2	BATTERY-GRID MAKING	16	RAILWAY-CHAIR MAKING
2.1	BIAS (I.E., HELICALLY) CUTTING OF	17.1	FOIL OR OTHER THIN SHEET-METAL
	TUBULAR STOCK		MAKING OR TREATING
2.11	.Including orbital cutter	17.2	.Method
2.12	Within stock support	17.3	Clad or other composite foil or
2.13	With orbiting strip accumulator		thin metal making
2.14	.Including means to inflate stock	17.4	With assembling or
2.15	.With means to feed stock along		disassembling of a pack
	support or mandrel	17.5	Using transitory solid cover material
2.16	Single means produces compound motion	17.6	Including bond prevention
2.17	Endless belt drive means		treatment
2.18	Axially	17.7	Disassembling of a pack
2.19	Rotatably	17.8	By shaving or longitudinal
2.2	.With means to rotate and store		cutting
	stock supply	17.9	Using transitory material
2.21	Axis of rotation parallel to	18.1	.Means for opening or separating
	support or mandrel	2.0	a pack
2.22	.With means for arcuate shift of	20	SPECTACLE-FRAME MAKING
	mandrel	20.1	SPIRAL CUTTING OF FLAT STOCK
2.23	.Including means to handle	21	STEREOTYPE-PLATE FINISHING
	produced strip or web	21.1	MEANS FOR FORMING CLENCH-TONGUE (E.G., FOR TIEBAND)
2.24	With common adjustment for	22	TIRE UPSETTING, WITH CUTTING,
	cutter	22	PUNCHING, ETC.
2.25	.Method	23.1	TOOTHED-CYLINDER MAKING APPARATUS
3	BUCKLE MAKING	23.1	(E.G., TEXTURE WORKING
4	BUTTON-FASTENER MAKING		CYLINDER)
4.51	SHREDDING METAL OR METAL WOOL	00 E1	•
	ARTICLE MAKING	23.51 24	IMPELLER MAKING APPARATUS
4.52	.Metal wool making	24.5	TYPE FINISHING AND GROOVING
4.53	Shaving or longitudinal cutting	24.5	VENETIAN BLIND ASSEMBLING
4.54	Soap-pad making		UMBRELLA-FRAME MAKING BARRIER LAYER OR SEMICONDUCTOR
4.55	.Metal wool bundling	25.01	DEVICE MAKING
4.56	Soap-pad making	25.02	.Barrier layer device making
4.6	CORD HEDDLE MAKING	25.02	Electrolytic device making
5	COTTER-PIN MAKING	23.03	(e.g., capacitor)
6.01	CRANKSHAFT MAKING APPARATUS	25.35	PIEZOELECTRIC DEVICE MAKING
6.1	EXPANDED METAL MAKING	25.41	ELECTRIC CONDENSER MAKING
6.2	.By use of reciprocating		
	perforator	25.42	.Solid dielectric type
7	EYEBOLT OR HOOK MAKING	76.1	FILING
7.1	FENCE BARB MAKING	76.2	Of key article
7.2	.By use of reciprocating cutter	76.3 76.4	.Continuous band type .Reciprocating type
	or die	76.4 77	
7.3	.By use of rotary cutter or die		.File-blank stripper SCALE REMOVER OR PREVENTOR
8	FINGER-RING FORMING OR SIZING	81.01	
9	FISHHOOK MAKING	81.02	.For hollow workpiece
10	GEM AND JEWEL SETTING	81.021	Interior surface
11	HINGE MAKING OR ASSEMBLING	81.03	.Rolling deformation or
12	LACING-STUD MAKING	01 04	deflection
13	PAPER-FASTENER MAKING	81.04	For wire or rod
14	PLOW OR CULTIVATOR IRON MAKING	81.05	.With rotary head
15	PUDDLERS BALLS MAKING	81.06	.Fluid impingement

81.07	With heater	603.03	5
81.08	Liquid jet	603.04	Mounting preformed head/core
81.09	Airblast		onto other structure
81.1	.Chainer	603.05	Mounting multitrack head
81.11	.Scraper or scalper	603.06	With bonding
81.12	.Brush type	603.07	Fabricating head structure or
81.13	.Mechanically powered operator		component thereof
81.14	Tack or needle type	603.08	Treating to affect magnetic
81.15	Hammer		properties
81.16	Blade or chisel	603.09	Including measuring or
81.17	.Hand tool		testing
89.5	BURNING IN, WEARING IN, OR OIL	603.1	Using reference point/
	BURNISHING		surface to facilitate
90.01	BURNISHING		measuring
90.1	.Of water laid fibrous article	603.11	With dual gap materials
JU.1	(e.g., paper)	603.12	With significant slider/
90.2	Heated burnishing member		housing shaping or treating
90.3	Burnishing tool reciprocates	603.13	Depositing magnetic layer
90.3	across work surface	000.10	or coating
90.5	.Continuous feed	603.14	3
90.5		003.11	layers
	Of gear article	603.15	-
90.7	.By shot peening or blasting	003.13	of magnetic material
91	UPHOLSTERED ARTICLE MAKING	603.16	_
91.1	Method	003.10	(e.g., grinding, etching,
91.2	Tufting		polishing)
91.3	With means to clench fastener	603.17	
91.4	With means to insert guide pin	603.18	
	or fastener	603.19	Multitrack heads having
91.5	.Cover stretching	003.13	integral holding means
91.6	.Edge-roll forming	603.2	With bond/laminating
91.7	.Form or holder	003.2	preformed parts, at least two
91.8	With follower		magnetic
592	METHOD OF MECHANICAL MANUFACTURE	603.21	Using glass bonding
592.1	.Electrical device making	003.21	material
593	Including measuring or testing	603.22	With work positioning means
	of device or component part	603.22	Providing winding
594	Acoustic transducer	603.24	Multilayered winding
595	Indicating transducer		
596	Dynamoelectric machine		By coating
597	Commutator or slip ring	603.26	Preformed winding
	assembly	603.27	Specified diverse magnetic
598	Rotor	604	materials
599	Superconductor	604	Data storage inductor or core
600	Antenna or wave energy	605	By winding or coiling
	"plumbing" making	606	By assembling coil and core
601	With other electrical	607	Including permanent magnet or
	component		core
602.1	Electromagnet, transformer or	608	From comminuted material
	inductor	609	Laminated
603.01	Magnetic recording reproducing	609.1	Acoustic transducer
	transducer (e.g., tape head,	610.1	Resistor making
	core, etc.)	611	Heater type
603.02	Including dissassembly step	612	Thermally variable

613	With envelope or housing	845	With shaping or forcing
614	Filling with powdered		terminal into base aperture
	insulation	846	Manufacturing circuit on or
615	With direct compression of		in base
010	powdered insulation	847	With selective destruction
616	Powdering the insulation	017	of conductive paths
	_	010	-
617	By oxidation	848	With molding of insulated
618	With winding	0.4.0	base
619	Applying terminal	849	Simultaneous circuit
620	Coating resistive material on		manufacturing
	a base	850	By using wire as conductive
621	Applying terminal		path
621.1	Strain gauge making	851	With sintering of base
622	Switch making	852	By forming conductive walled
623	Fuse making		aperture in base
623.1	Electric battery cell making	853	With deforming of
623.2	Including sealing		conductive path
623.3	Including laminating of	854	Assembling electrical
023.3	indefinite length material		component directly to terminal
602 4	_		or elongated conductor
623.4	Including adhesively bonding	855	With encapsulating
623.5	Including coating or	856	
	impregnating	856	By molding of insulating
825	Conductor or circuit	0.5.5	material
	manufacturing	857	Assembling terminal to
826	Brush		elongated conductor
827	Beam lead frame or beam lead	858	With molding of electrically
	device		insulating material
828	Co-axial cable	859	By shrinking of cover
829	On flat or curved insulated	860	By metal fusion bonding
	base, e.g., printed circuit,	861	By deforming
	etc.	862	Of ferrule about conductor
830	Assembling bases		and terminal
831	Assembling formed circuit to	863	Of terminal
031	base	864	With forming eyelet from
832	Assembling to base an		elongated conductor
032		865	With penetrating portion
	electrical component, e.g.,	866	Through insulation
	capacitor, etc.		_
833	By utilizing optical	867	With insulation removal
	sighting device	868	Assembling elongated
834	With component orienting		conductors, e.g., splicing,
835	And shaping, e.g., cutting		etc.
	or bending, etc.	869	With end-to-end orienting
836	Different components	870	Including fluid evacuating
837	By inserting component lead		or pressurizing
	or terminal into base aperture	871	Including deforming of
838	With deforming of lead or		joining bridge
	terminal	872	With overlapping orienting
839	Including metal fusion	873	Including oppositely facing
840	By metal fusion		end orienting
841	With encapsulating, e.g.,	874	Contact or terminal
J 1 1	potting, etc.		manufacturing
842	Assembling terminal to base	875	By powder metallurgy
843		876	By assembling plural parts
	By metal fusion bonding	877	With bonding
844	By deforming or shaping	878	Of fused material
		070	OI TUBEU MALEITAI

879	Metal	888 072	Including casting or molding
880	By impregnating a porous		Including rolling or die
000	mass	000.075	forming, e.g., drawing,
881	By elastic joining		punching
882	With deforming	888.074	Including coating or plating
883	With molding of insulation		Including grinding or honing
884	Forming array of contacts or		Including machining or angular
001	terminals		cutting
885	With coating	888.08	Crankshaft making
886	Electret making		Connecting rod making
887	Insulator making		Including metallurgical
888	.Prime mover or fluid pump making		bonding
	I.C. (internal combustion)	888.092	Including metal forging or die
	engine making		shaping
888.011	Repairing, converting,	888.1	Camshaft making
	servicing or salvaging	888.2	Push rod or rocker arm making
888.012	Rotary or radial engine making	888.3	Seal or packing making
	Fluid pump or compressor making	888.4	Poppet or I.C. engine valve or
	Repairing, converting,		valve seat making
	servicing or salvaging	888.41	Valve guide making
888.022	Scroll or peristaltic type	888.42	Repairing, converting,
	Screw or gear type, e.g.,		servicing or salvaging
	Moineau type	888.43	Valve tappet making
888.024	Centrifugal type	888.44	Valve seat making
888.025	Vane type or other rotary,	888.45	Composite or hollow valve stem
	e.g., fan		or head making
888.03	Valve lifter making	888.451	Including forging
888.04	Piston making	888.452	Including extruding
888.041	Repairing, converting,	888.453	Including casting
	servicing or salvaging	888.46	With assembly or composite
888.042	Multi-element piston making		article making
888.043	Utilizing a high energy beam,	889	.Impeller making
	e.g., laser, electron beam	889.1	Repairing or disassembling
888.044	With assembly or composite	889.2	Turbomachine making
	article making	889.21	Assembling individual fluid
888.045	With thermal barrier or heat		flow interacting members,
	flow provision		e.g., blades, vanes, buckets,
888.046	With fiber reinforced		on rotary support member
	structure	889.22	Assembling fluid flow
888.047	By composite casting or		directing devices, e.g.,
	molding	000 00	stators, diaphragms, nozzles
	By coating or cladding	889.23	Shaping integrally bladed
888.049	Ring groove forming or	000 3	rotor
	finishing	889.3 889.4	Axial blower or fan
888.05	Gudgeon pin, wrist pin, piston	889.5	Centrifugal blower or fan
000 051	pin, or boss therefor	889.6	Fluid coupling device
888.051	With other attaching provision		Propeller making
000 00	for connecting rod	889.61 889.7	Utilizing hollow tube blankBlade making
888.06	Cylinder, cylinder head or	889.71	Composite blade
QQQ 061	engine valve sleeve makingWith liner, coating, or sleeve	889.72	Hollow blade
888.07	with liner, coating, or sleevePiston ring or piston packing		With cooling passage
000.07	making		Passage contains tubular
888 071	Including forging or hammering	505.722	insert
555.07I	rorging or manufering	890	.Catalytic device making
		330	. cacary cro device maning

890.01	.Rocket or jet device making	890.124	With assembly, disassembly or
890.02	.Burner, torch or metallurgical		composite article making
	lance making	890.125	Joining plural semi-circular
890.03	.Heat exchanger or boiler making		components
890.031	Repairing, converting,	890.126	With material shaping or
	servicing or salvaging		cutting
890.032	Heat pipe device making	890.127	Including molding or casting
	Solar energy device making	890.128	Including machining or
890.034	Regenerator or recuperator		drilling
	making	890.129	Including metallurgical
890.035	Cooling apparatus making, e.g.,		bonding
	air conditioner, refrigerator		Including metal deforming
	Tube inside tube	890.131	Including metallurgical
	Tube wound about tube		bonding
890.038	Tube joined to flat sheet	890.132	Including metal shaping and
	longitudinally, i.e., tube		diverse operation
	sheet	890.14	.Gas and water specific plumbing
	Sheet joined to sheet		component making
	With inserted tubes		Plumbing fixture making
890.041	Utilizing bond inhibiting		Nozzle making
	material		Sprayer
890.042	With subsequent fluid	890.144	Flexible conduit or fitting
	expansion		therefor
890.043	Tube joint and tube plate		Flue connector device making
	structure		Trap making
890.044	Including conduit expansion or		Return connector device making
	inflation	890 148	T-shaped fitting making
	Tube with heat transfer means		Elbow or L-shaped fitting
890.046	Tube with heat transfer meansFinned tube	890.149	Elbow or L-shaped fitting making
890.046	Tube with heat transfer means Finned tube Common fin traverses	890.149 890.15	<ul><li>Elbow or L-shaped fitting making</li><li>Ferrule making or reforming</li></ul>
890.046 890.047	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubes	890.149 890.15 891	<ul><li>Elbow or L-shaped fitting making</li><li>Ferrule making or reforming</li><li>.Agricultural device making</li></ul>
890.046 890.047 890.048	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finned	890.149 890.15 891	<ul><li>Elbow or L-shaped fitting making</li><li>Ferrule making or reforming</li><li>.Agricultural device making</li><li>Traction apparatus, e.g., for</li></ul>
890.046 890.047 890.048 890.049	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finned	890.149 890.15 891 891.1	<ul> <li>Elbow or L-shaped fitting making</li> <li>Ferrule making or reforming</li> <li>.Agricultural device making</li> <li>Traction apparatus, e.g., for tractor</li> </ul>
890.046 890.047 890.048 890.049	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece,	890.149 890.15 891 891.1	<ul> <li>Elbow or L-shaped fitting making</li> <li>Ferrule making or reforming</li> <li>.Agricultural device making</li> <li>.Traction apparatus, e.g., for tractor</li> <li>Harvester guard</li> </ul>
890.046 890.047 890.048 890.049 890.05	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assembly	890.149 890.15 891 891.1 891.2 892	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley making
890.046 890.047 890.048 890.049 890.05	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler making	890.149 890.15 891 891.1 891.2 892 892.1	<ul> <li>Elbow or L-shaped fitting making</li> <li>Ferrule making or reforming</li> <li>.Agricultural device making</li> <li>Traction apparatus, e.g., for tractor</li> <li>Harvester guard</li> <li>.Pulley making</li> <li>Assembly</li> </ul>
890.046 890.047 890.048 890.049 890.05 890.051 890.052	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold making	890.149 890.15 891 891.1 891.2 892.8 892.1	<pre>Elbow or L-shaped fitting   makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for   tractorHarvester guard .Pulley makingAssemblyWith shaping</pre>
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reforming	890.149 890.15 891 891.1 891.2 892 892.1	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding	890.149 890.15 891.8 891.1 891.2 892.8 892.1 892.11	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim groove
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making	890.149 890.15 891 891.1 891.2 892.8 892.1	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or	890.149 890.15 891.8 891.1 891.2 892.8 892.1 892.11 892.2	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054 890.06	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making	890.149 890.15 891.8 891.1 891.2 892.8 892.1 892.11 892.2 892.3	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear making
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust	890.149 890.15 891.8 891.1 891.2 892.8 892.1 892.11 892.2	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force
890.046 890.047 890.048 890.05 890.05 890.051 890.052 890.053 890.054 890.06 890.07	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making	890.149 890.15 891 891.1 891.2 892.8 892.1 892.11 892.2 892.3	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting device
890.046 890.047 890.048 890.049 890.05 890.051 890.052 890.053 890.054 890.06	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device	890.149 890.15 891.891.1 891.2 892.8 892.1 892.11 892.2 893.3	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mounting
890.046 890.047 890.048 890.059 890.051 890.052 890.053 890.054 890.06 890.07	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making	890.149 890.15 891.2 891.2 892.1 892.1 892.3 893.3	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shaping
890.046 890.047 890.048 890.05 890.05 890.051 890.052 890.053 890.054 890.06 890.07	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assembly .Boiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device	890.149 890.15 891.2 891.2 892.1 892.1 892.2 892.3 893.3 893.1	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gear
890.046 890.047 890.048 890.059 890.051 890.052 890.053 890.054 890.06 890.07 890.08	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making, e.g., ink jet	890.149 890.15 891.2 891.1 891.2 892.1 892.1 892.3 893.3 893.1 893.2 893.3 893.31 893.32	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll forming
890.046 890.047 890.048 890.059 890.051 890.052 890.053 890.054 890.06 890.07 890.08	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making, e.g., ink jet .Tapping device making	890.149 890.15 891.2 891.2 892.1 892.11 892.2 892.3 893.3 893.3 893.3 893.31 893.32 893.33	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll formingPunching or stamping
890.046 890.047 890.048 890.059 890.051 890.052 890.053 890.054 890.07 890.08 890.09 890.11	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making, e.g., ink jet .Tapping device making .Valve or choke making	890.149 890.15 891.1 891.2 892.8 892.1 892.11 892.2 893.3 893.31 893.32 893.33 893.34	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll formingPunching or stampingDie-press shaping
890.046 890.047 890.048 890.059 890.051 890.052 890.053 890.054 890.07 890.08 890.09 890.11	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making .Fluid pattern dispersing device making .Tapping device making .Valve or choke making .Repairing, converting,	890.149 890.15 891.2 891.1 891.2 892.1 892.1 892.3 893.3 893.31 893.3 893.31 893.32 893.33 893.34 893.35	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll formingPunching or stampingDie-press shapingGear tooth cutting
890.046 890.047 890.048 890.049 890.05 890.052 890.053 890.054 890.07 890.08 890.09 890.1	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedInternally finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making .Fluid pattern dispersing device making .Valve or choke making .Repairing, converting, servicing or salvaging	890.149 890.15 891.2 891.1 891.2 892.3 892.1 892.2 892.3 893.3 893.3 893.3 893.31 893.32 893.33 893.34 893.35 893.36	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll formingPunching or stampingDie-press shapingGear tooth cuttingGear blank making
890.046 890.047 890.048 890.049 890.05 890.052 890.053 890.054 890.07 890.08 890.09 890.1	Tube with heat transfer meansFinned tubeCommon fin traverses plurality of tubesHelically finnedMade from unitary workpiece, i.e., no assemblyBoiler makingHeader or manifold makingTube making or reformingWith metallurgical bonding .Accumulator making .Condenser, evaporator or vaporizer making .Muffler, manifold or exhaust pipe making .Fluidic or fluid actuated device making .Fluid pattern dispersing device making .Fluid pattern dispersing device making .Tapping device making .Valve or choke making .Repairing, converting,	890.149 890.15 891.2 891.1 891.2 892.1 892.1 892.3 893.3 893.31 893.3 893.31 893.32 893.33 893.34 893.35	Elbow or L-shaped fitting makingFerrule making or reforming .Agricultural device makingTraction apparatus, e.g., for tractorHarvester guard .Pulley makingAssemblyWith shapingDisc splitting to form pulley rim grooveGroove forming in sheet metal pulley rim .Gear makingAssembling of gear into force transmitting deviceGear mountingGear shapingWorm gearRoll formingPunching or stampingDie-press shapingGear tooth cutting

	Railway or trolley wheel making	895.213	Work contacting surface
	Multiple part or composite		having annular axial sections
	With axle or hub	895.22	Work contacting surface
	Steering wheel		element assembled to end
894.2	Material winding, e.g., reel,		support members
	spool	895.23	Includes securing removable
894.3	Land wheel		cover on roller
	Assembling tire to wheel body	895.3	Fabricating and shaping roller
	Disc type wheel		work contacting surface
894.321	Assembling wheel disc to rim		element
	and hub	895.31	
894.322	Assembling wheel disc to rim	895.32	3
894.323	With disc shaping		a core
894.324	Integral rim and disc making	895.33	One-piece roller making
894.325	Disc shaping	896.1	.Dental appliance making
894.33	Tensioned spoke type wheel	896.11	Orthodontic device making
	making	896.2	.Sound device making
894.331	Tensioning all spokes	896.21	Hearing aid component making
	simultaneously	896.22	Musical instrument or tuning
894.332	Tensioning spokes in series		fork making
	Tensioning spokes	896.23	Including diaphragm or support
	individually		therefor
894.34	Compression, e.g., nontension,	896.24	Phonograph component making
	spoke type wheel making	896.3	.Watch or clock making
894.341	Joining spokes to rim and hub	896.31	Having arbor, pinion, or
	Joining spokes to rim		balance
	Joining spokes to hub	896.32	Having indicia, face, or dial
	Making plural spokes from a	896.33	
074.544	single blank	896.34	Having crown, stem, or pendent
201 315	Individual spoke making	896.4	.Jewelry or locket making
	Rim making	896.41	_
	With assembling		Bracelet making
	Demountable rim making		Finger ring making
	_		Latch, clasp, or fastener
	Die-press shaping	000.42	component making
	Roller forming	896.43	
	Hub making	896.5	<u> </u>
	With assembling	896.5	.Knob or knob shank making
	Hub shaping	896.6	.Multiperforated metal article
894.37	Tire making	006 61	making
894.38	Wheel trim making, e.g., wheel	896.61	Coil wound wall screen
	cover, hubcap	896.62	Filter
894.381	With means for retaining trim	896.7	.Turnbuckle making
	member on wheel	896.8	.Spring-head clip making
895	.Roller making	896.9	.Spring making
895.1	Repairing or servicing	896.91	For vehicle or clutch
895.2	Assembling preformed components	896.92	For human comfort
895.21	Work contacting surface	896.93	Resilient shock or vibration
	element assembled to core		absorber utility
895.211	Work contacting surface wound	897	.Structural member making
	about core	897.1	Restoring existing member,
895.212	With prestressing of		e.g., reinforcing, repairing
	component by heat	897.15	Grille making
	differential, e.g., shrink,	897.2	Vehicular structural member
	fit		making

007 3		000 060	D 11
897.3	Static structure, e.g., a		Roller making
007 21	building component		Ball making
897.31	Openwork, e.g., a truss,		Mounting
	joist, frame, lattice-type or		Demounting
007 210	box beam	898.09	Pre-usage process, e.g.,
	Frame component		preloading, aligning
897.32	Panel	898.1	Lubricating
897.33	Columnar member	898.11	Sealing
897.34	Metal reinforcement member for	898.12	Coating or casting
	nonmetallic, e.g., concrete,	898.13	Bearing surface treatment
	structural element	898.14	Specific metallic composition
897.35	Beam or girder	898.15	Nonmetallic bearing element
898	.Process for making bearing or	899	.Ball making
	component thereof	899.1	Hollow ball
	Repairing	401.1	.Converting
898.02	Fluid bearing	402.01	.Repairing
898.03	Linear bearing		Seal or element thereof
898.04	Rotary bearing	402.03	With disassembling
898.041	Thrust bearing	402.04	_
898.042	Plain bearing		part
898.043	Self-adjusting or self-	402.05	-
	aligning, including ball and	402.06	1 1 3
	socket type, bearing and	402.07	And by a metallurgical
	component making	402.07	operation, e.g., welding,
898.044	Deforming socket to secure		diffusion bonding, casting
	ball	102 08	Replacing of defective part
898.045	Die-press shaping	402.09	
	Having liner	402.09	e.g., remaking, restoring, or
	Having liner		patching
	Socket making	102 11	And removing damaged material
	By molding or casting	402.11	
	Nonmetallic socket	402.12	1 3
	By assembling	400 10	preform with separate fastener
	Ball making	402.13	Metallurgically attaching
	With metallurgical bonding	100 11	preform
		402.14	Mechanically attaching preform
	Sleeve or bushing making	400 15	by separate fastener
	Nonmetallic	402.15	Screw threaded fastener
	<pre>Strip or blank material     shaping</pre>	402.16	Metallurgically attaching preform
898.057	Die-press shaping	402.17	Screw threaded preform
898.058	Having inner lining layer	402.18	By applying fluent material,
898.059	Having liner		e.g., coating, casting
898.06	Anti-friction bearing or component thereof	402.19	By shaping, e.g., bending, extruding, turning, etc.
999 061	Assembling of race, cage, and	402.21	
000.001	rolling anti-friction members		Including heating
000 062	Assembling of race and	403.1	.Scrap recovering or utilizing
000.002	rolling anti-friction members	403.2	Metalworking to consolidate scrap
898.063	With race making	403.3	Separating one material from
898.064	Assembling of cage and		another
	rolling anti-friction members	403.4	By burning or heating
898.065	With cage making	404	.During simulated operation or
	Race making		operating conditions
	Cage making	405	Temperature
	3		· · · T

406	.Center locating and shaping	426.1	.Disassembling
407.01	.With testing or indicating	426.2	With other than ancillary
407.02	Torquing threaded assemblage or		treating or assembling
407 00	determining torque herein	426.3	With conveying of work or
407.03	Determining relative number of threaded member rotations	426.4	disassembled work part
407.04	Using optical instrument	420.4	<pre>By altering or destroying work   part or connector</pre>
407.04	(excludes mere human	426.5	By applying force
	eyeballing)	426.6	To elastically deform work
407.05	Quantitative measuring or	120.0	part or connector
	gauging	428	.Assembling or joining
407.06	By radioactive tracing	429	Progressively advancing of work
407.07	By vibratory or oscillatory		assembly station or assembled
	movement		portion of work
407.08	Pressure, force, or weight	430	Advancing work to successive
	determining		stations (i.e., assembly line)
407.09	With aligning, guiding, or	431	Advancing station
	instruction	432	Punching, piercing or reaming
407.1	Assisting assembly or		part by surface of second part
	disassembly	432.1	With shaping
408	.Of a slide fastener	432.2	Of first part
409	Of slider	433	By stringing
410	Of interlocking element	434	Retaining clearance for motion
411	.Obtaining plural composite product pieces from	425	between assembled parts
	product pieces from preassembled workpieces	435	Between tube-forming helical coils
412	.Obtaining plural product pieces	436	Through resilient media
	from unitary workpiece	437	By deforming interlock
413	Breaking through weakened	438	By folding part into plural
	portion		ears
414	Dividing through modified	439	By wrapping around
	portion	440	Of link closure
415	Dividing on common outline	441.1	Of sphere, i.e., ball, in
416	Coacting pieces		socket
417	Dividing sequentially from	441.2	Ball point pen making
	leading end, e.g., by cutting	442	Allowing assembled sphere to
418	or breaking .Providing transitory integral		move in single plane only
410	holding or handling portion	443	Of flange into tubular socket
419.1	.Shaping fiber or fibered	444	Outwardly deforming
417.1	material	445	internally fitted rod
419.2	.Magnetically shaping	445	Sizing mating parts during final positional association
421.1	.Shaping by direct application of	446	With prestressing of part
	fluent pressure	447	By temperature differential
421.2	Explosively shaping	<b>11</b> /	(e.g., shrink fit)
422	.Shaping container end to	448	Of skin on frame member
	encapsulate material	449	By flexing
423	.Utilizing transitory attached	450	Elastic joining of parts
	element or associated separate material	451	Confining elastic part in socket
424	Temporary protective coating,	452	Prestressing rod, filament or
	impregnation, or cast layer		strand
425	.Shaping mating parts for reassembly in different	453	By snap fit
	positions		

454	<pre>Of flexible wall, expansible   chamber devices (e.g.,</pre>	518	Joined to overlapping ends of plural rods
	bellows)	519	After thinning
455.1	Spaced wall tube or receptacle	520	By axially applying force
456	Of separate helix (e.g., screw	521	Surface interlocking
	thread)	522.1	Radially expanding part in
457	Ribbing		cavity, aperture, or hollow
458	With coating before or during		body
	assembling	523	Radially expanding internal
459	To roughen surface		tube
460	Subsequently coating	524	Peripheral edge joining of
461	With spreading of cable strands		abutting plates
462	Joining plate edge	524.1	Riveting
	perpendicularly to frame	525	By driven force fit
463	Peripheral joining of opposed	525.01	By applying separate fastener
	mirror image parts to form a	525.02	Multipart cooperating fastener
	hollow body		(e.g., bolt and nut)
464	Associating parts by use of	525.03	Nonthreaded
	aligning means (e.g., use of a	525.04	At least one part is
	drift pin or a "fixture")		nonmetallic
465	Registering mating opposed	525.05	Fastener deformed after
	tool parts (e.g., registering		application
	a punch and a cooperating die)	525.06	Riveting
466	By multiple cooperating	525.07	At least one part
	aligning means		nonmetallic
467	Sequentially associating parts	525.08	Nonresilient fastener
	on stationary aligning means	525.09	At least one part nonmetallic
468	By manipulating aligning means	525.11	Threaded fastener
469	Assembling a subassembly, then	525.12	At least one part nonmetallic
	assembling with a second	525.13	With supplemental joining
	subassembly	525.14	Metal fusion joining
469.5	Metal deforming with	525.15	At least one part nonmetallic
	nonmetallic bonding	526.2	.With separating, localizing, or
505	Joining by deforming		eliminating of as-cast defects
506	Securing cup or tube between		from a metal casting (e.g.,
	axially extending concentric		anti-pipe)
	annuli	526.3	Compressing ingot while still
507	By expanding inner annulus		partially molten
508	By constricting outer annulus	526.4	Removing defects
509	Overedge assembling of seated	526.5	From center of ingot to leave
	part		hollow blank
510	By necking in cup or tube	526.6	After deforming
	wall	527.1	.Combined manufacture including
511	At cup or tube end		applying or shaping of fluent
512	By flaring inserted cup or		material
	tube end	527.2	Coating
513	By bending over projecting	527.3	And casting
	prongs	527.4	Subsequent to metal working
514	Of parallel side-by-side	527.5	Metal casting
	elongated members	527.6	Followed by cutting or
515	Inward deformation of aperture		removing material
	or hollow body wall	527.7	Combined with rolling
516	Hollow body is axially joined	530	Filling of opening
	cup or tube	557	.Shaping one-piece blank by
517	Joined to rod		removing material

558	Successive distinct removal	564.4	Comprising moons to strip
558	operations	364.4	Comprising means to strip insulation from wire
559	.Work holding	564.5	And means to stake electric
560	CONVERTIBLE METAL WORKING MACHINE	301.3	wire to commutator or armature
560.1	.Vise type		in assembling of electric
33 R	PLURAL DIVERSE MANUFACTURING		motor or generator
33 10	APPARATUS INCLUDING MEANS FOR	564.6	And means to sever work from
	METAL SHAPING OR ASSEMBLING		supply
33.2	.Slide fastener or slide fastener	564.7	And means to machine product
	element	564.8	To sever product to length
33.5	.Binding or covering and cutting	565	.Common reciprocating support for
33.52	Cutting covering material only		spaced tools
	.Type of machine	566	.Including composite tool
26 R	Drill press	566.1	Including severing means
26 A	Drilling and other	566.2	To sever electric terminal
26 B	Portable		from supply strip
27 R	Lathe	566.3	To trim electric component
28	Grinding attachment	566.4	Means comprising hand-
29	Pulley or wheel		manipulatable implement
27 A	Convertible	35.5	.With turret mechanism
27 B	Commutator	36	Multiple turret
27 C	Lathe and tool	39	Tool turret
30	Planer	40	Rotary tool holder
34 R	.Forging and bending, cutting or	41	Sliding tool holder
	punching	42	Fluid operated
34 A	Fastener (zipper)		Cam operated
34 B	Riveting	43	Longitudinal turret axis
34 C	Ball making	44	Transverse turret axis
34 D	Wire working	45	Lever operated
561	.With means to feed work during	46	Rack-and-pinion operated
	tool contact	47	Screw operated
562	Including nonrotary flying tool	48.5 R	Including rotating and/or
563	.With means to feed work		locking means
	intermittently from one tool	49	Frictional and positive
	station to another	48.5 A	Lock means for tool or work
37 R	Stock turret		turrets
37 A	Swiss type	50	.Multiple-tool holder
38 R	Blank turret	51	Laterally movable stock holder
38 A	Rotary work - vertical axis	52	Axial tool and transversely
38 B	Rotary work - horizontal axis		movable slide rest
38 C	Stationary work	53	Rotary tool spindle
38 D	Belt drive	54	Longitudinally and transversely
38 E	Crankshaft		movable
38 F	Collapsible tube	55	Rotary tool spindle
38.9	Endless belt	56	Oscillating tool
564	.Separate tool stations for	56.5	.Including machining means
	selective or successive	56.6	And work-holder for assembly
	operation on work	57	.Attachment
564.1	Including assembling or	64	.Speed controller
	disassembling station	65	.Carriage stop mechanism
564.2	And means to machine work part	33 A	.Flash remover
	to fit cooperating work part	33 B	.Welding strip ends
564.3	And means to sever work prior	33 C	.Casting and working
	to disassembling	33 D	.Tube making

33 E	.Covering	720	.With signal, scale, illuminator,
33 F	.Wire working		or optical viewer
33 G	.Radiator making	721	For work-holder for assembly or
33 H	.Printing plate		disassembly
33 J	.Turret	722	.Including means to provide a
33 K	.Assembly		controlled environment
33 L	.Armature	723	.Nuclear device
33 M	.Electrical connector or terminal	724	.Roller or ball bearing
33 N	.Tire valve or spark plug	725	Including deforming means
33 P	.Multiple station with conveyor	726	.Heat exchanger
33 Q	.Multiple stations working strip	726.5	Including means to manipulate
	material		heat exchanger tube bundle
33 S	.Continuous strip	727	Including deforming means
33 T	.Work on tubes	728	.Means to place sheath on
650	PLURAL DIVERSE MANUFACTURING		running-length core
	APPARATUS	729	.Means to assemble electrical
700	MEANS TO ASSEMBLE OR DISASSEMBLE		device
701	.With means to regulate operation	730	Storage cell or battery
	by use of templet, tape, card	731	Including deforming means
	or other replaceable	732	Motor or generator
	information supply	733	Means to assemble commutator
702	With comparator	734	Means to position insulation
703	Computer input	735	Means to stake wire to
704	Web or strand-carried		commutator or armature
	information supply	736	Including deforming means
705	.With means to test work or	737	Magnetic memory device
	product	738	Laminated device
706	.With randomly actuated stopping or disabling means	739	Means to fasten electrical component to wiring board,
707	Responsive to condition of work		base, or substrate
	or product	740	Chip component
708	Responsive to operative (e.g.,	741	Multilead component
	safety device, etc.)	742	Multiple station assembly
709	.With control means energized in		apparatus
	response to activator stimulated by condition sensor	743	Means to apply vacuum directly to position or hold work part
710	Including means to divert	744	Means to apply magnetic force
	defective work part		directly to position or hold
711	Multiple station assembly or		work part
	disassembly apparatus	745	Conductor
712	Including position sensor	746	Electrode
713	Responsive to timer	747	Terminal or connector
714	Responsive to work or work-	748	Assembled to wire-type
	related machine element		conductor
715	With means to fasten by	749	Means to simultaneously
	deformation		assemble multiple, independent
716	Self-piercing work part		conductors to terminal
717	With means to fasten by	750	Means comprising hand-
	elastic joining		manipulatable implement
718	With means to fasten by	751	Fastening by deformation
	frictional fitting	752	Fastening by elastic
719	Including means to apply		joining
	magnetic force directly to	753	$\ldots$ .Means to fasten by
	position or hold work		deformation

754	Means to fasten by elastic	790	By friction fit
755	joining	791	.Multiple station assembly or
755	Multiple, independent conductors	792	disassembly apparatus
756	Switch or fuse	793	Including turret-type conveyerIncluding converging conveyers
757	Means to simultaneously fasten	793 794	And primary central conveyer
737	three or more parts	79 <del>4</del> 795	Means to fasten work parts
758	Means comprising hand-	755	together
750	manipulatable implement	796	By deforming
759	Means to align and advance work	797	By elastic joining
, 00	part	798	
760	With work-holder for assembly		work part
761	Means to fasten by deforming	799	.Including assembly pallet
762	.Means to disassemble electrical	800	.Including provision to utilize
	device		thermal expansion of work
763	Storage cell or battery	801	.Means to assemble or disassemble
764	Means comprising hand-		container and fluid component
	manipulatable implement	802	.Vehicle wheel
765	.Means to place traveler on ring	803	Railway wheel
	or ring on bobbin of a textile	804	.Tumbler lock
	machine	805	.Toy doll
766	.Slide fastener	806	.Film or tape cartridge
767	Means to assemble stop onto	807	.Crystal to watch or clock
	stringer	808	.Means to insert or extract pen
768	Means to assemble slider onto		point
	stringer	809	.With magazine supply
769	Means to assemble teeth onto	810	And magnetic work-holder or
	stringer		positioner
770	Disassembly means	811.2	Assembling means comprising
771	.Means to interrelatedly feed		hand-manipulatable implement
	plural work parts from plural sources without manual	812	One work part comprising
	intervention		living tissue
772	Box or pallet assembly means	812.5	Comprising driver for snap-
772	Means to assemble container		off-mandrel fastener; e.g.,
774	Handle to container	813	Pop (TM) riveter
775	Label to container	013	One work part comprising nut or screw
776	Pressurized dispensing	814	One work part comprising paper
	container	014	clip
777	Hypodermic syringe	815	Means to assemble tire stud
778	Including fluid component	013	into tire tread
779	Running-length work	816	Means to fasten by deforming
780	Means including orbiting	817	Fastening sinker to fishing
	running-length work supply		line
781	Pipe section	818	Means to fasten by deforming
782	Assembled to article	819	.Running-length work
783	Multiple station assembly	820	Assembled on core
	apparatus	821	.Including means to vibrate work
784	Including assembly pallet	822	.Including work conveyer
785	Including turret-type conveyer	823	Including transporting track
786	Including converging conveyers	824	And work carrying vehicle
787	And means to fasten work parts	213.1	.Valve applying or removing
	together	214	Engine valve unit puller or
788	By deforming		applier
789	By elastic joining		

015		043 500	T 7 1'
215	Engine valve spring compressor	243.522	Including near side fastener
216	(only)Plural spring engagement	2/13 523	shaping toolPneumatic- or fluid-actuated
217		243.323	tool
	Screw operated	242 524	
218	Parallel or tong type, side		Liquid
010	entrance		And gas
219	Lever operated	243.526	Having rotary drive
220	Single jaw or valve		mechanism
0.01	engagement	243.527	Having allochiral actuating
221	Plier type		handles
221.5	To or from wheel rim of	243.528	Having repositionable
	resilient tire or tube		annulus engaging tool
221.6	Removal tool	243.529	Including near side fastener
222	.Piston ring inserter or remover		shaping tool
223	Plier-type operation	243.53	Riveter
224	With ring encirclement		Single header
225	.Spring applier or remover		Pipe joiner
226	Transmission spring	243.56	Clip applier
227	Helical spring	243.57	Binding or covering
228	Flat spiral spring (e.g., watch	243.58	Edge binding
	or clock type)	244	.Puller or pusher means,
229	Circular spring		contained force multiplying
230	Leaf spring		operator
231	.Means to stake watch or clock	245	Hubcap and hub
232	Plier type	246	Battery post and terminal
233	.Brake lining to brake shoe	247	Cotter pin and cooperating
234	.Tube and coextensive core		member
235	.To apply or remove a resilient	248	Plier type means
233	article (e.g., tube, sleeve,	249	Valve stem pin or key and
	etc.)		another member
235.5	Nipple to nursing bottle	250	Machine key and another member
236	Well protector to sucker rod	251	Arbor-type press means
237	.Coupling to conduit	252	Having fluid operator
237.5	.Loose-leaf sheet binder	253	Having wedge operator
238	.Compressing parts together face	254	Having percussion or explosive
230	to face		operator
239	.Spreading parts apart or	255	Tube, sleeve, or ferrule
233	separating them from face to		inserting or removing
	face engagement	256	Having screw operator
240	.By rotation of work part	257	C-frame
240.5	Means to insert or remove helix	258	Central screw, work-engagers
241	.Means to string	230	around screw
242	.Tool handle and tool	259	Work-engager arms along or
242	.Tool chuck and tool	233	parallel to screw
243		260	With arm connecting engaging
	.Overedge assembling means	200	means
243.51	Belt-hook attacher	261	Pivotal arms
	Annular work		
243.518	With radially acting tool	262	Pivotal grippers on screw
040 = 1 =	inside annular work	263	Tubular or tube segment forms
243.519	With second workpiece inside	0.54	work-engager
	annular work one workpiece	264	Screw threaded work-engager
	moved to shape the other	265	Movable grippers on screw
243.521	Comprising driver for snap-	266	Plate or bar forms work-
	off-mandrel fastener; e.g.,		engager
	Pop (TM) riveter		

267	Having lever operator	FOR (	000	CLASS-RELATED FOREIGN DOCUMENTS
268	Plier type means			
269	.Means comprising piston ring			
	group contractor or holder			
270	.Means comprising hand manipulatable tool	DIGE	<u>STS</u>	
271	Aligner or center	DIG :	1	METHOD OR APPARATUS INVOLVING
272	Tube with tube			ADHESIVE
273	Auto wheel with auto chassis	DIG 2	2	METHOD OR APPARATUS USING
274	Clutch plates		_	ALUMINUM
275	Means comprising impact	DIG 3	3	METHOD OR APPARATUS WITH BENDING
	receiving tool	DIG 4	4	METHOD OR APPARATUS WITH BRAZING
276	C-frame	DIG 5	5	METHOD OR APPARATUS WITH CASTING
277	Thread protector (e.g., wheel	DIG 6	6	METHOD OR APPARATUS WITH
	axle type)			CENTRIFUGAL CASTING
278	Hand gripper for direct push or	DIG '	7	METHOD OR APPARATUS WITH CLEANING
	pull	DIG 8	8	METHOD OR APPARATUS WITH
279	Centrifugal separator			COMPOSITE CASTING
280	Tube sleeve or ferrule	DIG 9	9	METHOD OR APPARATUS WITH CUP
	applying or removing			FORMED AND BOTTOM REMOVED
281	Thread-tapping grip	DIG 3	10	METHOD OR APPARATUS WITH DIE
281.1	.With work-holder for assembly			CASTING
281.2	For assembling a luminescent	DIG :	11	METHOD OR APPARATUS WITH DRAWING
	mantle	DIG :	12	METHOD OR APPARATUS WITH
281.3	And assembling press (e.g.,			ELECTROPLATING
	truss assembling means, etc.)	DIG 3	13	METHOD OR APPARATUS WITH ELECTRIC
281.4	Having means to permit support			HEATING
	movement while work is thereon	DIG 3	14	METHOD OR APPARATUS WITH
281.5	.Including means to relatively			ENAMELING
	position plural work parts	DIG 3	15	FORMING ARTICLE ON END OF LONG
281.6	.Work-supported apparatus			STOCK AND THEN CUTTING OFF
282	.Tube, sleeve or ferrule	DIG 3	16	METHOD OR APPARATUS WITH ETCHING
283	.Work gripper, anvil, or element	DIG 3	17	METHOD OR APPARATUS WITH MAKING
283.5	.By deforming			FLOW LINES; CRYSTALS
284	MISCELLANEOUS APPARATUS	DIG 3	18	METHOD OR APPARATUS WITH FORGING
		DIG 3	19	METHOD OR APPARATUS WITH GRINDING
		DIG 2	20	METHOD OR APPARATUS FOR DOUBLE
				BLANK
CROSS-R	EFERENCE ART COLLECTIONS			METHOD OR APPARATUS FOR HEATING
		DIG 2	22	METHOD OR APPARATUS USING INDIUM
900	METHODS AND APPARATUS FOR	DIG 2	23	METHOD OR APPARATUS WITH KNURLING
	ASSEMBLY BY ELECTROSTATIC	DIG 2	24	METHOD OR APPARATUS WITH LOCAL
	ATTRACTION			HEATING
901	BALANCING METHOD	DIG 2	25	METHOD OR APPARATUS WITH
902	FILTER MAKING			PARTICULAR MATERIAL
903	FIREARM BOLT MAKING	DIG 2	26	METHOD OR APPARATUS WITH
904	LAMINATED METAL ARTICLE MAKING			MACHINING
905	MAKING COIL WOUND WALL SCREEN	DIG 2	27	METHOD OR APPARATUS USING
906	NUCLEAR DEVICE MAKING	<b></b>	0.0	MAGNESIUM
				MAGNETIC RECORDING DIGEST
				MOLDING WITH OTHER STEP
		DIG 3		
<u>FOREIGN</u>	ART COLLECTIONS			PRESSING POWDER WITH OTHER STEP
		DIG :	32	ROLLING WITH OTHER STEP

DIG		SCORING WITH OTHER STEP	DIG		GAS AS A CONVEYOR
DIG		SCALING WITH OTHER STEP	DIG		AIR CURRENT GENERATED BY CUTTER
DIG		SHRINK FITTING WITH OTHER STEP	DIG		FAN COAXIAL WITH CUTTER
DIG		SHOT BLASTING WITH OTHER STEP	DIG		VACUUM EXHAUST TYPE
DIG		STAMPING WITH OTHER STEP	DIG		WITH FLUID CONTROL VALVE
DIG	38	SPOT WELDING WITH OTHER STEP	DIG	86	HOOD ENCASED CUTTER
DIG	39	SPRAYING WITH OTHER STEP	DIG	87	MULTIPLE FLUID PATHS
DIG	40	STRIPS OF REPEATED ARTICLES - CUT	DIG	88	BY PROJECTING, SQUIRTING OR
		UP LATER			DRIPPING
DIG	41	TAPER TUBE MAKING	DIG	89	GAS ENTRAINED LIQUID SUPPLY
DIG	42	TENSION APPLIED DURING WORKING	DIG	90	ELEVATED TANK SUPPLY
DIG	43	UPSETTING AND FLANGING TUBE END	DIG	91	PLURAL DISCHARGE OPENINGS
DIG	44	VACUUM	DIG	92	FLUID CHANNEL IN CUTTER
DIG	45	TITANIUM	DIG	93	PLURAL DISCHARGE LOCI
DIG	46	VIBRATION	DIG	94	DEBRIS REMOVER, CATCHER, OR
DIG	47	EXTRUDING WITH OTHER STEP			DEFLECTOR
DIG	48	WELDING WITH OTHER STEP	DIG	95	MAGNETIC OR ELECTROSTATIC
DIG	49	WORK HARDENING WITH OTHER STEP	DIG	96	MECHANICAL REMOVAL ASSISTANT
DIG	50	CUTTING FLUID APPLICATION AND	DIG	97	CUTTER ENGAGING CLEANER
		DEBRIS CONTROL	DIG	98	ROTATING, RECIPROCATING OR
DIG	51	POWER STOP CONTROL FOR MOVABLE			OSCILLATING CLEANER
		ELEMENT	DIG	99	FLEXIBLE CONVEYOR
DIG	52	CHIP BREAKER	DIG	100	SCREW OR CAM CONVEYOR
DIG	53	WORKPIECE AND DEBRIS SEPARATOR	DIG	101	PAN, BED, OR TABLE
DIG	54	FLUID CONTROL INTERRELATED WITH	DIG	102	DEBRIS CHUTE
		MACHINE TOOL MECHANISM	DIG	104	TOOL OR WORK ATTACHED
DIG	55	WITH CUTTER DRIVE	DIG	105	ASSEMBLY, MAGNETIC, OR INDICIA
DIG	56	WITH SHIELD OR HOOD MOVEMENTS			TOOL
DIG	57	WITH CUTTER FEED			
DIG	59	HOOD ACTUATED BY TOOL OR WORK			
		APPROACH			
DIG	60	PROGRESSIVE DISPLACEMENT OF HOOD			
DIG	61	PLURAL-TYPE DEBRIS REMOVERS			
DIG	62	RUBBING TRANSFER OF SOLID COATING			
		TO ROTATING ELEMENT			
DIG	63	FLUID CONVEYOR OR APPLICATOR			
DIG		AMBULATORY CUTTER WITH FLUENT			
		CONDUIT			
DIG	65	CUTTER CONTAINED SUPPLY RESERVOIR			
DIG		FLUID FLOW TO CHANNELED CUTTER			
DIG	67	ROTATING CUTTER			
DIG		HOLLOW SPINDLE CONTAINS			
DIG		FLUID SPREADER CONTACTS CUTTER			
DIG		ROTARY OR OSCILLATING FLUID			
DIO	, 0	APPLICATOR			
DIG	71	COMPLETE IMMERSION OF CUTTER			
DIG		DIP OR SPLASH SUPPLY			
DIG		CHAIN OR BELT CONVEYOR			
DIG		PARTIAL IMMERSION OF CUTTER			
DIG		ADJUSTABLE LIQUID LEVEL			
שבע		POSCULUDE ELECTO DEADE			
DTC		MOVARIE I.TOUTD_CAPPVING TROUGH			
DIG	76	MOVABLE LIQUID-CARRYING TROUGH			
DIG	76 77	WITH SEPARATOR OR FILTER			
DIG DIG	76 77	WITH SEPARATOR OR FILTER AIR BLAST AND/OR VACUUM CONVEYOR			