

1 R	<b>MISCELLANEOUS</b>	34	..Warp frames
1 A	..Reed and fell gauges	35	<b>WARP MANIPULATION</b>
1 B	..Inspecting devices	36	..Fluid treatment
1 D	..Pick measuring and counting	37	..Pile
1 E	..Loom driving, reversing and disconnecting mechanism	38	..Loop hook
1 F	..Reweaving	39	..Transverse wire
1 C	..Loom cleaning	40	...Wire control
2	<b>PILE TUFTING</b>	41	....Including end motions
3	..Around warp	42	.....End motions
4	..Oriental knot	43	...Separate cutting mechanism
5	...Warp traversing	44	...Pile wires
6	...Portable supply	45	...Oiling
7 R	..Portable supply	46	..Longitudinal wire, traversing
8	..Including tuft presenting	47	...Anchored release end
9	...Tuft presenting	48	..Traversing
10	....Tube frames	49	..Lappet
7 A	..Tuft yarn carrier	50	..Leno or gauze
7 B	..Carrier chain mechanism	51	...Doup heddle
7 C	..Transfer device	52	....Heddles
7 D	..Gripper means	53	...Needle-eye heddle
7 E	..Tuft forming means	54	..Selvage
7 F	..Cutter means	55.1	..Shedding
7 G	..Tube brake means	56	..Disconnecting mechanism
11	<b>SPECIAL-TYPE LOOMS</b>	57	..Pushed harness
457	..Circular, progressive shedding	58	...Double-acting cam
458	..Longitudinal shedding	59	..Jacquard
459	..Shuttle	60	...Knotted cord
14	..Open back	61	...Multiple cylinder
15	..Contacting shuttle and shed control	62	...Group control
16	..Radial heddle movement	63	...Locked open shed
17	..Open-back shed	64	...Mid closing
17.5	..Supplemental open-back shed	65	...Double lift
18	..Vertical shed	66 R	..Dobby
19	..Seed-corn stringers	67	...Vibrating griff
20	..Multiple-shed	68	....Jacquard pattern
21	..Pile	69	....Mid closing
22	..Narrow ware	70	.....Curved motion
23	...Rack and pinion shuttle motions	71	....Double lift
24	..Irregular warp feed	72	.....Locked open shed
25	..Terry	73	.....Irreversible transmission
26	...Beat-ups	74	.....Evener direct
27	....Separate reed	75	...Harness levelers
460	..Longitudinally moving shed	76	..Rotating actuator
28	..Pushed shed pocket	77	...Vibrator gear
29	..Hand looms	66 A	...Dobby loom details
30	..Pushed harness	78	..Pattern direct
31	...Cam shedding	79	..Cam
32	..Cam shedding	80	...With varying means
33	..Manual shedding	81	...Double acting
33.5	...Darning	82	..Harnessing
		83	...Power to both sides
		84	...Power to top
		85	....Jacquard

86	.....Comber boards	435.2	...With means for controlling flow from nozzle
87	...Interharness connections		
88	...Strap connections	435.3	...Including plural main nozzles and positioning means therefor
89	...Retractors		
90	....Lingoes	435.4	...Main nozzle
91	...Harnesses	435.5	...Auxiliary nozzle
92	....Supplemental heddle rod	435.6	...Fluid jet guide
93	...Heddles	436	..Progressive shedding
94	....Separate eye	437	..Weft inserted by shuttle
95	....Twisted wire	438	...By gripper shuttle
96	....Perforated strip	439	...Inserted from only one side of loom
455	..Electric or magnetic actuator		
456	..Fluid pressure actuator	440	..Weft inserted as double picks
97	..Feeding	441	...By permanently threaded reciprocating needle
98	..Lease rods		
99	..Interconnected let-offs and take-ups	442	...By permanently threaded pivoted needle
100	..Let-offs	443	..Weft inserted as single pick
101	..Multiple	444	...By gripper needle on insertion stroke
102	....Pile		
103	....Tension regulated	445	...By gripper needle on withdrawal stroke
104	..Independent of supply		
105	...Speed regulation	446	...By a plurality of needles
106	....Exhaustion compensated	447	...Needle thread engaging portion
107	.....Radius	448	....Thread gripper
108	.....For positive	449	..Drive or guide mechanism for weft inserting needles
109	....Tension		
110	.....For positive	450	..Weft handling
111	...Automatic arresters	451	...For hair, cane, straw or slats
112	....Beat-up resisting	452	...Measuring or storing
113	...Manual resetters	453	...Selecting
114	..Whip rolls	454	..Diagonal weaving
115	...Positive slackeners	133	..Shuttle motions
116.1	<b>WEFT MANIPULATION</b>	134	..Magnetic
116.2	..Means for withdrawing defective weft	135	..Narrow ware, positive
116.5	..Pile	136	...Rack and pinion
116.6	..Longitudinal wire, anchored release end	137	....Weft change
117	..Special length	138	....Actuators
118	..Fringe	139	...End engagement
119	..Swivel shuttle	140	....Single shuttle
120	...With main shuttle control	141	..End engagement, positive
121	...With rack and pinion	142	..Fly
429	..Weaving with stationary weft supply	143	...Intermediate pickers
430	..Selvage forming	144	...Pneumatic
431	...By knitting	145	...Spring propelled
432	....With additional thread	146	...Lay-carried stick
433	...By shuttle	147	....Vertical bell crank
434	...By tucking	148	....Foot actuated
435.1	..Weft inserted by fluid jet from nozzle	149	....Foot construction
		150	.....Rocker
		151	....Lug connections
		152	.....Foot supported
		153	.....Lug straps

154	.....Lug-strap supports	196.4	..Shuttle tips
155	..Shuttle positioners	197	..Types
156	...Disconnecting mechanisms	198	...Exteriorly supported cop
157	...Picker sticks	199	...Bow
158	...Picker spindles	200	....Brake tension
159	...Pickers	201	....Tortuous-course tension
160 R	....Spindle-guided pickers	202	...Roller bearing
160 A	.....Picker wear plates	203	..Detecting
161 R	...Picker and picker stick checks	204	...Float
162	....Special connection	205	...Exhaust
163	....Friction	206	..Thread-carrier supports
164	.....Lateral	207	...Automatically replenished
165	.....Double-acting shifter	208	...Pivoted spindle
166	....Nonmetallic buffer	209	....Detachable
167	....Spring buffer	210	....Spindle-actuated retainer
168	.....With taut strap	211	.....Exterior
169	.....With pivoted arm	212	..Thread-delivery control
170	.....With offset arm	213	...Uncoiling engagement
161 S	....Check strap	214	...Tortuous course
161 F	....Fluid check	215	....Threader slot
170.3	..Inactive weft restrainers	216	...Spring clamp
170.4	..With cutter	217	....Threader slot
170.6	..Box position responsive	218	...Friction material
170.7	...Dummy or displaced warps	219	....Threader slot
171	..Box change motions	220	.....Loom threading
172	..Revoluble box	221	...Threading feature
173	..Vibrating actuator and wheel	222	....Slot
174	..Rack and pinion	223	.....Loom threading
175	..Vibrating actuator and catch	224 R	..Replenishing
176	...Varied	225	..With other loom-parts control
177	....Step type	226	...Suspension
178	..Rotating actuator and gear	227	....Of main shaft
179	...Axial shift	228	....Of stopping
180	...Vibrator gear	229	..Delayed
181	..Connecting motions	230	..Prevented
182	..Box-supporting instrumentalities	231	...Revoked
183	..Shuttle boxes	232 R	..Multicolor type
184	..Multiple	233	...Feeler mechanism
185	..Shuttle checks	232 A	...Multicolor shuttle changes
186	...Shuttle actuated	232 B	...Multicolor magazine
187	...Relieving	232 C	...Bobbin delivery control
188 R	..Lays or beat-ups	232 D	...Magazine and shuttle coordinated
189	..Loose reed	232 E	...Color coordination with conveyor
190	..Motions	232 EA	....Bobbin release
191	...Separate reed	232 F	...Pick and pick
192	..Reeds	234	..Shuttle changing
193	..Shuttle guards	235	...Manually controlled
188 A	..Yielding reed	236	...Supply and discharge at different ends
194	..Tensions	237	...Exhausted shuttle deflected
195	..Selvage-loop retainers	238	...Contacting shuttles
196.1	..Shuttles	239	...Movable shuttle box
196.2	..Gripper or dummy shuttle		
196.3	..Single pick shuttle		

240	....Progressive	288	...Positioners
241	..Bobbin changing	289	..Feeler cooperating bobbin elements
242	...By moving transferrer	224 A	..Bobbin winding and supply means
243	....Lay actuated	291 R	<b>FABRIC MANIPULATION</b>
244	...Transferrer tips	292	.Temples
245	...Bobbin supply	293	..Clamping jaw
246	....With thread control	294	..Rotary
247	.....With gravity feed	295	...Roller and pod
248	.....With rotary battery	296	...Roller surfaces
249	....Rotary battery	297	...Bearing for rollers
250	.....Battery feeds	298	...Supports
251	...Bobbin guides or supports	299	....Sliding
252	...Shuttle positioners	300	....Displacing means
253	....Inner tip pushers	301	....Positioning adjustments
254	...Bobbin-smash preventers	302	.Selvage trimmers
255	...Ejected-bobbin receivers	303	..Lay actuated
256 R	..Thread control	304	.Take-ups
257	...Incoming thread	305	..Irregular shape
258	....Attached to magazine	306	..Traversing
259	.....Shuttle threading	307	..Sand-roll type
260	...Positioning outgoing thread for cutting	308	...Contacting wind-up
261	...Shuttle clearing	309	..Speed regulation
262	....With bobbin manipulation	310	...Increase compensated
263	...Cutting mechanism	311	...Tension
264	....On shuttle feeler	312	...Manual
265	....On lay	313	..Automatic let-backs
266	....On temple	314	..Automatic arresters
267	....Operated by transfer	315	..Fraud preventers
268	....Operation prevented	316	..Manual resetters
256 A	...Pneumatic	291 C	.Cutter mechanism
269	..Feeler mechanisms	317	<b>PATTERN MECHANISM</b>
270	...Suspended actuation	318	.Picture pattern
271	...Positively withdrawn	319	..Electrical
272	....Lay carried	320	.Lateral shift
273 R	...Electric	321	.Skip motions
273 A	....Photo-electric	322	.Multiple cylinder
274	...Magnetic	323	..With control pattern
275	...Detector in shuttle	324	.Reverse
276	...Becoming quiescent	325	..With control pattern
277	....With auxiliary bobbin and shuttle contact	326	.Multipliers
278	...Yarn impinging and lay actuation	327	.Loom-part control
279	...Yarn impinging and penetrating members	328	.Reset
280	...Rotary	329	.Cylinder motions
281	...Side slipping	330	.Cylinders
282	....Spring stressed	331	.Feelers
283	.....Pivoted carrier	332	.Pattern guides
284	.....Slidable carrier	333	.Patterns
285	....Pivoted carrier	334	..Movable pins
286	....Slidable carrier	335	..Cards
287	...Feeler tips	336	<b>STOPPING</b>
		336.4	.Weft replenishing
		336.6	..With shuttle position detector
		337	.Harness-mechanism actuated

338	.Pattern-mechanism actuated	388	...Uniform
339	.Take-up mechanism actuated	389	...Bags and pockets
340	.Predetermined	390	....Permanently united
341	.Shuttle-position detectors	387 A	...Header tape
342	..Improper presence in shuttle box	384 A	..Venetian blinds
343	...Shuttles in both boxes	384 B	..Zipper tapes
344	..Positive-shuttle-motion type	391	.Pile
345	..Protector-rod type	392	..Weft
346	...With sliding frog	393	...Chenille
347	...With relief mechanism	394	....Multiweft planes
348	.Thin-place detectors	395	..Chenille strands
349	.Warp	396	..Terry
350	..With leasing	397	..Separable fabrics
351	..With break locating	398	...Each with multiweft planes
352	..Nonindividual detector	399	..Tufted
353	..Electrical	400	...Oriental knot
354	...Pivoted detector	401	...Multiweft planes
355	...Shed-lifted detector	402	..Regularly shedded warp
356	....Lay knock-off	403	...Multiweft planes
357	...Lay knock-off	404	..Selected warp
358	...Supports	405	...Multiweft planes
359	..Nonarrestable vibrator	406	....Divided by stuffer warp
360	..Arrestable vibrator	407	.Separable
361	...Pivoted detector	408	.Multiweft planes
362	....Lay knock-off	409	..Independent plies
363	...Shed lifted detector	410	...Two-ply
364	....Lay knock-off	411	..Three-weft planes
365	...Transverse motion	412	...Separated weft
366	....Lay knock-off	413	..Two-weft planes
367	...Lay knock-off	414	...Separated weft
368	..Detectors	415	....Divided by stuffer warp
369	..Supports	416	.Figured, single-weft plane
370.1	.Weft	417	..Striped
370.2	..Stationary supply; e.g., shuttleless type	418	..Double faced
371	..Detector in shuttle	419	.Cross weave
372	..Detector fork	420 R	.Materials
373	...Vibration preventers	421	..Elastic
374	...Lay carried	422	...Inelastic sections
375	....Dropping	423	...Multiweft planes
376	....Supplementally aided	424	..Including straw or vegetable stalks
377	...Slidable tilting	425 R	..Including metal
378	....Forks	425 A	...Fourdrinier cloth
379	...Grids and cleaners	426 R	..Textile-thread type
380	<b>WEAVERS' IMPLEMENTS</b>	427	...Including nonfelting animal fibers
381	.Shuttle threaders	428	....Silk
382	..Pneumatic	426 TW	...Fabric formed with yarns of different twist
383 R	<b>FABRICS</b>	420 A	..Fabrics wooven of artificial non-cellulosic yarns
384 R	.Special shape	420 B	..Paper or cellulose
385	..Fringes	420 C	..Glass
385.5	..Collar	420 D	..Asbestos
386	..Curved		
387 R	..Tubular		

139 - 6

CLASS 139 TEXTILES: WEAVING

383 A .Drier felts  
383 AA ..Joint structure  
383 B .Woven-knit

**FOREIGN ART COLLECTIONS**

FOR CLASS-RELATED FOREIGN DOCUMENTS

**DIGESTS**

DIG 1 BIAS FABRIC DIGEST