CLASS 100 PRESSES 100 - 1

_		37	.With separation from material of
1	BINDING	57	liquid expressed
2	.Methods	38	.With heating or cooling
3	Compacting and binding	39	.With cutting or comminuting
4	.With automatic or material-	40	.With winding or folding
_	triggered control	41	.Forcing through constricted
5	.With material winding or folding	41	
6	.With material severing	42	passage .Successive compressions from
7	.With material depositing or	42	different directions
	discharging	43	AUTOMATIC OR MATERIAL TRIGGERED
8	.Binder applying	43	CONTROL
9	Preformed continuous annular	44	.Of insertion of separator
	binder	11	between successive material
10	With precutting of binder to		charges
	length	45	of material addition,
11	Plural flexible section binder	15	deposition, or discharging
12	Through annular material	46	.Of parallelism of platens
13	Helically along material	47	.Of roll separation or speed
14	Indexing material between	48	.Of actuating means
	successive placements	49	Material presence or position
15	By rotation of material	40	starting
16	By swing of material gripping	50	By pressure applied to material
	jaw	51	With dwell time control
17	Binder supported across	52	Reversing
	passageway for material	341	SAFETY DEVICE
18	With material conveyer	342	.Means to disable or to forestall
19 R	With threader crossing	312	power to the press
	material path	343	Multiple triggers to start
20	Delivering binder to end	344	Requires the use of both hands
0.1	gripper	345	Associated with door or cover
21	Concurrently delivering to	346	Overload protection
0.0	joiner	347	Hydraulic or pneumatic safety
22	Indexing gripper	317	system
23	Shifting gripper delivers	348	Optical condition sensor
0.4	binder to joiner	349	.Barrier type (e.g., guard,
24	Threaders	317	shield, screen, hood, etc.)
19 A	Needle brake	350	Blocking mechanism between
25	Curved guide channel for pushed	330	press surfaces
0.6	binder	351	Convoluted or elongated feed
26	Material receiving loop	331	chute
27	channel	352	Debris shield attached to
28	Orbit traveling binder placer		moving press member
20	Reversing for successive	353	INTERRELATED
29	placements	54	PORTABLE RECEPTACLE LID APPLYING
30	.Binder tighteners and joiners	55	.With receptacle transfer means
31	Sleeve or clamp joiningTwisters	56	.With lid fastening
32		57	.With gathering of contents
32 33 R	.Binder tighteners	58	.With lid locating means
	.Joiners	59	.Receptacle mountable
33 PB 34	Plastic band	60	.Upwardly displaced receptacle
34	.Binder retaining material holders	61	.Concurrently pressing spaced
35	noiders METHODS	-	areas of lid
36			
20	.With pre-enclosing in textile		

62	Loops or bails receiving	307	Plural endless conveyor
	receptacle		presses
63	Approaching arms embracing	308	Means to control temperature
	receptacle	309	Multiple temperature treating
64	Translating projecting arms		zones
65	COMPACTING ENSILAGE WITHIN SILO	310	Having cooling
66	.With depositing or distributing	311	Platen in thermal contact
67	.Silo wall guide rollers		with endless conveyor
68	.Vertical center post guided	312	Having cooling
	rollers	313	Drum in thermal contact with
69	.Tamper suspended within silo		endless conveyor
70 R	WITH ADDITIONAL TREATMENT OF	314	Having cooling
	MATERIAL	315	Reciprocating platen-type
71	.Adding materials		press
72	Recycling	316	Piston and box type
73	Liquid and/or steam	317	Heating or cooling element
74	To material being fed or		in box wall
	conveyed	318	Electric heater
75	Interstage	319	Means to control temperature
76	.Winding or folding sheet, web or	320	Electric heater
	strand	321	Platen having particular
77	With subsequent transfer to		thermally conductive feature
	repressing press	322	Temperature modulating insert
78	With shape retaining means	323	Press apparatus thermally
79	With winding mandrel stripper		insulated from heating/cooling
80	Folding zigzag		means
81	Pivoted receiver	324	Plural reciprocating platens
82	Circularly deposited through	325	Heating or cooling element
	eccentric opening		in platen
83	With presser roll along	326	Heating or cooling element in
	opening		platen
84	With pusher moving to opening	327	Roll-type press
85	Receding receiver	328	Electric heater
86	Mandrel and opposed presser	329	Means to independently heat
	roll		or cool different sections of
87	Apron type (embracing belt		roll
	loop)	330	Roll surface has particular
88	Between opposed belts		thermally conductive feature
89	Within group of three or more	331	Plural stage or pass
	rolls	332	Roll temperature conditioning
90	.Separating materials		means is external of roll, but
	(vacuumizing here)		in direct temperature
91	Plural solids		conditioning contact with roll
92	.Heating, cooling, or drying	333	Gas (e.g., steam)
300	Press for a brake lining	334	Roll heated or cooled
301	Electric heater		internally
302	Plural diverse presses	335	Temperature conditioning
303	In press material handling		fluid flow passage in roll
	train	226	surface
304	In feed train	336	Roll core has a temperature
305	In press		conditioning fluid flow
306	Endless conveyor-type press	227	passage
		337	Helix-type press
		338	Plural helices

CLASS 100 PRESSES 100 - 3

339	Temperature conditioning	129	Assembled slats or staves
	means in chamber wall or	130	.External strainer
2.40	jacket	131	.Expressed liquid collector or
340	Temperature conditioning		receptor
0.4	means within helix	132	Demountably supporting press
94	.Cutting, breaking, piercing, or	133	Drinking receptacle type
	comminuting	134	With dispenser
95	In press material handling	135	Pouring spout
	train	136	.Guards or shields
96	In feed train	137	PLURAL DIVERSE PRESSES
97	Cutter	138	.With subsequent press conveying
98 R	In press		while pressing
98 A	Hay bale hole puncher	139	Successive diverse presses each
70 A	.Crop crushing		conveying
99	WITH ALARM, SIGNAL, INDICATOR, OR	140	Loaded from other type press by
	TEST MEANS		transfer
100	WITH GROUND-TRAVERSING WHEELS OR	141	Loaded by transversely moving
	GUIDES		platen or packer
101	WITH CLOTH ABOUT CAKE ENFOLDER	142	Moving through inlet
102	COMBINED	143	Plural transversely moving
103	CONVERTIBLE		platens
104	WITH DRAIN MEANS FOR EXPRESSED	144	CONCURRENT PRESSING AND CONVEYING
	LIQUID	145	.Helix-type compressor
105	.Plural liquids (peel oil)	146	Right and left helices
106	.Liquid impelling means	147	Overload release (yieldable
107	.Drain tube inbedded in material		choke)
108	With piercing point or edge	148	With valve or choke adjustment
109	Stacked boxes or plates	149	Detachable choke
110	.Drainage through or along	150	Helix interengaging abutment
	pressure surface	151	.Endless conveyer type
111	With valve or adjustable flow	152	With conveyer charging or
	regulator		discharging means
112	With clearer or cleaner	153	Co-acting presser roll
113	Stacked boxes or plates	154	With intermediate backup device
114	Flexibly connected	155 R	.Roll type
115	Boxes or plates	156	Non-rotary co-acting press
116	Movable surface		element
117	Helix	157	External and internal rolls
118	Endless conveyer	158 R	Intersecting or inclined roll
119	Trough forming		axes
120	Material enclosing	158 C	Opposed discs
121	Roll	159	Vertical roll axes
122	Textile containing pressure	160	With backing roll
	surface	161	Plural stage or pass
123	Pendant bag type	162 R	Common roll
124	Textile sustaining hoops	163 R	Yieldable
125	Fixed abutment or end wall	164	Adjustable line of force
	surface	165	Differentially
126	.Drainage through or along	163 A	Calendar pressure regulation
	surface spanning pressure	166	With turn plate or roll
	surfaces	162 B	Roll crown control
127	Box, frame, cage, or annular	167	Chute or conveyer between
	wall		stages
128	Assembled rings or hoops	168	Roll adjustment
		-	•

The control of the	169	Yieldable	211	WITH FLEXIBLE OR DEFORMABLE
171 Spring			211	
173			212	
173				
			213	
174Roll bearing guards 215Reeder controlled plunger actuation 175Roll bearing guards 216Reeder controlled plunger actuation 176Roll pairs 217Roll bearing guards 216Reeder controlled plunger actuation 177Roll pairs 218Roll pairs 218Roll pairs 218Roll pairs 219Roll pairs 210Roll pairs	1/3		21/	
175 Roll bearing guards 216 Feeder controlled plunger actuation 176 Roll pairs actuation 177 Glass making 217 Box traversing spreader 178 Platen or piston type (e.g., ejector) 179 .Plunger and casing type 219 .With material displacing means 180 With successive charge	171			
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155 G	_		216	
177		-	217	***************************************
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CLASS 100 PRESSES 100 - 5

246	Movable or removable box	269.18	Rod, piston, or cylinder detail
	section	269.19	Cylinder position adjustment
247	Separable box head and box frame	269.2	Platen pivotally connected to piston or rod
248	Insert of false head	269.21	Gasket or packing around
249	With guided motion		piston
250	Pivoted	273	.Speed or power variable by power
251	Axially slidable		path selection
252	Separable box frame sections	274	.Intermittent actuator
253	Piston operator actuated	275	Plural
	frame section	276	Acting at opposite ends of
254	Counterbalanced		cross bar on movable platen
255	Hinged	277	Cross connected alternately
256	.Platen tripped stop or reverse		acting
257	.Range of movement adjustment	278	.Flexible element actuator
258 R	.Platen level compensating	279	Varying radius windlass
258 A	Parallel pressure surfaces	280	.With mechanical force multiplier
259	.With plunger return cushioning	281	Transversely forced linkage
260	.With actuation releasing for		joint (single toggles here)
	rebounding or biased return	282	Shaft turned cam or crank and
261	Over center releasing		pitman
262	Disengaging rack and pinion	283	Lever in linkage
263	Interruption in rotated camming	284	Lever carried toothed sector
	surface	285	Plural
264	.Opposed platens both actuated	286	Plural toggle joints
265	.Spring or weight	287	Screw and nut between joints
266	Return bias	288	Rack and pinion
267	Opposing flexible element	289	Screw and nut
	actuator	290	Plural screws
268	Interposed in actuating	291	Cam or tapering wedge
	mechanism	292	Rotary or swinging
269.01	.Fluid pressure actuation	293	Fixed fulcrum lever
270	Combined with mechanical	294	Plural oppositely moving struts
	actuation	295	PLATENS OR PRESSURE SURFACES
271	Mechanical force mutiplier	296	.Flexibly connected opposed
272	Toggle	297	.Porous mats
269.02	Platen moved by elastically	298	CLOTHS FROM CAKE STRIPPERS
	deformable pressure member	299	MISCELLANEOUS
269.03	Plural pressure members		
269.04	Inflatable bag		
269.05	Pressure intensifier		
269.06	Multiple or staged driving	CROSS-R	EFERENCE ART COLLECTIONS
	means		
269.07	Displacement additive	901	SCRAP AUTO BODY CRUSHERS
269.08	Pressure additive	902	CAN CRUSHERS
269.09	Axially aligned pistons	903	PELLETERS
269.1	Independently actuated	904	.Screw
269.11	Pull-down press	905	.Inner roll
269.12	Platen positioning means	906	.Reciprocating
269.13	Pull-down press	907	.Reciprocating .Rotary
269.14	Fluid supply system detail	907	.Series rolls
269.15	Manually operable fluid system	909	.Series folis .Adjustable die openings
269.16	Particular valve feature	910	MEAT
269.17	Frame assembly detail	911	JET OR EXPLOSIVE
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100 - 6 CLASS 100 PRESSES

912	BINDER CONTAINERS
913	TRUSS PRESSES
914	SCRAP PAPER
915	FIXED UPPER RAM, LOWER MOVABLE
	RECEPTACLE
916	COIL TIGHTENER AND BINDER
917	MAGNETIC
918	BOLSTER AND DIE

FOREIGN ART COLLECTIONS

FOR	CLASS-RELATED FOREIGN DOCUMENTS WITH ADDITIONAL TREATMENT OF MATERIAL (100/70 R)
	.Heating, cooling, or drying
	(100/92)

FOR 100 ...In press (100/93R)

FOR 101 ...Platen press (100/93P)

FOR 102Brake lining (100/93PB)

FOR 103 ...Roll press (100/93RP)

FOR 104 ...Screw press (100/93S)