

275	BEVERAGE	309	.....Selective supply
276	.Primary-alcoholic fermentations with subsequent and/or prior operations	310	.....Fountain type
277	.Post-primary-alcoholic fermentation operations	311	.....With overflow
277.1	..Aging, refining and purifying	312	.....With distributor
277.2	..With agitating means	313	.....Fountain type
278	.Hopping, wort-making or ante- primary alcoholic fermentation operations	314	.....With distributor
279	.Infusors	315	.....With distributor
280	..Automatic control	316	..Plural compartment
281	...Of heat	317	...Inner foraminous receptacle
282	....And infusive contact	318	...Movable or adjustable
283	...Of infusive contact	319	....Vertical
284	..Convertible	320	.....Float
285	..With signal, indicator or observation means	321	....Textile type
286	..With prior handling or treating (e.g., roasting or grinding)	322	....Suspended
287	..With agitating or compacting	323	..Infusing receptacles
288	..With cooking or heating means	323.1	.With gas treating means
289 R	..With infusive material feeding and/or discharging	323.2	..Carbonic acid and flavoring material
289 T	...Tape	323.3	.Hot beverage means
289 D	...Drum brewer	323.4	CEREAL-PUFFING
289 P	...Plate brewer	323.5	.Corn-popper type
290	..Combined	323.6	..Coin control
291	..Plural infusors	323.7	..Automatic control or time means
292	..Pressure-vacuum or reflex type	323.8	..With addition of flavoring material
293	..Steamer or condenser type	323.9	..With feeding, conveying or discharging
294	..With additional liquid supply means	323.11	...Separating discharge
295	..Cartridge type	323.12	VINEGAR-MAKING
296	..Invertible type	324	COOKING
297	..Plunger type	325	.Automatic control
298	..Plural bed or filter type	326	..Of heat and material
299	..With infusive rate or interval control means	327	...By time
300	..With liquid supply or directing means	328	....And heat responsive means
301	...Liquid trap	329 R	...By heat responsive means
302 R	...Force feed infusor	329 P	....Power operated carriage
303	....Underfeed	329 RT	....Relative movement, toast and support
302 C	....Centrifugal	330	..Of cooking fluid
302 FB	....Flexible bulb	331	..Of heat or heater
302 P	....Piston	332	...By time
304	...Gravity feed infusor	333	....And heat responsive means
305	....With supply regulator	334	..Of material
306	....Drip chamber type	335	...By time
307	....With force feed supply	336	....Egg boiler or deep fat fryer type
308	.....Recycling or repercolating	337	.Intercontrol or safety control
		338	..Of heat and material
		339	.Diverse cooker types
		340	.Convertible
		341	.With observation means
		342	.With signal, indicator or tester
		343	..Gauge or gauge markings

344	..Alarm	384	...Elongate article forming or receiving
345	..With basting or solid applying means	385	..Slice toaster or broiler (e.g., grid types)
346	..Liquid elevating means	386	..With conveyer
347	..Condensing or self basting	387	...With magazine supply
348	..With stirring	388	..With marking or uniform coloring
349	..With material pressing means (e.g., ham boilers)	389	..Opposed heater type
350	..Band or binder type	390	...Movable or adjustable heater
351	..Spring biased	391	...Movable or adjustable carrier or grid
352	..With other treating or handling of material	392	...Removably guided
353	..Changing form or shape	393	..Movably or adjustably supported carrier or grid
354	...Ring or hollow article (e.g., dough-nut)	394	...Hand-held type
355	..Subsequent treating or handling	395	...With turning feature
356	...Receptacle filling or closing	396	...Interchangeable position type
357	..Combined	397	...Rotary invertible
358	..Electrode type	398	...Displaceable pivot
359	..Filled receptacle type	399	...Removably guided
360	..With conveyer	400	..With drip or crumb receiving means
361	...Successive treating zones or units	401	..With heat distributor, baffle or enclosure
362	...Single endless conveyer	402	..Hanged or separable grids
363	...Variable length of path	403	..Boiler or deep fat fryer type
364	...Rollway type	404	..With conveyer
365	...Helical type	405	...For buoyant material
366	..Valved receptacle inlet or outlet	406	...Fluid current
367	..Plural treating units or zones	407	..With feeding and/or discharging
368	...Fluid interchange	408	..With crumb or sediment segregating or handling
369	..With hold-down or presser	409	..With turning, agitating or inverting
370	..Plural treating fluids	410	..Elevated, steaming or draining position
371	..Movable retort or support	411	...Unilaterally supported
372	..Opposed heated mold or surface type (e.g., waffle iron)	412	...Bayonet type support
373	..With feeding, conveying and/or discharging	413	...Rim engaging support
374	..Plural units	414	...Bail or flexibly suspended
375	..With drip or waste receptor, director or trimmer	415	...Bottom resting support
376	..Detachable or convertible surface	416	..Plural food support
377	..Movably supported surfaces	417	...Superposed or steaming
378	..Electric feature	418	..Bottom resting support
379	..Adjustable separation	419	..Spit or impaling type
380	..Movably connected mold sections	420	..With conveyer
381	...Composite article forming or receiving	421 R	..Movably or adjustably supported
382	...Hollow article forming or receiving	421 A	...Hand held
383	...Edible container	421 H	...Horizontal axis
		421 HH	...Horizontally adjustable
		421 HV	...Vertically adjustable
		421 M	...Heat actuated motor

421 P	...Planetary	452	MECHANICAL, FLUID OR HEAT
421 TP	...Temperature		TREATMENT OF DAIRY FOOD
421 V	...Non-horizontal axis	453	.With temperature or atmosphere modification
422	..Imperforate sheet or griddle type	454	..By vacuum
423	..With feeding, discharging and/or movably supporting	455	..By lowering temperature
424	...Pivoted section	456	.With isolation of a watery constituent
425	..Drip segregating, receiving or directing	457	..Including roller-press and drain
426	..Confining, conforming or molding support	458	..By reticulated member
427	..Movably mounted	459	...With prior mechanical treatment (e.g., churning)
430	..Mold with dynamic scoring or severing means	460	.By actuated surface
431	..Dipping form	461	..Including plural, relatively movable surfaces
432	..Mold for forming sheet material, e.g., pie crust	462	...Plural revolving surfaces having parallel axes
433	...Including pie rim clamp or guard	463	...Planetating surfaces
439	..Press-couple mold	464	..Including rolling surface
428	..Shaping core mold	465	..And reticulated member
440	..For ball or egg shaped article	466	..Including revolving surface
441	..For elongate or sausage shaped article	467	SUBJECTING FOOD TO AN ENCLOSED MODIFIED ATMOSPHERE
442	..For ring shaped or hollow article	468	.Automatic control or time means
443 R	..With conveyor or movably supported	469	.With removal of solid foreign matter
443 C	..Conveyor	470	.With sequential heating and cooling
444	..With drip segregating, receiving or directing	471	.In gravity-feed enclosure
445	..Channelled gridiron	472	.Vacuum-producing means
446	..Subjacent receptacle or director	473	.Including means to influence movement of gas within enclosure
447	..With heat distributor	474	..By forcing gas to circulate
448	..Plural food support	475	...By plural means
449	..Collapsible, expansible or sectional support	476	...Rotary pump
450	..Foraminous support	477	..With means to move food
450.1	EDIBLE LAMINATED PRODUCT MAKING APPARATUS	478	...Non-rectilinear movement
450.2	..Means forming or reshaping plural sheets or webs	479	...Circular movement of food support
450.3	..Pie machine	480	..By movable damper
450.4	..Means assembling preforms into a sandwich	481	..By static deflector (e.g., smoke)
450.5	..Manually assisted	482	.With separate support for fume-producing material
450.6	..Shell forming means and filling means	483	NON-COOKING HEAT TREATMENT OF FOOD
450.7	..Means feeding diverse center material	484	COMBINED
450.8	..Puncturing injector	485	MEANS TO TREAT FOOD
451	ELECTRIC, RADIANT OR VIBRATIONAL TREATING MEANS	486	.Automatic control or time means
		487	..Regulating amount of liquid applied to food
		488	..Of grain flow

489	..By food	527	....By valved gas passages
490	...Core-pit detector	528	....With screen to separate products
491	...To adjust or position tool	529	....Interrelated drive means for huller and gas-move
492	..By safety means	530	.....Gas-mover integral with huller
493	..With condition-indicator	531	.....Gas-mover coaxially separated from huller
494	..By stuffing or applying particulate material	532	..By injecting needle
495	..By isolating a fluid constituent	533	...With means to move needle or work
496	..By separating liquids having distinct characteristics	534	..Particular liquid
497	...Separating egg-white from yolk	535	...Brine
498	....And removing shell	536	...Water
499	....By receptacle separating one egg-yolk from one egg-white	537	..Subdividing into plural products
500	.....Having means to pivotally move receptacle	538	..Separating one internal portion from another
501	..By a rotary food-entering member	539	...Removing external portion
502	...With axial actuation	540	....Skin
503	...With a rotating foraminous separator	541	.....By paring
504	...With coating food-holder	542	.....And removing cylindrical core
505	..Manually actuated	543	.....And slicing
506	..By static food-entering member	544	...Removing cylindrical core
507	...And means to move food to member	545	....And slicing
508	...And foraminous separator	546	...By cutting stem-end or blossom-end
509	..With cutting	547	...Removing core-pit
510	...By comminuting	548	....By separator moving with moving food (e.g., flying)
511	....And a centrifugal extractor	549	....And orienting core-pit axis relative to separator
512	.....With handling means	550	.....By irregularity in outer surface of food
513	....With foraminous separator adjacent comminutor	551	...By gripping and twisting
514	..Recovery of propagative seed	552	...Severing and pitting simultaneously
515	..Internal severing by flexible tool or yieldable tool support	553	....By arcuate cutter separating pit
516	..By applying fluid	554	.....By removing severed portion from immobilized pit
517	..With cooling	555	.....By forcing pit
518	..With disjoining hull from grain	556	.....Through orifice
519	...By projecting grain against surface	557	...By plural impaling means
520	...Plural hulling zones	558	....By parallel, cooperating cylinders, one resilient, one impaling
521	....Including coating, relatively rotating imperforated surfaces	559	...By incision-type-punch and die
522	....Having plural, rotary, multiperforated surfaces	560	....And food handling means
523	...With means to vary spacing between hulling surfaces	561	.....Apertured, orbitally traveling, handling means
524	...And varying flow of grain	562	....By pitting severed food
525	...Directing gas adjacent hulling zone		
526	....Internally and externally of hulling zone		

563	.....Severing followed by pitting	598	.....Tool pivots in plane perpendicular to food axis
564	....By arcuate cutter or gripping means	599	.....Tool arm pilots on rotatable carrier
565	....By forcing flesh or pit through opening	600	....Grain hulling
566	.....Ribbed rotating disc or cylinder	601	.....With means to segregate diverse materials
567	..Separating one external portion from the remaining food	602	.....By hulling means
568	...Removing shell	603	.....Moving perforated surface
569	....With sorting	604	.....With nonperforated hulling surface area
570	.....By fluid	605	.....Cylindrical or conical perforated enclosure
571	....By sudden-impact	606	.....With axially extending nonperforated hulling portion
572	....By means to set, look and actuate separating means according to shell size	607	.....With additional hulling surface characteristics on enclosure
573	.....Including pawl and ratchet lock means	608	.....Enclosing a rotating, yieldably hulling element
574	....By rotating separating means	609	....With mechanism to feed or discharge material
575	.....Relative movement between adjacent irregular surfaces	610	.....Integral with moving hulling member
576	.....Disc or saw separating means	611	.....With discharge control
577	....By biased breaking member	612	.....By plural hulling zones
578	.....Biased away from shell-contacting position	613	.....Serial zones
579	....With adjustment of a separating member	614	.....Axially spaces zones
580	....With discharge feature	615	.....With interior partition
581	....By relatively movable shell contacting means	616	....By endless-belt hulling surface
582	.....With means to restrain food prior to or during shell-breaking	617	....By rotating surface
583	.....With means to fasten apparatus to support	618	.....Adjustably or yieldably mounted hulling surface
584	...Removing skin	619	.....Including a screw-threaded mounting
585	....By pinching roller	620	.....Deformable hulling surface
586	....By resilient conduit	621	.....With additional rotating surface
587	....By gripper means	622	.....Radial hulling surface
588	....By paring tool	623	....By abrading or resilient separating means
589	.....And means to move food past stationary or vibrating tool	624	.....Two elements move at different speeds
590	.....Arcuately shaped tool	625	.....Adjacent separating elements
591	.....Plural tool means	626	.....Including brush means
592	.....With sectioning means	627	.....With rotating container
593	.....Tool rotates about its own axis	628	....Relatively moving adjacent surfaces
594	.....With means to hold and rotate food	629	.....Including tumbling means
595	.....And means to translate food past tool	630	.....Having a container which rotates, or has internal rotating abrading
596	.....Cutter has arcuate path around food		
597	.....Tool pivots transversely on reciprocating carrier		

- 631Vertical container with
rotating bottom
- 632With agitator or flow
control means
- 633Having irregularly
shaped bottom
- 634With food deflector
- 635 ...Removing stem-end or blossom-
end
- 636 ...Including blossom-end
- 637 ...Stemming
- 638And cluster breaking
- 639By means adjacent apertured
handling means
- 640By rollers
- 641By relative motion of
irregularly shaped element
- 642By penetrating cutter
- 643 ...With conveyor and positioning
means
- 644 **INCLUDING MEANS TO PERMIT
INVERSION OF FOOD**
- 645 **SHIELD OR SPACING ELEMENT**
- 646 R **MISCELLANEOUS**
- 646 S .Silos
- 646 C .Container
- 646 LS .Liquid-solid

FOREIGN ART COLLECTIONSFOR 000 **CLASS-RELATED FOREIGN DOCUMENTS****DIGESTS**

- DIG 10 **TEMPERATURE RESPONSIVE**
- DIG 11 **CONDUCTIVITY CONTROL**
- DIG 12 **SUPERSONIC**
- DIG 13 **ELECTRICAL DEPOSITION**
- DIG 14 **INDUCTION HEATING**
- DIG 15 **PIE PANS**