

DRAWING SUBDIVISIONS

ENGINEERING DEPARTMENT

MADSEN IRON WORKS

SUBDY'N	NAME	DISCRIPTION	SUBDY'N	NAME	DISCRIPTION
1	M.I.W. PLANT LAYOUTS.	GROUND LAYOUTS, BLDG'S, PLANS, FOUNDATIONS, CRANE-WAYS, ERECTION DRWGS.	44	BUILDING EQUIPMENT	STAIRWAYS, LADDERS, HYDRAULIC ELEVATORS WHEEL-GUARDS-TURNSTILES.
2	SHOP TOOLS	SPECIAL TOOLS, JIGS, FIXTURES, MACHINE TOOLS.	45	KITCHEN EQUIPMENT.	BROILERS-GRILLS, STEAM TABLES, RANGES, STOOL & TABLE BASES, FAT FRYERS, BURNERS, INCINERATORS-URNS- ETC.
3			46	BAR AND BALL MILLS.	ROLLING-HAMMER & AMALGAMATING MILLS.
4			47	SPECIAL ELEVATOR & CONVEYORS	FEEDERS & FEEDER ROLLS-GOLD CONCENT'RS-PL FEEDERS, ELEV'S AND CONVEYORS OTHER THAN 24 & 66.
No's 5 To 17 ST'D SINGLE PARTS & UNITS APPLICABLE TO ANY MACHINE.			48	GARAGE EQUIPMENT.	TOW DOLLY.
5	GEARS	CUT & CAST TOOTH, SPUR, BEVEL, WORM, SPIRAL, SKEW, PINION, MITER.	49	PAPER MILL EQUIPMENT	LOOPERS, SATURATORS, WINDERS, WALL B'D. MACHINE SORTING MACHINE.
6	BEARINGS	RADIAL, THRUST, PLAIN, BABBITTED, BUSHED BALL, ROLLER, STD. BRG MOUNTINGS & BRACKETS.	50	BOILERS	STEAM BOILERS AND GENERATORS
7	SHAFT COUPLINGS	FLANGED, COMPRESSION, FLEXIBLE, UNIVERSAL JOINTS, SET COLLARS.	51	MOTOR DRIVEN ACCESSORIES	OTHER THAN IN 26 SWING GRINDERS.
8	PULLEYS	SPLIT, SOLID, IRON, STEEL, WOOD-TROLLEY, ELEV. IDLER, FLYWH'L AND BELT.	52	PUMPS & COMPRESSORS.	AIR AND LIQUID-VALVES, JACKETS, WAGNER ST'M PUMPS-AIR RECIEVERS.
9	CLUTCHES	JAW, DISC, CONE, PLATE, SLEEVES, COLLARS SHIFTERS & COUPLINGS.	53	BURNERS & ACCESSORIES	OIL AND GAS BURNERS - DRYER BURNERS. PUMPING & HEATING SYSTEMS
10	SHAFTING	LINE AND DRIVE, JACK, TRUNNION SH'FT. FOR ST'D PRODUCTS.	54	LOCKING & TIMING DEVICES	BATCH TIMER, TIME LOCKS, AUTOMATIC WEIGH'G. DEVICES.
11	WHEELS	TRUCK, TRACTOR, WAGON, TRUNNION, THRUST, FLY-WH'LS. CHAIN AND ROPE SHEAVES-ASSEMBLIES.	55	DOCK AND WH'SE TRUCKS & CONVEYORS.	SHIP AND STEVEDORE CONVEYORS -TRACTORS. HAND & PIPE TRUCKS - BOARD SLINGS
12	SPROCKETS	CAST & CUT TOOTH-SHEAR-PIN, IDLERS, CHAIN TRACTION WH'LS-SILENT CH'N-TUG RING.	56	BRAKE DRUMS	PACIFIC GREYHOUND, PICKWICK, YELLOW COACH
13	PIPE AND PIPE FITTINGS.	ST'L. & CAST IRON, VALVES, COUPLINGS, COILS, SCREWED, FLANGED, PIPE FORMS-DIAGRAMS	57		
14			58		
15	NAME PLATES	NAME, NUMBER & PATENT PLATES.	59		
16			60		
17			No's 61 To 88 CONCRETE ROAD BUILDING AND YARD EQUIPMENT FOR SAND AND STONE.		
No's 18 To 31-SPEC. DRW'GS FOR ASPHALT PAVING PLANTS AND ACCESSORIES.			61	CONCRETE & ROAD OIL PROPORTIONING PLANTS	LAYOUTS-ASSEMBLIES-FOUNDATION PLANS, OIL MIX PLANTS-ERECTION PLANS, CLEAR'CE DIAGR'MS.
18	PAVING PLANT ASSEMBLIES.	GENERAL LAYOUTS, ASSEMBLIES, FOUND'N. PLANS ERECTION & CL'NCE DIAGRAMS.	62	PROPORTIONING PLANT FRAMES	STEEL AND TIMBER, FRAME JACKS, PLATFORMS STAIRS-LADDERS, RAILINGS.
19	FRAMES	STEEL, TIMBER, FRAME JACKS, PLATFORMS STAIRWAYS-LADDERS.	63	PROPORTIONING PLANT BINS	FOR STONE, DUST, SAND, WITH CHUTES, GATES AND CONTROLS. HOPPERS & BUNKERS.
20	BINS AND TANKS	FOR STONE, SAND, DUST & ASPHALT-CHUTES OVERFLOWS, HANGERS, GATES. FUEL-WATER TANKS.	64		
21	SCREENS & GRIZZLIES.	GUARDS, HOUSINGS, FRAMES & COVERS.	65	AGGREGATE WEIGH BOXES.	WEIGH, BATCH, METER'G BOXES, WT. BEAMS-SCALES, GATES & CONTROLS FOR SAND & STONE.
22	WEIGH BOXES	SAND, STONE, DUST-WEIGH BEAMS-SCALES-CONTROLS, GATES & AUTOMATIC WEIGH'G EQUIP'MT.	66	ELEVATORS AND CONVEYORS	FOR CONCRETE PROPORTIONING PLANTS ELEVATORS, HOPPERS.
23	ASPHALT WEIGH BUCKETS	WEIGH BEAMS, SCALES, CONTROLS, CHUTES GUARDS & FUNNELS.	67	WATER BUCKETS	WEIGHING & MEASURING BUCKETS, FAN CHUTES.
24	ELEVATORS AND CONVEYORS.	CHAIN, BELT, SCREW CONVEYORS-FRAMES-H'SGS. CHAIN & BUCKET ELEV. HOPPERS AND CHUTES -	68		
25	MIXERS	ASSEMBLIES & DETAILS - MIXER STEAM CYL'S, COIL, HOUSINGS, -DIATOMACEOUS EARTH MIXER.	69	CEMENT GUNS AND PLACING EQUIPMENT.	ASSEMBLIES AND DETAILS.
26	POWER TRANSMISSION.	PLANT DRIVE ASSEMBLIES - GEAR, CHAIN, BELT ROPE & CABLE DRIVES - GEAR REDUCTIONS - ETC.	70	CONTRACTORS SMALL EQUIPMENT	CABLE CARS, PIPE LAYERS, TILTING BATCH BOXES. SPRINKLER WAGONS, DEHYDRATORS, HOPPERS.
27	DRYERS.	ROTARY, VIBRATING, INTERNALLY & EXTERNALLY FIRED - ATTACH'MTS & FRAMES.	71	CONCRETE SPREADER	SPEC. PARTS & ASSEMBLIES, TAMPERS, TREE FRAMES SPREADERS.
28	SMALL PAVING ACCESSORIES.	TAMPER, SMOOTHERS, FIRE WAGONS, SPREADERS ROLLERS, KETTLES, BUCKETS, SQUEEGEE CARTS.	72	SKIP HOISTS	SPECIAL DESIGNS.
29	DUST RECOVERY SYSTEMS	BLOWERS, COLLECTORS, CYCLONE, WATER-SEALS DUST PIPING, FRAMES, ETC.	73	SCREENING AND CRUSHING PLANTS.	PORTABLE SCREENING PLANTS.
30	SPECIAL TOOLS	DAVIT, CHAIN PULLERS, JIB CRANES, WINCHES DRUM HOISTS-SEE SUB'DV'N 41 FOR SPEC. WINCHES.	74	CRUSHERS & CRUSHING EQUIPMENT.	CRUSHERS, CONES, ROTORS, DRIVES, HOPPERS.
31	SPECIAL ROAD MACHINERY	PUG-MILL MIXERS - SHEEPSFOOT TAMPERS - TRAVELING SCREEN.	75		
No's 32 To 60 ST'D. SMALL PRODUCTS & SPEC. IND'ST'L. EQUIP'MT. NOT ALLIED TO PAVING PLANTS.			76		
32	STREET EQUIPMENT.	FIRE PLUGS, POLICE & FIRE ALARM BOXES, METERS. TRAFFIC BUTTONS-MANHOLE COVERS, GRATINGS.	77		
33	HEATING EQUIP'MT.	RADIATORS, BURNERS, STEAM TABLES, HOT PLATES HEATER COILS, HEATERS, ROASTERS, OIL BURNERS.	78		
34	OIL FIELD EQUIPMENT, ETC.	ROD GRIPS, HOSE CLAMPS, ORFICE PLATES, SHEAVE BLOCKS, SMITH & HESS PITMAN, BITS, ETC.	79		
35	PUMP BASES	FAIRBANKS-MORSE PUMP BASES.	80		
36	ELECTRICAL EQUIPMENT	EQUIPMENT & ACCESSORIES	81		
37	FOUNDRY EQUIPMENT	CUPOLAS, BRASS FURNACES, RATTLES, SAND CUTTERS & SIFTERS, SAND BLAST-OVEN CARS	82	SURFACE HEATERS.	BLAKE SURFACE HEATERS.
38	HYDRAULIC EQUIPMENT	PRESSES, JACKS, ACCUMULATORS & VALVES.	83		
39	MINE CARS STR. STL. & PLATE.	ASSEMBLIES & DETAILS OF ROCKER, SWIVEL, ROLL-OVER DUMP MINE CARS-BILLET CARS-ROLL'G MACH'NS	84		
40	BRICK YARD MACHINERY.	TROWEL, PUG MILLS, KILNS, AUGERS, MULLERS, HAND & SCREW PRESS - MOLD CARS, TILE DIES, ETC.	85		
41	DERRICKS & CRANES.	HOISTS & WINCHES, PILE DRIVERS, CRANES BOOMS, DERRICKS & SPEC. WINCHES.	86		
42	ENGINE INSTALLATIONS	MOTOR DRIVES (ROAD ROLLERS, ETC.) MAGNETO DRIVES, HOLT ENG. DRIVE, FORDSON LOCOMOTIVE.	87		
43	TURNTABLES.	TURNTABLES, ENAMELING TABLES.	88		