

2	<b>PRINTING AND SORTING</b>	51	...Traveling roller inker with fountain
3.1	<b>EMBOSSING OR PENETRATING</b>	52	..Rotary
4	.Special-article machines	53	...Feeding or delivering
5	..Rolling contact	54	....Plate chain feed
6	...Rotary	55	..Bed-and-cylinder
7	..Rotating object	56	...Traveling cylinder
8	...Hot die	57	..Bed and platen
9	..Hot die	58	...Article grouper
10	...Oscillating	59	...Drum series
11	...Feeding or delivering	60	...Interconnected plates
12	.Matrix material	61	....Oscillating machines
13	..Selective machines	62	...Rotary plate carrier
14	...Drum series	63	...Shifting chase
15	..Multiple-character bar	64	....Oscillating machine
16	..Die members	65	...Oscillating
17	..Processes	66	.Ticket machines
18	.Selective machines	67	..Duplicating
19	..Piercing	68	...Bed and platen
20	...Oscillating	69	..Bed and platen
21	..Hot die	70	..Numbering attachment
22	.Rolling-contact machines	71	.Mail-box machines
23	..Rotary	72	.Numbering
24	...Piercing	73	..Measuring machines
25	...Hot die	74	...Rotary
26	.Piercing machines	75	....Drum series
27	.Hot die machines	76	..Rotary machines
28	.Die members	77	...Planetary drum series
29	..Selective	78	..Bed-and-platen machines
30	..Piercing	79	...Drum series
31	..Hot	80	....Oscillating machines
31.1	.Seal presses	81	....Roller and plate inker
32	.Processes	82	....Roller and plate inker
33	<b>TRANSFERRING PREPARATORY DESIGNS</b>	83	..Drum series and pad inkers
34	.Processes	84	..Printing members
35	<b>SPECIAL ARTICLE MACHINES</b>	85	...Drum series
36	.Rotary	86	....Planetary
37	..Feeding or delivering	87	....Adjustable
38.1	.Rotating object	88	....Contact actuated
39	..Traveling	89	....Yielding drums
40	...Feeding or delivering	90	.Duplicating machines
40.1	..Feeding or delivering	91	.Rotary machines
41	.Bed and platen	92	..Web
42	..Selective	93	.Bed and platen machines
43	...Feeding or delivering	93.01	..Methods
44	..Feeding or delivering	93.02	..With means to prevent double impressions (rebound preventers)
45	<b>SELECTIVE OR PROGRESSIVE</b>	93.03	..With means to vary intensity of print impression
46	.Typewriter feature	93.04	..Segmented print character printers (e.g., dots, etc.)
47	.Addressing machines	93.05	...Wire
48	..Stencil		
49	...Rotary machines with roller inker and fountain		
50	...Stencil web		

93.06	..With justifying	93.37	..With printing type carried on reciprocating member
93.07	..Printing and perforating or severing	93.38	...Member having plural print type sets
93.08	..Simultaneous plural line printing	93.39	...With separate printing at each set
93.09	..Hammer individually strikes print characters in adjacent print columns (e.g., sharing)	93.4	....Plural sets on same member face
93.1	..Fluid actuated or controlled print means	93.41	..Platen member movable to type carrier
93.11	..Plural separate print mechanisms	93.42	...Electromagnetically actuated
93.12	..Unlike	93.43	...Type moved to platen electromagnetically
93.13	..With movable endless print carrying belt	93.44	...Type member moves in arcuate path
93.14	...Moving along print line	93.45	...Having relatively movable type
93.15	..Print or hammer unit moves along print line	93.46	...Member position controlled electromagnetically
93.16	...Hammer unit moves along print line	93.47	..With print character carrying member movable to platen
93.17	...Rotatable print unit	93.48	..Print hammer assembly per se
93.18	..With printing type carried on rotatable member	94	..Oscillating
93.19	...Single disk	95	...Drum series
93.2	...With diverse type print character carrier	96	...Ribbon inker
93.21	..Rotating axis parallel to print line	97	...Pad inker
93.22	....Slows to print	98	...Pad inker
93.23	....Having skewed or helically spaced print characters	99	..Drum series
93.24	....Rotatable member movable to platen	100	...Ribbon inker
93.25	....Arcuately moving	101	...Pad inker
93.26	....With relatively movable print type	102	..Ribbon inker
93.27	....With plural record printing	103	.Printing members and inkers
93.28	....Hammer member movable to print member	104	..Tumbler bed and pad inker
93.29	....Including electromagnetically actuated means	105	...Endless type band
93.3	.....Rotary member moves hammer to engage print characters	106	..Drum series
93.31	.....With intermediate force transmitting member	107	...Ribbon inker
93.32	.....With intermediate force transmitting member	108	...Pad inker
93.33	.....With spring	109	.Printing members
93.34	.....With spring	110	..Drum series
93.35	....With mechanically actuated platen or hammer	111	..Endless band
93.36	.....Arcuately moving	112	..Stencil plate
		113	<b>DUPLICATING MACHINES</b>
		114	<b>STENCILING</b>
		115	.Multicolor
		116	.Rotary machines
		117	..Cutting and feeding or delivering
		118	..Feeding or delivering
		119	..Internal inker
		120	...Contact member
		121	.Stencil-web machines
		122	..Endless band
		123	.Traveling-inker machines
		124	.Stationary-inker machines

125	.Stencil and pad inker	461	...Surface contains protein or derivative
126	.Stencil and work support	462	...Surface contains resin
127	.Stencils	463.1	.Lithographic plate making, and processes of making or using copy elements, and elements per se
127.1	..Mounts, holders and extensions	464	..Films to film inhibition
128	...Settable units	465	..Making plate surface portions ink repellent or ink receptive
128.1	...Attaching	466	...Ink receptive
128.21	..Laminated and/or plural sheets and/or coated base and manufacture	467	....By use of radiant energy or heat
128.4	..Manufacture	468	..Copying
129	.Processes	469	...Including color formation or enhancement
130	<b>PLANOGRAPHIC</b>	470	...Utilizing radiant energy or heat
131	.Copying apparatus	471	....Light
131.5	..Sheet flexing	472	...Utilizing solvent
132	..Rotary	473	...Elements per se
132.5	...With dampener	150	<b>INTAGLIO</b>
133	..Bed-and-cylinder	151	.Multicolor
134	..Multicolor ink block	152	..Rotary machines
134.5	..Bed and platen	153	.Rotary
135	.Multicolor	154	..Transfer with scraper wiper
136	..Rotary machines	155	..Wiper
137	...Transfer with interrupter	156	...Web
138	...Web	157	...Scraper
139	...Interrupter	158	.Bed-and-cylinder machines
140	...Interrupter	159	..Circulating bed
141	.Rotary machines	160	...Roller inker with web wiper
142	..Transfer	161	..Roller inker with wiper
143	...Web with interrupter	162	...Web wiper
144	...Interrupter	163	.Bed and platen
145	..Interrupter	164	..Reciprocating bed with roller inker and web wiper
146	.Bed-and-cylinder machines	165	..Roller inker with web wiper
147	.Dampeners	166	..Web wiper
148	..Roller fountain	167	.Wipers
450.1	.Processes of lithographic printing	168	..Web
451	..With application of ink repellent or ink receptive liquid	169	..Scraper
452	...Non-aqueous	170	.Processes
453	.Lithographic printing plates	171	<b>MULTICOLOR</b>
454	..Including metal support having printing or non-printing surface	172	.Yarn
455	...Surface contains silica or glass	173	.Rotary and bed-and-cylinder machines
456	...Surface contains light reacted material	174	.Rotary machines
457	...Surface contains resin	175	..Single impression
458	...Surface contains metal	176	...Web
459	...Aluminum, copper or zinc	177	..Transfer
460	..Including paper or cellulosic support having printing or non-printing surface	178	..Web
		179	...Perfecting
		180	....Multiple couple

181	...Multiple couple	231	...Feeding or delivering
182	...Interrupter	232	..Feeding or delivering
183	..Multiple couple	233	...Article-controlled machines
184	...Interrupter	234	....Tripped printing member
185	..Interrupter	235	.....Single revolution
186	.Bed-and-cylinder machines	236	.....Stacking
187	..Single impression	237	.....Stacking
188	..Lateral shift	238	....Stacking
189	..Multiple cylinder	239	....Article-timing stop
190	...Perfecting	240	...Stacking
191	...Throw-off	241	....Article-timing stop
192	....Interrupter	242	...Article-timing stop
193	.Bed-and-platen machines	243	..Ribbon inker
194	..Single impression	244	..Ribbon inker
195	...Oscillating machines with roller and plate inker	245	..Single revolution
196	..Web	246	..Gripper cylinder
197	...Oscillating bed	247	..Interrupter
198	...Reciprocating bed	248	..Cylinder-registering mechanisms
199	....Roller inker	249	..Staggered blanket
200	..Oscillating	250	.Bed-and-cylinder
201	..Rising-and-falling type	251	..Transfer
202	..Inkers	252	..Traveling cylinder
203.1	..Roller and plate	253	..Web
204	...Fountain	254	...Perfecting
204.1	...Multi-disc plate	255	....Circulating bed
205	..Roller	256	....Traveling cylinder
206	...Rotary machine	257	.....Reversing
207	....Fountain	258	....Oscillating cylinder
208	...Fountain	259	...Circulating bed
209	...Interrupter	260	...Traveling cylinder
210	..Fountains	261	...Oscillating cylinder
211	..Processes	262	..Perfecting
212	<b>ROLLING CONTACT MACHINES</b>	263	...Circulating bed
213	..Rotary printer and web roll with roller inker	264	...Traveling cylinder
214	..Rotary and bed-and-cylinder	265	...Stop cylinder
215	..Transfer	266	...Oscillating cylinder with feeding or delivering
216	..Rotary	267	...Feeding or delivering by additional revolution
217	..Transfer	268	..Circulating bed
218	...Interrupter	269	..Traveling cylinder
219	..Web	270	...Circulating
220	...Perfecting	271	....Feeding or delivering with ribbon inker
221	....Multiple impression	272	...Feeding or delivering
222	.....Reversing	273	....Ribbon inker
223	....Reversing	274	...Ribbon inker
224	....Cutting and feeding or delivering	275	..Stop cylinder
225	....Feeding or delivering	276	...Feeding or delivering
226	...Cutting	277	..Oscillating cylinder
227	....Feeding or delivering	278	...Feeding or delivering
228	...Feeding or delivering	279	..Feeding or delivering
229	..Perfecting	280	...Additional revolution
230	...Reversing	281	..Ribbon inker

282	..Bed-and-cylinder movements only	334	..Tumbler bed
283	...Throw-off	335	<b>INKERS</b>
284	....Interrupter	336	.Ribbon
285	...Interrupter	337	.Roller and plate
286	...Cylinder-registering mechanisms	338	..Bed-and-platen machines
287	<b>BED-AND-PLATEN MACHINES</b>	339	...Traveling plate
288	.Web	340	...Fountain
289	..Perfecting	341	....Interrupter
290	...Reciprocating bed with roller inker	342	...Interrupter
291	..Oscillating bed	343	..Traveling plate
292	..Reciprocating bed	344	...Fountain
293	...Roller and plate inker	345	....Interrupter
294	....Circulating roller	346	...Interrupter
295	...Roller inker	347	..Fountain
296	.Perfecting	348	.Roller
297	.Oscillating	349.1	..Rotary machine
298	..Oscillating bed	350.1	...Having fountain to supply ink to roller
299	...Interrupter	350.2	....Selective feed path of ink to roller
300	....Roller and plate inker	350.3	....Vibrating
301	...Inker	350.4	....Variable speed roller in train of rollers supplying ink to ink roller
302	....Roller and plate	350.5	....Having excess ink return; i.e., recovery
303	....Traveling plate	350.6	....Having plural doctor means
304	....Circulating roller	351.1	....Having interrupter in ink supply
305	....Roller	351.2	.....Spring biased
306	..Interrupter	351.3	.....Pivoted
307	...Roller plate inker	351.4	.....Hydraulically moved
308	....Circulating roller	351.5	..Hydrophobic roller
309	...Roller inker	351.6	...Segmented roller
310	..Inker	351.7	...Covered
311	...Roller and plate	351.8	...Having means to spray ink on roller
312	....Traveling plate	352.01	...Having interrupter
313	....Circulating roller	352.02	....Biased
314	...Roller	352.03	.....Spring
315	....Fountain	352.04	....Pivoted
316	.Reciprocating bed	352.05	....Hydraulically moved
317	..Interrupter	352.06	...Vibrating
318	..Inker	352.07	...Biased
319	...Roller and plate	352.08	....Spring
320	...Roller	352.09	...Pivoted
321	....Fountain	352.1	...Specific shape
322	.Interrupter	352.11	...Specific surface
323	..Roller inker	352.12	....Pile or nap
324	.Inker	352.13	....Plurality of projections or indentations
325	..Roller and plate	353	..Bed-and-cylinder machine
326	..Roller with fountain	354	...Traveling roller
327	<b>PRINTING MEMBERS AND INKERS</b>	355	....Fountain
328	.Rolling-contact printing member		
329	..Roller inker		
330	...Fountain		
331	....Roller fountain		
332	.Ribbon inker		
333	.Pad inker		

356	...Fountain	402	.Fillers
357	....Interrupter	403	..Line spacers
358	...Interrupter	404	..Binding
359	..Bed-and-platen machine	405	.Stamp handles
360	...Fountain	406	..Flexible connection
361	....Interrupter	407.1	<b>WORK SUPPORTING MEMBERS</b>
362	...Interrupter	408	.Grippers
363	..Fountain	409	..Cylinders
364	.Fountains	410	...Shiftable
365	..Multiple-point control	411	...Gripper-attached tumble
366	..Force discharge	412	...No operating mechanism
367	..Roller-fountain	413	.Tympan gauges
368	<b>PRINTING MEMBERS</b>	414	..Automatic movement
369	.Addressing plates	415	..Surface secured
370	..Type groove	474	.Work held on flat surface
371	.Mail-cancelling stamps	475	.Work in rolling contact with printing plate
372	.Special-designs forms	415.1	<b>FLEXIBLE-SHEET-SECURING DEVICES</b>
373	..Arrangeable face	416.1	<b>ANTISMUT DEVICE</b>
374	.Late insertion	417	.Web
375	..Rolling contact	418	..Cylinder-carried reels
376	..Yielding surface	419	.Sheet
377	..Type groove	420	.Contact preventers
378	..Plate securing means	421	..Friskets
379	.Yielding surface	422	.Ink repellent
380	..Type groove	423	.Cleaners
381	.Type groove	424	..With cleaning composition
382.1	.Plate mountings	424.1	.Drying with fluid (air) or by heating
383	..Securing means	424.2	.Anti-offset material application
384	...Modified plate	425	<b>CLEANING ATTACHMENTS</b>
385	...Detachable hooks	476	<b>PRINTING ON STACKED ARTICLES</b>
386	....Groove	477	<b>PRINT PLATE FEEDING OR DELIVERING</b>
387	.....Diagonal	478	<b>ERASABLE PLATE</b>
388	.....Shifting means	479	<b>ASSEMBLY OR DISASSEMBLY FEATURES</b>
389	....Block	480	<b>PRESS PART OR ATTACHMENT</b>
389.1	..Magnetic or vacuum means to hold printing plates	481	<b>LAYOUT OR REGISTRATION</b>
390	.Chase-securing means	482	<b>TAB</b>
391	.Chases	483	<b>PROCESSES</b>
392	..Variable-size frame	484	.Condition responsive
393	..Adjustable bars	485	.Position or alignment
394	..Locking means	486	..Of print means
395	.Plates	487	.With heating or cooling
396	.Line bars	488	..Of print medium
397	..Special-design face	489	.Electric or magnetic transfer
398	.Types	490	.Plural impressions on single article
399	..Special-design face	491	.Specific ink
400	.Rules and borders	492	.Transfer or offset
401	.Surfaces	493	.Resilient surface
401.1	.Blanks and processes	494	<b>MISCELLANEOUS</b>
401.2	..Types or matrices		
401.3	...Making ready		
401.4	..Type bars		
401.5	.Type or matrix forming machines		
401.6	..Type bar		

**FOREIGN ART COLLECTIONS**

FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS  
INKERS (101/335)**  
    .Ribbon (101/336)

FOR 100 ..Rotary machine (101/349)

FOR 101 ..Fountain (101/350)

FOR 102 ...Interrupter (101/351)

FOR 103 ...Interrupter (101/352)

DIG 48 **ENDLESS PRINTING BELT FOR OTHER  
THAN SELECTIVE OR PROGRESSIVE  
PRINTING**

DIG 49 **CONVERTIBLE PRINTING PRESS (E.G.,  
LITHOGRAPHIC TO LETTER PRESS)**

**DIGESTS**

DIG 29 **PRINTING INVOLVING A COLOR-  
FORMING PHENOMENON**

DIG 30 **SPECIAL ARTICLE PRINTING WITH  
ARTICLE CONTROLLED OPERATION**

DIG 31 **DEVICES FOR APPLYING METAL LEAF  
EMPLOYING HOT DIES**

DIG 32 **MEANS TO VARY THE TIME OF CONTACT  
OF ONE OR MORE ROLLERS IN AN  
INK TRAIN**

DIG 33 **INK TRANSFER EMPLOYING ONE OR  
MORE BELTS**

DIG 34 **MEANS TO AGITATE INK IN A  
RESERVOIR**

DIG 35 **ROLLERS AND TRACK THEREFORE IN  
PRINTING PRESSES**

DIG 36 **MEANS FOR REGISTERING OR  
ALIGNMENT OF PRINT PLATES ON  
PRINT PRESS STRUCTURE**

DIG 37 **PRINTING EMPLOYING ELECTROSTATIC  
FORCE**

DIG 38 **MEANS FOR AXIALLY RECIPROCATING  
INKING ROLLERS**

DIG 39 **PRINTING ON CYLINDER OF  
REVOLUTION**

DIG 40 **MEANS TO PRINT ON GOLF BALLS**

DIG 41 **MEANS FOR BRAKING PRESS CYLINDERS**

DIG 42 **MEANS FOR TENSIONING WEBS**

DIG 43 **MACHINES PRINTING BY BOTH  
INTAGLIO AND ANOTHER TYPE OF  
PRINTING MEANS**

DIG 44 **COIN CONTROLLED PRINTING MACHINES**

DIG 45 **SENSOR FOR INK OR DAMPENING FLUID  
THICKNESS OR DENSITY**

DIG 46 **PRINTING OPERATION CONTROLLED BY  
CODE INDICIA ON PRINTING PLATE  
OR SUBSTATE**

DIG 47 **AUTOMATIC OR REMOTE CONTROL OF  
METERING BLADE POSITION**

