394	MATCHBOOK MAKING	431	Liquid treating
395	. Methods	432	Vacuum or gas treating
396	METHODS	433	Receptacle forming
397	.Applying a partial cover	434	Flexible preform cover (e.g.,
			bags, pouches)
398	Partial covering of multiple	435	Cutting
	<pre>cans, bottles (e.g., six-pack carrier)</pre>	436	Compacting or stretching
399	•	437	Agitating (e.g., vibrating or
400	Banding	13,	jarring)
400	.With adsorption or absorption of	438	Before association with cover
101	contents	130	material
401	.With nonreactive packaging materials	439	By simultaneously conveying
402	.With inhibitor	100	and compressing
-		440	Heating or cooling
403	.Gas filling and/or evacuating	441	.Conforming by stretching or
404	and closing		shrinking of cover over
	With solder or wax sealing		contents
405	Evacuating only and closing	442	By heating
406	With gas igniting	443	.Group forming of contents into a
407	With steam filling	110	unit
408	Including evacuating	444	Of slender rod-shaped contents
409	.Annular package		(e.g., cigarette)
410	.Forming a cover adjunct or	445	Of diverse contents (e.g., can
	application of a cover adjunct		and coupon)
111	to a cover	446	With orienting (e.g., turning
411	Printing or protective coating		labels face out)
412	Package opening device (e.g.,	447	Stacking upon another before
410	tear strip)		packaging
413	Handle	448	Single layer forming
414	Binding string	449	.Plural covers
415	Strip, stamp, nonencircling	450	.Enclosing contents within
416	label, or space fillerFastening or sealing		progressively formed web means
417	Applying the fastener to a	451	Vertically formed, filled, and
41/	gathered bag neck (e.g.,		sealed tubular package
	staple or clip)	452	.Forming or partial forming a
418	Sewing		receptacle and subsequent
419	Encircling sealing strip		filling
417	(e.g., adhesive tape)	453	Forming a pocket or depression
420	For preformed receptacle with		in cover material by applying
420	separate closure		heat or pressure (e.g.,
421	Including gasket compressing		stretch forming)
422	Against side of receptacle	454	Forming a capsule
423	Including casting or molding	455	Making a pocket in web material
423	Constricting closure by		by folding and side sealing
424	binding		(e.g., flat bag making)
425		456	Forming three-dimensional
425	Sterilizing complete package. Sterilizing cover only		receptacle from web or blank
427		457	Opening or setting up
44/	.Skin packaging (e.g., vacuum		collapsed, preformed
	forming by conforming cover over contents)		receptacle
428	.With contents treating	458	Box, carton
429	Folding	459	Bag, tube, center-folded web
430	Winding	460	.Envelope or triangular flap fold
4 00	winding		

461	.Wrapping contents including cover forming	490	By screwing closure on container
462	With slotted or scored wrapper blank	491	By folding multiple preformed flap
463	With heat sealing of wrapper	492	.Opening only
464	Cup or pouch forming about contents from web or blank	48.1	MULTIPLE BOTTLE OR CAN CARRIER TYPE PACKAGE
465	Cinching or wiping around to	48.2	.Of shrinkable or memory material
	form initial wrap	48.3	.Of stretchable material
466	U-fold forming initial wrap	48.4	Continuous web
467	.Filling preformed receptacle and	48.5	.Endless loop
	closing	48.6	.Wrap
468	Opening prior to filling and	48.7	Of moving bottles or cans
	closing	48.8	Wrap of preformed blank
469	Flexible, expandable receptacle	48.9	Having means to interlock or
103	(e.g., bag, tube)	40.9	tighten
470	Aerosol container	49	BOTTLE IN SHAPED COVER OR CARTON
471	With separate closure attaching	50	PACKAGE UNFOLDING OR OPENING WITH
171	(e.g., cap or plug)	30	INSERTION OF ADDITIONAL
472	With protective media (e.g.,		CONTENTS
	shock absorbing)	51	REGISTER CONTROL
473	.Filling preformed receptacle	52	WITH MEANS RESPONSIVE TO A SENSED
474	With diverse contents	32	CONDITION
475	With successive like contents	53	.Separate delivery of incomplete
	or layers of like contents	33	or defective package
476	.Closing package or filled	54	.Separate delivery of incomplete
	receptacle		or defective contents or
477	By heat sealing		contents group
478	Separate closure	55	.Concurrent control of contents
479	Of preformed nonfreestanding		and receptacle feeds
	container deformed by contents	56	Stopped by contents, manual
	(e.g., bag, tube)		reset
480	Closing preformed container	57	By absence of contents
	deformed by contents	58	Triggered by presence of
481	By collapsing mouth portion		contents
	(e.g., to form single flap)	493	.Of individual contents or group
482	Folding or rolling-in		feed or delivery
483	Twisting	494	Responsive to incomplete group
484	Closing a preformed,		or subgroup (no group - no
	freestanding, rigid or semi-		feed)
	rigid container (e.g., box,	495	Responsive to complete group or
	carton, bottle)		subgroup
485	By applying a separate	496	Responsive to the presence of
	preformed closure (e.g., lid,		only the lead article of a
	cap)		completed group
486	With receptacle deforming or	497	Plural lead articles
405	shaping	498	By sensing each individual
487	With preliminary closure		article of the group or
400	shaping	400	subgroup
488	By conforming closure to	499	Individual sensors (one for
400	container		each article in the group or
489	By plugging closure into		subgroup)
	container		

500	Single sensor for	89	Machine positioned receptacle
	successively sensing each		and/or closure
	article of the group or	90	Through lock or valve means
	subgroup (e.g., counter)	91	Rotary pocket or pockets
501	By totalizing of individual	92	Common in-out
	contents	93	With separate coacting
502	By weight of contents		pockets
503	By volume of contents	94	Including closure handling
504	By dimension of contents		means
505	Responsive to presence or absence of cover material	95	Multiple individual receptacle chambers
	(e.g., wrapper, receptacle,	96	Integral unit
	lid)	97	With closure assembling means
506	Responsive to absence of cover	98	Resilient hold-down
	material (no can - no fill)	99	
64	.Of receptacle or cover feed or		Gravity plunger or platen
04	adjunct feed or application	100	With drop control
65	Of marker by defective package	101	Mechanically actuated plunger or platen
	component	102	With equalizer means
66	Severed length determined by	103	Atmospheric pressure
	contents size	104	With fluid system intensifier
67	Responsive to presence or	105	Flexible diaphragm
	absence of preformed	106	Pressure platen
	receptacle	107	Individual receptacle
68	With closure ejection means	108	Base contacting
69	During infeed	109	With cap lifter
70	With solenoid control means	110	.Within tunnel
71	ration to the control of the first of the first	110	.Wichin cumer
71	With intermediate clutch	500	CUTN DACUACINO
71 72	With intermediate clutchAnd presence or absence of	509 111 B	SKIN PACKAGING
		111 R	WITH CONTENTS TREATING
	And presence or absence of closure	111 R 510	WITH CONTENTS TREATING .Vacuum or inert atmosphere
72	And presence or absence of	111 R 510 511	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle forming
72	And presence or absence of closureSkip feed by absence of contents	111 R 510 511 512	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag
72 73	And presence or absence of closureSkip feed by absence of	111 R 510 511 512 113	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping
72 73	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents	111 R 510 511 512 113 114	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing
72 73 74	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle	111 R 510 511 512 113	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting
72 73 74 75	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or opening	111 R 510 511 512 113 114	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle
72 73 74	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton)
72 73 74 75 76	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle
72 73 74 75 76 77	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton)
72 73 74 75 76 77 507	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling
72 73 74 75 76 77 507 508	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rollingSheet material or garments
72 73 74 75 76 77 507	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rollingSheet material or garmentsRotary winding
72 73 74 75 76 77 507 508 79	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrel
72 73 74 75 76 77 507 508 79 80	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering means	111 R 510 511 512 113 114 115 116 117 118 119 120	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doubling
72 73 74 75 76 77 507 508 79 80 81	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit only	111 R 510 511 512 113 114 115 116 117 118 119 120 121	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doubling .Crushing
72 73 74 75 76 77 507 508 79 80 81 82	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application only	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformation
72 73 74 75 76 77 507 508 79 80 81	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit only	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible material
72 73 74 75 76 77 507 508 79 80 81 82 83	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetable
72 73 74 75 76 77 507 508 79 80 81 82	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confection
72 73 74 75 76 77 507 508 79 80 81 82 83	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton) Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish product
72 73 74 75 76 77 507 508 79 80 81 82 83	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary product
72 73 74 75 76 77 507 508 79 80 81 82 83 84	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518 519	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton) Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productButter
72 73 74 75 76 77 507 508 79 80 81 82 83 84 85	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation .Enclosure responsive	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary product

521	Stuffing (e.g., mattress	134.1	.Adjunct comprising graspable
	ticking)		appendage, e.g., handle
522	Strand, tube, or rodlike	134.2	For permeable package, e.g.,
	material (e.g., drinking		tea bag
	straw)	135.1	.Adjunct comprising nonencircling
523	Compacting or stretching	133.1	strip, e.g., stamp, label or
524	Mattress filling		gap filler
_		125 2	
525	By agitation	135.2	Applied to cover material
526	Compressing with or through		before packaging
	cover	135.3	Applied to continuous web
527	Compressing contents within		material
	preformed receptacle	136.1	Applied to package
528	Compressing while engaging	136.2	Applied to end of roll
	contents with wrapper or band	136.3	To seal package
529	Compressing before packaging	136.4	Box
530	Through restricted passage	136.5	Bag
127	.Heating or cooling	137.1	.Adjunct comprising bottle hood
111 RC	.With reactive chemical	10,11	securing means
128.1	WITH COVER-ADJUNCT APPLICATION OR	137.2	.Adjunct comprising package
120.1		137.2	encircling sealing strip
100 1	FORMATION	138.1	
129.1	.Adjunct comprising packing disk,	138.1	.Adjunct comprising provision to
	sealing gasket, or "spot"	120.0	secure cover
	applied to a closure	138.2	Staple or clip
130.1	.Adjunct comprising closure	138.3	Bag closing
	retainer seated into and	138.4	Deformed staple or clip
	depressed with portion of	138.5	Adjunct comprising sewn seam
	bottle hood	138.6	Tie string or wire
131.1	.Adjunct comprising protective	138.7	Bag closing
	coating	138.8	Twisting of string or wire
131.2	.By printing	139.1	Bag banding
131.3	On cover having separate	139.2	Reclosable, e.g., ziplock (TM)
	closure or on such a separate		or with valve
	closure	139.4	.Adjunct comprising string or
131.4	Before or during packaging	10311	wire
131.5	On continuous web	139.5	.Adjunct comprising means to
132.1	.Adjunct comprising lever	133.3	protect contents, e.g.,
	actuated to constrict passage		padding or spacer
	of contents into package	139.6	
133.1	.Adjunct comprising provision to	139.7	To protect contents from binderAdjunct comprising edge
	allow access to contents,	139.7	
	e.g., spout, straw, drain,	1.4.0	protector
	opening, etc.	140	WITH COVER MATERIAL PRODUCTION
133.2	Fitment to dispense flowable	141	WITH FUGITIVE PRECONDITIONING OF
133.2	contents, e.g., spout		COVER MATERIAL
133.3	Adjunct comprising provision to	142	TAPERED OR HEADED ARTICLES
133.3		143	.Inverting one or more units
122 /	open package	144	Receptacle reversing
133.4	Reclosable	145	FACING (E.G., FRUITS AND
133.5	Tear string or tape under		VEGETABLES)
100 6	cover	146	.Variable contour facing plate
133.6	Cover weakened for tearing	147	GROUP FORMING OF CONTENTS UNIT
133.7	With graspable tab on cover		AND SUBSEQUENT OR FURTHER
	or adjunct		PACKAGING
133.8	Cover weakened for tearing,	148	.Long slender articles (e.g.,
	e.g., having integral tear		cigarettes)
	strip		-

149	Adjacent rows of unequal numbers	173	.Filling preformed receptacle and subsequent covering
150	Superposing rows	174	.Wrapping and subsequent filling
151	Hopper with multiple channeled		of preformed receptacle
131	outlet	175	.Lining preformed receptacle
152	.Formed in vertically spaced ways	176	.At least one layer a band
132	and simultaneously removed	545	PROGRESSIVELY SEAMED COVER WEB OR
153	Plural groups	343	WEB FOLDS
154		546	.Multirow
134	sources	547	.With package severing and
155		J4 /	
	Diverse forms or shapes of units		subsequent closing of severed end
156	<pre>Package reinforcing sheet or trough</pre>	548	.With closing of web between package units
157	Insert or separating sheet	549	By twisting
158	.Joined receptacle or pockets	550	Longitudinal tube formed from
531	.Layer, stack, or column		single web
532	Assembling, gathering, and	551	Vertically disposed tube
332	stacking coins or similar	552	Concurrent severing
	disclike articles	553	Plural webs
533	Assembling sticks of chewing	554	Vertically disposed tube
333	qum	555	Simultaneously longitudinal
534	Receptacle advances as row	333	and transverse seaming
JJ4	groups are deposited therein	556	APPARATUS FOR CONTRACTION OF
535	Lowered support or raised wall	330	COVER BY STRETCHING OR
536	Within receptacle		SHRINKING
537	Within receptacieForming successive coplanar	557	.By heat shrinking
J J 1	layers and depositing in cover	558	APPARATUS FOR FORMING OR
	means	330	PARTIALLY FORMING RECEPTACLE
538	Varying strokes of depositing		AND SUBSEQUENTLY FILLING
230		559	
539	means	223	.Forming a pocket, depression, or hollow compartment by
339	Simultaneous deposit to fill		application of heat or
E 4 O	compartmented receptacle		pressure (e.g., stretch
540	Stacking one article or group of articles upon another		forming)
541	Building up the stack from the	560	Capsule
341	bottom	561	Molding or extruding a
542	Grouping articles on edge in a	331	container
J42	linear relationship	562	.Forming a pocket or pouch by
E / 2		302	folding and side sealing
543	Forming single generally		(e.g., flat bag making)
	horizontal groups comprising plural rows and columns	563	.Forming a receptacle around a
544			
J44		303	-
4.60	Orienting one or more units of	303	mandrel or former and removing
167		564	-
167 168	Orienting one or more units of the group		mandrel or former and removing therefrom prior to filling
167	<pre>Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF</pre>		mandrel or former and removing therefrom prior to filling .Forming by opening or setting up
	<pre>Orienting one or more units of the group COMBINED</pre>	564	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacle</pre>
	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL	564	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk</pre>
168	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS	564 565	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)</pre>
168	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE	564 565	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)Horizontally loaded box or</pre>
168 169	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL	564 565 566	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)Horizontally loaded box or carton</pre>
168 169 170	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover	564 565 566	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)Horizontally loaded box or cartonFlexible tubular stock -</pre>
168 169 170 171	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover .Concurrently formed with multi-	564 565 566 567	<pre>mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)Horizontally loaded box or cartonFlexible tubular stock - preformed continuous tube</pre>
168 169 170 171	Orienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover	564 565 566 567	mandrel or former and removing therefrom prior to filling .Forming by opening or setting up collapsed receptacleGable-top carton (e.g., milk carton)Horizontally loaded box or cartonFlexible tubular stock - preformed continuous tubeLongitudinally prefolded web

570	Bag or sack	215	Apron type
571	Magazine	216	Rolling movement
572	Filled before removal from	217	With end twisting
	magazine	218	.Fixed package support during
573	Combined extractor and opener		wrapping
574	.Forming receptacles whereby the	219	Hand manipulated type
	receptacle is subsequently	220	.Cover-wiping passage or pocket
	filled while on the forming	220	for initial wrap
	means	221	-
575	Hollow forming mandrel or	221	Cup- or pouch-forming initial
373	<u> </u>	000	wrap
F.77.6	plunger	222	Four-sided corner flap forming
576	Tubular receptacle stored on		chute or pocket
	mandrel	223	Package advanced through
577	Gathered mouth receptacle		succeeding fold chute
578	External former	224	Package advanced by folding
579	Former mounted on conveying		carrier
	means	225	Rotary turret or carrier
580	PARTIAL COVER APPLICATION	226	With end crimper or in-folder
581	.Spindle or core	227	With end twister
582	.Band or tube	228	U-fold forming initial wrap
583	Bag neck banding	229	Outturned longitudinal seam
584	Cigar banding	230	Package advanced through
585	Preformed tube	230	succeeding fold chute
586	U-fold forming initial banding	231	Via intermediate non-folding
587	Applied by rotation of contents	231	carrier
588	Applied by rotation of band	232	
589		232	Package advanced by folding carrier
309	Applied by guiding band end about contents	233	
			Continuously moving carrier
EOO		221	
590	Applied by manipulating opposed	234	Rotary turret or carrier
	band ends about contents	234 235	DEPOSITING ARTICLES AND ARRANGING
591	<pre>band ends about contentsApplied about series contents</pre>		DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED
591 592	band ends about contentsApplied about series contentsApplied by manual operation	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES
591	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with		DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g.,
591 592	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches)
591 592 593	<pre>band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band)</pre>	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or
591 592	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches)
591 592 593	<pre>band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band)</pre>	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle
591 592 593 594 201	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band).Uncovered reduced projection or	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single
591 592 593 594	<pre>band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop)</pre>	235236237	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle
591 592 593 594 201	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE	235236237	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of
591 592 593 594 201 202	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING	235236237238	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle .Diverse forms or shapes of units
591 592 593 594 201 202 203	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES	235236237238239	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent material
591 592 593 594 201 202 203 204 205	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material	235 236 237 238 239 240	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations
591 592 593 594 201 202 203 204 205 206	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type	235 236 237 238 239 240	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle .Diverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through
591 592 593 594 201 202 203 204 205	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover	235 236 237 238 239 240	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers)
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanks	235 236 237 238 239 240 241	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom filling
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting	235 236 237 238 239 240 241 242 243	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents	235 236 237 238 239 240 241 242 243 244	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articles
591 592 593 594 201 202 203 204 205 206 207 208 209	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means	235 236 237 238 239 240 241 242 243 244 245	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered support
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial	235 236 237 238 239 240 241 242 243 244 245 246	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES Long slender articles (e.g., matches) Plural filling stations and/or contents sources for single receptacle .Diverse forms or shapes of units .Article and fluent material .Successive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom filling .With turnover .Successive deposits of articles .Lowered support .Compartmented receptacle
591 592 593 594 201 202 203 204 205 206 207 208 209	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrap	235 236 237 238 239 240 241 242 243 244 245	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle .Diverse forms or shapes of units .Article and fluent material .Successive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom filling .With turnover .Successive deposits of articles .Lowered support .Compartmented receptacle .Simultaneous deposit of plural
591 592 593 594 201 202 203 204 205 206 207 208 209 210	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrapBy rotation of contents	235 236 237 238 239 240 241 242 243 244 245 246 247	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES Long slender articles (e.g., matches) Plural filling stations and/or contents sources for single receptacle .Diverse forms or shapes of units .Article and fluent material .Successive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom filling .With turnover .Successive deposits of articles .Lowered support .Compartmented receptacle .Simultaneous deposit of plural articles
591 592 593 594 201 202 203 204 205 206 207 208 209 210	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrapBy rotation of contentsStacked contents (e.g., coins)	235 236 237 238 239 240 241 242 243 244 245 246	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered supportCompartmented receptacle .Simultaneous deposit of plural articles .With means to retard free fall
591 592 593 594 201 202 203 204 205 206 207 208 209 210 211 212 213	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrapBy rotation of contentsStacked contents (e.g., coins)Hand manipulated type	235 236 237 238 239 240 241 242 243 244 245 246 247 248	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered supportCompartmented receptacle .Simultaneous deposit of plural articles .With means to retard free fall of articles into receptacle
591 592 593 594 201 202 203 204 205 206 207 208 209 210	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrapBy rotation of contentsStacked contents (e.g., coins)Hand manipulated typeCover at least in part adhered	235 236 237 238 239 240 241 242 243 244 245 246 247	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered supportCompartmented receptacle .Simultaneous deposit of plural articles .With means to retard free fall of articles into receptacle .With movement of receptacle to
591 592 593 594 201 202 203 204 205 206 207 208 209 210 211 212 213	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means .Cinched or wiped around initial wrapBy rotation of contentsStacked contents (e.g., coins)Hand manipulated type	235 236 237 238 239 240 241 242 243 244 245 246 247 248	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered supportCompartmented receptacle .Simultaneous deposit of plural articles .With means to retard free fall of articles into receptacle

250	With means to supply successive receptacles	283	Common infeed means for fill and close means
251	Contents or receptacle	284	.Opposite end closing
	transfer between conveyers	284.2	.Receptacle comprising film mount
252	By reciprocable pusher	284.3	.Receptacle comprising envelope
253	Rotary	284.4	.Means to insert X-ray film into
254	.Disc packers		and to close special
255	.Guide or inserted form or		receptacle
	support for article contents	284.5	.Rigid receptacle
256	Garment baggers	284.6	Glass receptacle, e.g., ampoule
257	With size adjusting means	284.7	.Receptacle comprising bag
258	With injector (e.g., filling	285	CLOSING PACKAGES AND FILLED
	plunger)		RECEPTACLES
259	Endless belt	286	.Plural independently closed
260	With retractible, collapsible		covers
	or separable portion to permit	287	.Separate closure applying
	withdrawal or to dump contents	288	Cover to milk can
261	Expansible	289	With preliminary receptacle
262	Spring form		shaping
263	Receptacle divider	290	With preliminary closure
264	WITH MEANS APPLYING CLOSURES OF		shaping and/or treatment
	INTERNALLY STOPPERED	291	Unfolding, opening and/or
	RECEPTACLES		stretching capsules or cots
265	WITH MEANS APPLYING ATTACHED OR	292	With suction or blast
	CONNECTED CLOSURES OF BAIL	293	Removal from support by
	STOPPERED RECEPTACLES		receptacle
266.1	MEANS TO FILL AND CLOSE PREFORMED	294	Stretcher cammed by
	RECEPTACLE		receptacle
267	.With compound fill-close station	295	With cot dispenser or ejector
268	.With common fill-close stations	296	Cutting and/or shaping means
269	Closing mechanism tripped by	297	Concentric with or at infeed
	vented air		of closure
270	Closure release by withdrawal	298	Blank cut-off only
	of fill means or receptacle	299	Receptacle delivery by case or
271	Unidirectional infeed motion		row
	only	300	With receptacle support and/or
272	Turret mounted (plural heads		feed by shoulder engagement
	rotatively indexing and	301	Receptacle delivery to
	progressively acting)		alternately acting headers
273	Swivel or slide relation to	302	Sequentially acting plural
	receptacle aperture		headers
274	Including closure port valve	303	In vertical orbit
	means	304	With single closure supply
275	Closure within or forming wall		stack for headers
	of pressure chamber	305	By hand operation with magazine
276	.Diverse heads rotatively		supply
	indexing and progressively	306	Closure delivery from supply
	acting (turret)		into or below bottom of header
277	Planetating or epicyclic orbit	307	Closure delivery into
278	Concentric orbits		inverting header
279	Plural axes	308	Turret supporting closure
280	Common infeed means		below header
281	.With separate closure	309	Closure delivery from supply
282	Endless conveyor for receptacle		through top of header

310	Closure delivery from supply	346	Split or two part die
	laterally into header	347	Helical spring
311	Closure at infeed normal to	348	Fluid pressure actuated
	closure in stack	349	Rotary cam
312	Horizontal infeed	350	Toggle
313	Closure selected by moving	351	Axial cam
	receptacle	352	Convex
314	With subsequent securing	353	Radially reciprocating jaws
315	With wiper or leveler means	354	Bell crank
316	Roller	355	Biased for deformation
317	Screw or lug closure applying	356	Split or spring collet type
	means	357	Resilient annulus
318	With reverse rotation means	358	Helical spring
319	Closure inserting means	359	Filler or forcer
320	With vent means	360	Reverse flex of resilient
321	Closure flexing means		element
	(straightening or buckling)	361	Fluid pressure or resilient
322	With closure guide withdrawal		element
	means	362	Confined elastomer block
323	Receptacle push-off means	363	With handle
324	Closure compressing means	364	Second class lever mounted
325	Roller	365	Toggle mounted
326	Sliding segment die	366	By crimping of receptacle
327	Pivoted segment die	367	Orienting or aligning means
328	Plunger structure	368	With height compensating means
329	Closure securing means		and/or package ejection means
329.2	Heated securing means	369	With package ejection means
329.3	Adapted to engage flange		only
	(e.g., outturned seam) of	370	.Twisters
	package cover	370.2	.Including provision for pleat of
329.4	With means to advance		cover overhang
	package during securing	370.3	With means to apply adhesive
329.5	With means to trim excess	370.4	With means to trim excess cover
	cover	370.5	And means to advance package
330	Internal		during closing
331	Thread and crimp	370.6	With means to engage cover at
331.5	Screw or lug type		spaced points and move
332	Reverse closure flexing or		together to form pleat
	turn-back means	370.7	With means to heat or cool seam
333	Repeated on different portions	370.8	Spaced from cover during
	of same closure		heating or cooling
334	Rotary tool or die	370.9	Comprising means to force
335	With centrifugal means		heated fluid to contact cover
336	Cam release	371.2	Having nonplanar sealing
337	Centrifugal release		surface
338	Planetating	371.3	With means to advance package
339	Axially rocking		during closing
340	Radial, rocking or axial	371.4	Closing means comprising
	pivot		roller or roller-like member
341	Die	371.5	Closing means moving with
342	With closure support		package during closing
343	Magnetic	371.6	And moving perpendicularly
344	Sectional		to package movement during
345	With resilient faces		closing

371.7	Including provision for pleat and fold of cover	375.2	With means to fold cover after closing
371.8	With package stationary during	375.3	Means to cool seam
	closing	375.4	With means to advance package
371.9	Pivoted means to close cover		during closing
372.2	Including provision for pleat	375.5	With means to fold cover after
	and fold of cover		closing
372.3	Means to cool seam	375.6	With package stationary during
372.4	With means to advance package		closing
	during closing	375.7	With means to fold package
372.5	Including provision for pleat		cover after closing
	and fold of cover	375.8	.By means adapted to engage
372.6	With package stationary during		overlapped seam
	closing	375.9	With means to heat or cool seam
372.7	Including provision for pleat	376.2	With means to advance package
	and fold of cover		during closing
372.8	To serially pleat cover	376.3	.Package or receptacle having
	overhang		closure flap, e.g., carton
372.9	Including means to rotate		flap, box lid, etc.
	package or pleating means	376.4	Multiple closure flaps
	during pleating	376.5	With means to apply adhesive
373.2	.By means adapted to engage	376.6	With means to heat or cool
	outturned seam of package		flap
	cover	376.7	With means to advance package
373.3	With means to apply adhesive to		during closing
	seam	376.8	With package stationary
373.4	With means to trim excess from		during closing
	cover	377.2	With means to advance package
373.5	With means to advance package		during closing
	during closing	377.3	With package stationary during
373.6	With means to engage cover at		closing
	spaced points and move apart	377.4	With means to apply adhesive
	to flatten seam	377.5	Tucked inside cover
373.7	With means to heat or cool seam	377.6	Attached flap
373.8	Spaced from cover during	377.7	With means to heat or cool flap
	heating or cooling	377.8	With means to advance package
373.9	Comprising means to force		during closing
0740	heated fluid to contact cover	378.3	With means to advance package
374.2	With nonplanar sealing surface		during closing
374.3	With means to advance package	381.1	MEANS TO OPEN OR ERECT RECEPTACLE
274 4	during closing	381.2	.With cutting means
374.4	Closing means comprising	381.3	To open envelope
254 5	roller or roller-like member	381.4	.Means to remove separate closure
374.5	Closing means moving with	381.5	.Means to open envelope
274 6	package during closing	381.6	Including means to apply
374.6	And moving perpendicularly		suction to grip envelope
	to package movement during	381.7	Means to open flap
2717	closing	382.1	.Means to open flap, e.g.,
374.7	With means to fold cover		carton, flap, box lid, etc.
374.8	after closing	382.2	Means to fold flap about line
314.0	With package stationary during closing		perpendicular to receptacle
374.9	Pivoted means to close	200 2	movement
J/=•J	package	382.3	And means to fold another flap
	pachage		about line parallel to
			receptacle movement

53 - 10 CLASS 53 PACKAGE MAKING

383.1 384.1 385.1	.With means to apply adhesive .Means to open bag .Including means to apply air
386.1	blastIncluding means to apply
	suction
387.1	MEANS TO HOLD FLAP
387.2	.While package is moving
387.3	With means to heat or cool flap
387.4	.With means to heat or cool flap
389.1	MEANS TO FEED COVER MATERIAL
389.2	.Continuous web cover material
389.3	With cutter
389.4	Roller or roller-like feeder
389.5	Comprising endless belt
390	AIDS TO MANUAL PACKING
391	.Power-driven conveyor
392	.Receptacle inversion
393	MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

900 CAPSULES

FOREIGN ART COLLECTIONS

FOR 000 class-related foreign documents

DIGESTS

DIG	1	BACON AND FRANKS PACKAGING
DIG	2	HIGH FREQUENCY ELECTRIC SEALING
DIG	3	SEALING ELECTRON TUBES