BEVERAGE

Primary-alcoholic fermentations with subsequent and/or prior operations

Post-primary-alcoholic fermentation operations

Aging, refining and purifying

With agitating means

Hopping, wort-making or ante-primary alcoholic fermentation operations

Infusors

Automatic control

...Of heat

...And infusive contact

...Of infusive contact

...Convertible

...With signal, indicator or observation means

...With prior handling or treating (e.g., roasting or grinding)

...With agitating or compacting

...With cooking or heating means

R ...With infusive material feeding and/or discharging

T ...Tape

D ...Drum brewer

P ...Plate brewer

...Combined

...Plural infusors

...Pressure-vacuum or reflex type

...Steamer or condenser type

...With additional liquid supply means

...Cartridge type

...Invertible type

...Plunger type

...Plural bed or filter type

...With infusive rate or interval control means

...With liquid supply or directing means

...Liquid trap

...Force feed infusor

...Underfeed

C ...Centrifugal

FB ...Flexible bulb

P ...Piston

...Gravity feed infusor

...With supply regulator

...Drip chamber type

...With force feed supply

...Recycling or repercolating

......Selective supply

......Fountain type

......With overflow

......With distributor

......Fountain type

......With distributor

......With distributor

...Plural compartment

...Inner foraminous receptacle

...Movable or adjustable

......Vertical

...Float

...Textile type

...Suspended

...Infusing receptacles

...With gas treating means

...Carbonic acid and flavoring material

...Hot beverage means

CEREAL-PUFFING

Corn-popper type

...Coin control

...Automatic control or time means

...With addition of flavoring material

...With feeding, conveying or discharging

...Separating discharge

VINEGAR-MAKING

COOKING

Automatic control

...Of heat and material

...By time

...And heat responsive means

...By heat responsive means

...Power operated carriage

.........Relative movement, toast and support

...Of cooking fluid

...Of heat or heater

...By time

...And heat responsive means

...Of material

...By time

.........Egg boiler or deep fat fryer type

.Intercontrol or safety control

...Of heat and material

.Diverse cooker types

(Convertible

...With observation means

...With signal, indicator or tester

...Gauge or gauge markings
344 Alarm
345 With basting or solid applying means
346 Liquid elevating means
347 Condensing or self basting
348 With stirring
349 With material pressing means (e.g., ham boilers)
350 Band or binder type
351 Spring biased
352 With other treating or handling of material
353 Changing form or shape
354 Ring or hollow article (e.g., dough-nut)
355 Subsequent treating or handling
356 Receptacle filling or closing
357 Combined
358 Electrode type
359 Filled receptacle type
360 With conveyor
361 Successive treating zones or units
362 Single endless conveyor
363 Variable length of path
364 Rollway type
365 Helical type
366 Valved receptacle inlet or outlet
367 Plural treating units or zones
368 Fluid interchange
369 With hold-down or presser
370 Plural treating fluids
371 Movable retort or support
372 Opposed heated mold or surface type (e.g., waffle iron)
373 With feeding, conveying and/or discharging
374 Plural units
375 With drip or waste receptor, director or trimmer
376 Detachable or convertible surface
377 Movable supported surfaces
378 Electric feature
379 Adjustable separation
380 Movable connected mold sections
381 Composite article forming or receiving
382 Hollow article forming or receiving
383 Edible container
384 Elongate article forming or receiving
385 Slice toaster or broiler (e.g., grid types)
386 With conveyor
387 With magazine supply
388 With marking or uniform coloring
389 Opposed heater type
390 Movable or adjustable heater
391 Movable or adjustable carrier or grid
392 Removably guided
393 Movable or adjustably supported carrier or grid
394 Hand-held type
395 With turning feature
396 Interchangeable position type
397 Rotary invertible
398 Displaceable pivot
399 Removably guided
400 With drip or crumb receiving means
401 With heat distributor, baffle or enclosure
402 Hanged or separable grids
403 Boiler or deep fat fryer type
404 With conveyor
405 For buoyant material
406 Fluid current
407 With feeding and/or discharging
408 With crumb or sediment segregating or handling
409 With turning, agitating or inverting
410 Elevated, steaming or draining position
411 Unilaterally supported
412 Bayonet type support
413 Rim engaging support
414 Bail or flexibly suspended
415 Bottom resting support
416 Plural food support
417 Superposed or steaming
418 Bottom resting support
419 Spit or impaling type
420 With conveyor
421 R Movable or adjustably supported
421 A Hand held
421 H Horizontal axis
421 HH Horizontally adjustable
421 HV Vertically adjustable
421 M Heat actuated motor
421 P ...Planetary
421 TP ...Temperature
421 V ...Non-horizontal axis
422 .Imperforate sheet or griddle
   type
423 ..With feeding, discharging and/
   or movably supporting
424 ...Pivoted section
425 ..Drip segregating, receiving or
   directing
426 .Confining, conforming or molding
   support
427 ...Movably mounted
430 ...Mold with dynamic scoring or
   severing means
431 ...Dipping form
432 ...Mold for forming sheet
   material, e.g., pie crust
433 ...Including pie rim clamp or
   guard
439 ...Press-couple mold
428 ...Shaping core mold
440 ...For ball or egg shaped article
441 ...For elongate or sausage shaped
   article
442 ...For ring shaped or hollow
   article
443 R With conveyor or movably
   supported
443 C ...Conveyor
444 ...With drip segregating, receiving
   or directing
445 ...Channelled gridiron
446 ...Subjacent receptacle or
   director
447 ...With heat distributor
448 ...Plural food support
449 ...Collapsible, expansible or
   sectional support
450 ...Foraminous support
450.1 EDIBLE LAMINATED PRODUCT MAKING
   APPARATUS
450.2 ...Means forming or reshaping
   plural sheets or webs
450.3 ...Pie machine
450.4 ...Means assembling preforms into a
   sandwich
450.5 ...Manually assisted
450.6 ...Shell forming means and filling
   means
450.7 ...Means feeding diverse center
   material
450.8 ...Puncturing injector
451 ELECTRIC, RADIANT OR VIBRATIONAL
   TREATING MEANS
452 MECHANICAL, FLUID OR HEAT
   TREATMENT OF DAIRY FOOD
453 .With temperature or atmosphere
   modification
454 ..By vacuum
455 ..By lowering temperature
456 .With isolation of a watery
   constituent
457 ..Including roller-press and
   drain
458 ..By reticulated member
458 ..With prior mechanical
   treatment (e.g., churning)
460 .By actuated surface
461 ..Including plural, relatively
   movable surfaces
462 ...Plural revolving surfaces
   having parallel axes
463 ...Planetating surfaces
464 ...Including rolling surface
465 ...Including revolving surface
466 SUBJECTING FOOD TO AN ENCLOSED
   MODIFIED ATMOSPHERE
467 .Automatic control or time means
468 ...With removal of solid foreign
   matter
469 ...With sequential heating and
   cooling
470 ...In gravity-feed enclosure
471 ...Vacuum-producing means
472 ...Including means to influence
   movement of gas within
   enclosure
473 ...By forcing gas to circulate
474 ...By plural means
475 ...Rotary pump
476 ...With means to move food
477 ...Non-rectilinear movement
478 ...Circular movement of food
   support
479 ...By movable damper
480 ...By static deflector (e.g.,
   smoke)
481 ...With separate support for fume-
   producing material
482 NON-COOKING HEAT TREATMENT OF
   FOOD
483 COMBINED
484 MEANS TO TREAT FOOD
485 .Automatic control or time means
486 ...Regulating amount of liquid
   applied to food
487 ...Of grain flow

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...By food
...Core-pit detector
...To adjust or position tool
...By safety means
...With condition-indicator
...By stuffing or applying particulate material
...By isolating a fluid constituent
...By separating liquids having distinct characteristics
...Separating egg-white from yolk
...And removing shell
...By receptacle separating one egg-yolk from one egg-white
...Having means to pivotally move receptacle
...By a rotary food-entering member
...With axial actuation
...With a rotating foraminous separator
...With coacting food-holder
...Manually actuated
...By static food-entering member
...And means to move food to member
...And foraminous separator
...With cutting
...By comminuting
...And a centrifugal extractor
...With handling means
...With foraminous separator adjacent comminutor
.Recovery of propagative seed
.Internal severing by flexible tool or yieldable tool support
...By applying fluid
...With cooling
...With disjoining hull from grain
...By projecting grain against surface
...Plural hulling zones
...Including coacting, relatively rotating imperfected surfaces
...Having plural, rotary, multiperforated surfaces
...With means to vary spacing between hulling surfaces
...And varying flow of grain
...Directing gas adjacent hulling zone
...Internally and externally of hulling zone
...By valved gas passages
...With screen to separate products
...Interrelated drive means for huller and gas-move
...Gas-mover integral with huller
...Gas-mover coaxially separated from huller
...By injecting needle
...With means to move needle or work
.Partial liquid
...Brine
...Water
.Subdividing into plural products
.Separating one internal portion from another
...Removing external portion
...Skin
...By paring
...And removing cylindrical core
...And slicing
...Removing cylindrical core
...And slicing
...By cutting stem-end or blossom-end
...Removing core-pit
...By separator moving with moving food (e.g., flying)
...And orienting core-pit axis relative to separator
...By irregularity in outer surface of food
...By gripping and twisting simultaneously
...Severing and pitting
...By arcuate cutter separating pit
...By removing severed portion from immobilized pit
...By forcing pit
...Through orifice
...By plural impaling means
...By parallel, cooperating cylinders, one resilient, one impaling
...By incision-type-punch and die
...Apertured, orbitally traveling, handling means
......Severing followed by pitting
......By arcuate cutter or gripping means
......By forcing flesh or pit through opening
......Ribbed rotating disc or cylinder
......Separating one external portion from the remaining food
......Removing shell
......With sorting
......By fluid
......By sudden-impact
......By means to set, look and actuate separating means according to shell size
......Including pawl and ratchet lock means
......By rotating separating means
......Relative movement between adjacent irregular surfaces
......Disc or saw separating means
......By biased breaking member
......Blazed away from shell-contacting position
......With adjustment of a separating member
......With discharge feature
......By relatively movable shell contacting means
......With means to restrain food prior to or during shell-breaking
......With means to fasten apparatus to support
......Removing skin
......By pinching roller
......By resilient conduit
......By gripper means
......By paring tool
......And means to move food past stationary or vibrating tool
......Arcutely shaped tool
......Plural tool means
......With sectioning means
......Tool rotates about its own axis
......With means to hold and rotate food
......And means to translate food past tool
......Cutter has arcuate path around food
......Tool pivots transversely on reciprocating carrier

.......Tool pivots in plane perpendicular to food axis
.......Tool arm pilots on rotatable carrier
.......Grain hulling
.......With means to segregate diverse materials
.......By hulling means
.......Moving perforated surface
.......With nonperforated hulling surface area
.......Cylindrical or conical perforated enclosure
.......With axially extending nonperforated hulling portion
.......With additional hulling surface characteristics on enclosure
.......Enclosing a rotating, yieldably hulling element
.......With mechanism to feed or discharge material
.......Integral with moving hulling member
.......By plural hulling zones
.......Serial zones
.......Axially spaces zones
.......With interior partition
.......By endless-belt hulling surface
.......By rotating surface
.......Adjustably or yieldably mounted hulling surface
.......Including a screw-threaded mounting
.......Deformable hulling surface
.......With additional rotating surface
.......Radial hulling surface
.......By abrading or resilient separating means
.......Two elements move at different speeds
.......Including brush means
.......With rotating container
.......Relatively moving adjacent surfaces
.......Including tumbling means
.......Having a container which rotates, or has internal rotating abrading
631 .......Vertical container with rotating bottom
632 .......With agitator or flow control means
633 .......Having irregularly shaped bottom
634 .......With food deflector
635 ....Removing stem-end or blossom-end
636 ....Including blossom-end
637 ....Stemming
638 ....And cluster breaking
639 .....By means adjacent apertured handling means
640 .....By rollers
641 .....By relative motion of irregularly shaped element
642 .....By 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 COLLECTIONS

FOR 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