

.5	MISCELLANEOUS	144	PLURAL DIAPHRAGM SOUND SOURCES
	SPEAKING TUBES	145	.Plural chambers
18	.Systems	146	.With sound-asborbing means
19	.Alarms and indicators	147	.Three diaphragms
20	.Combined mouth and ear pieces	148	DIAPHRAGM AND ENCLOSURE
21	.Mouthpieces	149	.Moisture proof
22	.Tubes	150	.Recessed (e.g., wall-mounted, etc.)
30	AUDITORIUM	151	.With sound-absorbing means
101	GEOPHYSICAL OR SUBSURFACE	152	.With horn
	EXPLORATION	153	.Rounded enclosure (e.g., curved, etc.)
102	.Well logging	154	.Inclined diaphragm
103	..Programmed or timer-controlled	155	.Reflector baffle
104	..Directional source or detector	156	.Reflex baffle
105	..Bore hole or casing condition	157	DIAPHRAGM
106	..Seismic wave generation	158	.Microphone type
107	..Programmed or timer-controlled	159	.With horn
108	..Seismic source and detector	160	.With resonant chamber
109	..Aerial	161	.With direct mechanical connection to drive unit
110	..Underwater	162	..Stylus bar
111	..Plural sources	163	.Plural dependent diaphragms
112	..Plural detectors	164	.Sectional diaphragm
113	..Seismic wave generation	165	..Concentric annular section
114	..Vehicle-mounted	166	.With damping means
115	..Bubble suppression or control	167	.Critically defined material or coating
116	..Explosive	168	..Metallic material
117	...Gas	169	..Fibrous material
118	...Underwater	170	..Laminated type
119	..Fluid means	171	.Mounting or suspension means
120	..Underwater	172	..Elastic suspension means
121	..Moving weight	173	.Particular shape
122	..Seismic wave detection	174	..Variable thickness
123	ECHO SYSTEM	175	SOUND-MODIFYING MEANS
124	..Altitude or depth detection	176	.Lens
125	SOUND LOCATION	177	.Intensifying horn
126	ANATOMIC OR PROSTHETIC RELATION	178	..Collapsible
127	.Dentiphone	179	..With particular mounting structure
128	.Ear and mouth	180	..Material
129	..Ear	181	..With vibratory filaments
130	..Auditory canal insert	182	..With resonant chamber
131	...Stethoscope	183	...Double wall
132	...With diaphragm	184	..Having apertures in walls
133	...Deflector type	185	..With sound-path restriction
134	...Eardrum	186	...Adjustable
135	...Ear insert	187	..Plural intensifying portions
136	..Deflector type	188	...Similar portions
137	..Receiver	189	..Multisection housing
138	MECHANICAL TELEPHONE	190	...Separable
139	WAVE GENERATION AND DETECTION	191	..With external sound deflector
140	WITH VESSEL		
141	COMBINED		
142	WAVE GENERATION		
143	MOVING SOUND PRODUCER OR		
	DEFLECTOR		

192	..Particular shape of the horn	230	..Pneumatic type motor (e.g., air hammer, etc.)
193	...Spiral sound path	231	..With solid particle separator (e.g., spark arrestor, vacuum cleaner, etc.)
194	...Doubly folded sound path	232	..Separate distinct units serially connected
195	..Wide angle annular outlet	233	..Liquid motion silencer
196	..Within tubular means	234	...Water-closet type
197	..Adjustable	235	..Underwater discharge
198	..Housing or enclosure (e.g., sound confining and absorbing)	236	..With muffler cut-out
199	..Speaker type	237	..With pressure relief safety valve
200	..Machine type enclosure	238	..Multiple distinct inlets and/or outlets
201	...Office type devices (e.g., typewriters, teleprinters, etc.)	239	...Outlets
202	...Electrical type devices (e.g., transformers, motors, etc.)	240	..Manifold type
203	...Reaction engine test chamber	241	..Adjustable muffler (i.e., internal or external parts)
204	...Internal-combustion engine	242	..Mouthpiece (e.g., telephone, microphone, etc.)
205	...Partial enclosure or shroud	243	..With repair, replacement, or quick disassembly
206	..By wave interference	244	..Corrosion prevention
207	..Mechanical vibration attenuator	245	...Internally coated parts
208	..Damping of flexural structure	246	...Nonmetallic
209	..Relatively moving parts	247	..Straight-through passage
210	..Sound absorbing fence or screen (e.g., jet engine or vehicle noise)	248	...Continuous conduit
211	..Combined	249	....With expansion chamber
212	..Muffler, fluid conducting type	250	....And side branch
213	..Reaction engine type	251	....And multi-passage
214	...Upstream (e.g., intake silencer)	252	..With sound absorbing material
215	...With adjustable outlet nozzle	253	..With muffler bypass
216	....Longitudinally adjustable section	254	...Valve controlled
217	...Removable silencer unit (e.g., mobile)	255	...Expansion chamber
218	..Ground installation silencer	256	..With sound absorbing material
219	..With adjustable internal baffles	257	...And multi-passage
220	...With disparate fluid mingling	258	...Pervious material interposed in flow path
221	....Liquid	259	..With disparate fluid mingling
222	..With sound absorbing material	260	...Liquid
223	..Silencer for firearms	261	....Sprayed
224	..Sound absorbing ventilating duct or curb (e.g., a/c, heat, air flow type)	262	...Induced by suction
225	..With fan to assist fluid flow	263	....Motion induced
226	..With adjustable fluid flow	264	..With baffle or baffle structure
227	..Pipe-muffler (e.g., tail pipe type)	265	...Retroverted
228	..With exhaust pipe	266	....And side branch chamber
229	..Carburetor, burner, or compressor intake silencer	267	...Coaxial foraminous walls
		268	...Multi-passage
		269	...Expansion chamber type
		270	....With alternating partial baffles along the length of casing

- 271 ...With adjustable or flexible
 wall
- 272 ...Plural chambers
- 273 ...And side branch chamber
- 274 ...With centrifugal flow
- 275 ...And multi-passage
- 276 ...Side branch
- 277 ...Movable baffle
- 278 ...Biased
- 279 ...Spiral
- 280 ...Helical
- 281 ...Perpendicular and/or oblique
- 282 ...Casings
- 283 ...Air or liquid cooled
- 284 ..Sound absorbing panels
- 285 ..Load bearing block type
 structure
- 286 ..Specific acoustical properties
 or dimensions
- 287 ..Movable/foldable panels
- 288 ..Cellular
- 289 ..Light permeable
- 290 ..Multilayer panel or wall
 structure
- 291 ...With membrane outer layer
- 292 ...With perforated or porous face
 and honeycomb-like core
- 293 ..With channels or cavities in
 surface layer
- 294 ..Materials
- 295 ..Space absorbers
- 296 ..Methods

CROSS-REFERENCE ART COLLECTIONS

- 400 **WAVE COUPLING**
- 401 ..Earth
- 402 ..Liquid
- 403 **REFRIGERATOR COMPRESSOR MUFFLER**
- 404 **HOBBY CRAFT ENGINE MUFFLER**

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