/22; general aspects of chemical treatment D 06 M)	3/08	Paper yarns or threads
1/02	by twisting, fixing the twist and backtwisting, i.e. by imparting false twist	3/10	Yarns or threads formed from collagenous materials, e.g. catgut
1/04	Devices for imparting false twist	3/12	Threads containing metallic filaments or strips
1/06	Spindles	3/14	Horse-hair threads
1/08	Rollers	3/16	Yarns or threads made from mineral substances
1/10	using knife edges, e.g. heated knife edges, for edge crimping	3/18	from glass or the like
1/12	using stuffer boxes	3/20	from asbestos
1/14	using grooved rollers or gear-wheel-type members	3/22	Yarns or threads characterised by constructional features
1/16	using jets or streams of turbulent gases, e.g. air, steam	3/24	Bulked yarns or threads, e.g. formed from staple fibre components with different relaxation characteristics
1/18	by combining fibres, filaments, or yarns, having different shrinkage characteristics	3/26	with characteristics dependent on the amount or direction of twist
1/20	Combinations of two or more of the above-mentioned operations or devices; After-treatments for fixing crimp or curl	3/28	Doubled, plied, or cabled threads
3/00	Yarns of threads, e.g. fancy yarns; Processes or apparatus for the production thereof, not otherwise provided for (for producing crimped or curled yarns 1/00)	3/30	Crêped or other highly-twisted yarns or threads
3/02	Yarns or threads characterised by the material or by the materials from which they are made	3/32	Elastic yarns or threads
3/04	Blended or other yarns or threads containing components made from different materials	3/34	Yarns or threads having slubs, knops, spirals, loops, tufts, or other irregular or decorative effects, i.e. effect yarns
3/06	Threads formed from strip material other than paper	3/36	Cored or coated yarns or threads (elastic yarns or threads 3/32)
		3/38	Threads in which fibres, filaments, or yarns are wound with other yarns or filaments
		3/40	Yarns in which fibres are united by adhesives; Impregnated yarns or threads
		3/42	Chenille threads
		3/44	Yarns or threads characterised by the purpose for which they are designed
		3/46	Sewing cottons or the like
		3/48	Tyre cords

D 02 H WARPING, BEAMING OR LEASING

Note

Attention is drawn to the note following the class title (D 02).

Sub-class Index		LEASING	9/00
CREELS	1/00	OTHER MACHINES AND METHODS	11/00
WARPING; BEAMING; WARPING AND BEAMING COMBINED	3/00; 5/00; 7/00	DETAILS OF MACHINES	13/00

1/00	Creels, i.e. apparatus for supplying a multiplicity of individual threads	5/00	Beaming machines
3/00	Warping machines	5/02	combined with apparatus for sizing or other treatment of warps (sizing per se D 06 B)

7/00	Combined warping and beaming machines	13/10	. responsive to thread-measuring devices, e.g. stopping the machines when required length of warp has been wound
9/00	Leasing	13/12	. Variable-speed driving mechanisms
9/02	. Lease rods and bands	13/14	. controlled automatically by tension in the warp
		13/16	. Reeds, combs, or other devices for determining the spacing of threads
11/00	Methods or apparatus not provided for in the preceding groups, e.g. for cleaning the warp	13/18	. with adjustable spacing
		13/20	. with fixed spacing
		13/22	. Tensioning devices
13/00	Details of machines of the preceding groups (of general interest for the handling of filamentary material B 65 H)	13/24	. for individual threads
13/02	. Stop motions	13/26	. for threads in warp form (controlling the driving of beams, etc. to keep tension constant 13/14)
13/04	. . responsive to breakage, slackness, or excessive tension of threads, with detectors for individual threads or small groups of threads	13/28	. Warp beams (cloth beams D 03 D 49/20)
		13/30	. with flanges
		13/32	. adjustable
		13/34	. sectional
13/06	. . . mechanical	13/36	. Means for attaching warp to beam
13/08	. . . electrical	13/38	. Storage racks for beams

D 02 J FINISHING OR DRESSING OF FILAMENTS, YARNS, THREADS, CORDS, ROPES OR THE LIKE (see D 06 L, M, P, Q for chemical matters) (curling or crimping D 02 G; by treatment with liquids, gases or vapours D 06 B; finishing other than by liquid treatment, of yarns in warp or sheet form D 06 C; treatment during rope-making, apparatus for treating ropes auxiliary to rope-making D 07 B)

Note

Attention is drawn to the explanatory note following the class title (D 02).

Sub-class Index

MODIFYING THE STRUCTURE, FORM OR SURFACE

1/00, 3/00

REMOVING UNDESIRABLE BODIES

7/00

COMBINATIONS OF ABOVE PROCESSES NOT COVERED BY ONE SINGLE GROUP

11/00

HEATING OR COOLING OPERATIONS NOT SPECIFIC TO ONE OF THE ABOVE PROCESSES

13/00

1/00	Modifying the structure or properties resulting from a particular structure; Modifying, retaining, or restoring the physical form or cross-sectional shape, e.g. by use of dies or squeeze rollers (modifying only the surface 3/00)	3/02	. by abrading, scraping, scuffing, cutting, or nicking (preliminary roughening of fibres, e.g. for spinning, D 01 G 3/00)
1/02	. Bulking, e.g. looping (by crimping, by curling D 02 G)	3/04	. by brushing
1/04	. Compacting	3/06	. by polishing, e.g. glazing, glossing
1/06	. Imparting irregularity, e.g. slubbing or other non-uniform features, e.g. high and low shrinkage or strengthened and weakened sections	3/08	. by compressing, e.g. by calendaring or ironing
1/08	. Interlacing constituent filaments without breakage thereof, e.g. by use of turbulent air streams	3/10	. by indenting
1/12	. Modifying stretch bulk properties of textured yarns or the like by after-treatment	3/12	. by removing projecting ends of fibres
1/14	. Rendering uniform or evening non-uniform features	3/14	. by shearing
1/16	. Rubbing or similar working, e.g. to redistribute or remove fibres	3/16	. by singeing
1/18	. Separating or spreading	3/18	. Treating with particulate, semi-solid, or solid substances, e.g. wax (during package formation B 65 H 71/00; waxing yarns or the like as incidental measures during spinning or twisting D 01 H 13/30)
1/20	. Stressing or stress-relieving, e.g. by vibration or subjection to electrostatic stress or electric discharge	7/00	Cleaning, e.g. removing dust, loose fibres, charred ends (in combination with the shearing, singeing, or otherwise removing of projecting fibre ends 3/12, 3/14, 3/16)
1/22	. Stretching or tensioning, shrinking or relaxing, e.g. by use of overfeed and underfeed apparatus, or preventing stretch (stretch spinning D 01 D 5/12)	11/00	Combinations, not covered by any one of the preceding groups, of processes provided for in such groups; Plant for carrying out such combinations of processes
3/00	Modifying the surface	13/00	Heating or cooling the yarn, thread, cord, rope, or the like, not specific to any one of the processes provided for in this sub-class (heating, cooling or drying during spinning or twisting D 01 H; drying of yarns etc. in general F 26 B)

D 03 WEAVING**D 03 C SHEDDING MECHANISMS; PATTERN CARDS AND CHAINS; PUNCHING OF CARDS; DESIGNING PATTERNS****Sub-class Index****SHEDDING MECHANISMS**

Dobbies; jacquards; cam and other direct-acting mechanisms 1/00; 3/00; 5/00

Healds 9/00

Selvage mechanisms not forming part of shedding mechanisms 11/00
Other shedding mechanisms 7/00, 13/00

PATTERN CARDS AND CHAINS; CARD-PUNCHING; METHODS AND DEVICES FOR PREPARING PATTERNS 15/00; 17/00; 19/00

- | | | | |
|------|--|-------|---|
| 1/00 | Dobbies | 3/16 | Verdol and other jacquards having intermediate power-operated needles between reading needles and lifting hooks |
| 1/02 | Single-lift dobbies, i.e. dobbies in which the same draw-knife or equivalent operates for every pick (1/10 takes precedence) | 3/18 | Selvage jacquards |
| 1/04 | Open-shed single-lift dobbies | 3/20 | Electrically-operated jacquards |
| 1/06 | Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks | 3/22 | Fluid-operated jacquards |
| 1/08 | reversible, i.e. correct sheds open automatically when the loom is driven backwards | 3/24 | Features common to jacquards of different types |
| 1/10 | Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position | 3/26 | General arrangements of jacquards, and disposition in relation to loom |
| 1/12 | Dobbies employing toothed gearing instead of draw-knives | 3/28 | Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom |
| 1/14 | Features common to dobbies of different types (stop motions acting on defective operation of shedding mechanisms D 03 D 51/46) | 3/30 | Arrangements wherein hooks are positively operated to close shed |
| 1/16 | Arrangements of dobby in relation to loom | 3/32 | Jacquard driving mechanisms |
| 1/18 | Knives; Knife frames | 3/34 | Cylinder operating mechanisms |
| 1/20 | Hooks; Lifters | 3/36 | Griffe operating mechanisms |
| 1/22 | Needles; Needle boxes; Needle boards | 3/38 | Comber boards |
| 1/24 | Cylinders; Cylinder battens | 3/40 | Constructions of lifting cords |
| 1/26 | Facilitating engagement of lifting-hooks with draw knives | 3/42 | Arrangements of lifting cords |
| 1/28 | by creating and then eliminating backlash between hooks and knives | 3/44 | Lingoes |
| 1/30 | wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged | 5/00 | Cam and other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices |
| 1/32 | wherein all the hooks are engaged with the knives, and unselected hooks then disengaged | 5/02 | operated by rotating cams |
| 1/34 | Arrangements wherein warp threads pass one another at different heights to avoid congestion | 5/04 | Construction or shape of cams (cams in general F 16 H 53/00) |
| 1/36 | Card or chain saving arrangements, e.g. cross-border dobbies | 5/06 | operated by cam devices other than rotating cams |
| 3/00 | Jacquards (controlling jacquard by scanning design 17/06; for gripper Axminster looms D 03 D 39/08) | 7/00 | Leno and similar shedding mechanisms |
| 3/02 | Single-lift jacquards | 7/02 | Gauze healds |
| 3/04 | of open-shed type | 7/04 | Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads |
| 3/06 | Double-lift jacquards | 7/06 | Mechanisms having eyed needles for moving warp threads from side to side of other warp threads |
| 3/08 | of open-shed type | 7/08 | Devices for twisting warp threads repeatedly in the same direction |
| 3/10 | Centre-shed jacquards | | |
| 3/12 | Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics | 9/00 | Healds; Heald frames (for leno shedding 7/00) |
| 3/14 | Jacquards not employing lifting hooks, e.g. employing knotted cords in conjunction with keyhole slots | 9/02 | Healds |
| | | 9/04 | Metal healds |
| | | 9/06 | Heald frames |
| | | 11/00 | Selvage shedding mechanism not forming part of main shedding mechanism (selvage jacquards 3/18; leno selvage mechanism 7/00) |

13/00	Shedding mechanisms not otherwise provided for	17/00	Card-punching apparatus (marking record carriers in digital fashion G 06 K)
15/00	Pattern cards and chains	17/02	. manually controlled, i.e. holes to be punched determined by the operator
15/02	. Chains of metal, wood, or similar material with projecting pattern-indicating elements	17/04	. . power-operated
15/04	. Cards or paper perforated to indicate pattern	17/06	. automatic, i.e. design scanned optically or otherwise to control punching apparatus or to control loom jacquard directly
15/06	. Apparatus for setting pegs in, or removing pegs from, pattern cards		
15/08	. Apparatus for interconnecting, e.g. by lacing, or disconnecting pattern cards	19/00	Miscellaneous methods and devices concerned with designing and making patterns

D 03 D WOVEN FABRICS; METHODS OF WEAVING; LOOMS

Note on scope

Where the balance of invention, as between the present sub-class (D 03 D) and the sub-classes of class D 06, is in doubt in respect of inventions concerning processes which involve both weaving and finishing steps and in respect of inventions concerning the finished fabrics, the inventions are to be classified in D 06 rather than in D 03 D.

In this sub-class:

- (1) A method of weaving is covered by the group designating the fabric woven unless the method is characterised by the operation of a particular loom rather than by the production of a particular fabric. In this case, the method is covered by the group for the loom.
- (2) For the purpose of classification of inventions, if there is any doubt as to which of the essential features of an invention is the most important (this is usually the most restrictive feature), the groups of this sub-class designating woven fabrics should be considered in the order in which they appear at each level of indentation, except that groups designating woven pile fabrics are to be considered as taking precedence over groups designating other woven fabrics.

Sub-class Index

WOVEN FABRICS AND CORRESPONDING WEAVING METHODS

Characterised by: the construction of the yarn or the material; their shape; their resiliency; their elasticity	15/00; 3/00; 7/00; 17/00
Kinds of woven fabrics	
open-work fabrics; woven pile fabrics; gauze; lappet or swivel woven	9/00; 27/00; 19/00; 21/00
with special disposition of warp or weft threads; multi-ply fabrics not otherwise provided for	13/00; 11/00
for specified articles	1/00
other kinds	25/00
Selvages	5/00, 47/40

General weaving methods not special to a particular fabric or loom 23/00

LOOMS AND CORRESPONDING METHODS OF WEAVING

Hand looms	29/00
Characterised by the article to be woven: lappet swivel type for embroidery-like decoration; for narrow ribbon-like fabrics; for pile fabric; other types for other kinds of fabrics	31/00; 35/00; 39/00; 41/00
Characterised by their construction: circular; with change-boxes; with automatic weft replenishment; of shuttleless type	37/00; 43/00; 45/00; 47/00
Multiple looms	33/00
General details and constructional features	49/00
Driving, starting, stopping the loom	51/00

Woven fabrics; Methods of weaving other than those characterised by the operation of a particular loom

1/00	Woven fabrics designed to make specified articles	3/02	. Tubular fabrics
1/02	. inflatable articles	3/04	. Endless fabrics
1/04	. sack or bag-like articles	3/06	. Fabrics of varying width
1/06	. curtain heading tapes	3/08	. Arched, corrugated, or like fabrics
1/08	. ladder tapes (ladder tapes <i>per se</i> for venetian blinds E 06 B 9/382)	5/00	Selvages
3/00	Woven fabrics characterised by their shape	7/00	Woven fabrics designed to be resilient, i.e. to recover from compressive stress
		9/00	Open-work fabrics (ladder-tape fabrics 1/08)