

Electric railway	339	Grasses, first appearance	234	Liquid emptier	4	Patents and gas industry	128	Sawdust for cleansing	75	Tildentrest	123
Electric site cutter	81	Grass spots, mixture for	306	Lithographers, hints for	392	Patents, decided in relation to	7	Saw swage, Ward's	372	Timber, good features of	278
Electric sword	274	Grindstones, breaking of	198	Lock, firearm	372	Patents, decided in relation to	7	Scarlet fever in the cow	58	Time, fast	28
Electric theodolite	14	Grid, cable, Miller's	376	Lock for firearms	104	Patents, points on	247	School, manual labor	370	Time register	388
Electric tramway, Hamburg	215	Groceries, New York	357	Lock, seal, Allen	178	Patentees duties of	239	Science Assoc. American	80	Tin, aluminum	242
Electric transm. of power	332	Guard for cars	148	Lock spring	378	Pavements, slag	384	Scraping tool	373	Tinkers and their tricks	73
Electric wires, Brooklyn	178	Gum, kauri	129	Locomotive attachment	178	Pecan tree	202	Screw driver, Allard	211	Tires, wagon, setting	149
Electric wire insulator	384	Gun barrels, erosion	324	Locomotive boiler valve	178	Pendulum hoist	211	Screws, rusty, removal	118	Tobacco, smoking and cold	312
Electrical patent decision	356	Gun, blow, fountain	121	Locomotive building	177	Pendulums, compensating	6	Seat, car, new	4	Toboggan, improved	243
Electrical subways	64	Gun, dynamite, pneumatic	193	Locomotive engine	193	Sea, power of the	198	Tool combination	211	Top, centrifugal	392
Electricity, experiment in	37	Gun forgings called for	193	Locomotive, Estrade's	191	Sea, rise at Sabine Pass	378	Top, chameleon	277	Top, cannon	137
Electricity of the lightning flash	8	Gun, Jansen's	104	Locomotive, gas, successful	193	Sea water as a preservative	290	Top, home-made	290	Top, scientific	290
Electricity, positive and negative	68	Gun, monster	326	Locomotive headlights	153	Seeing and thinking	290	Torch, magnesium	58	Torpedo, Brennan	260
Electricity, welding	208	Gun, walking stick	153	Locomotive, small	260	Sepiator for ores	306	Torpedo boats in the gale	337	Torpedo boats, new	337
Electro-osteotomy	194	Gun works, Maxim	285	Locomotive, soda	154	Sextant, Tunnell, opening	406	Torpedo boats, new	337	Torpedo cannon ball	309
Electrotyping solution, new	270	Gun, 13-ton, new	193	Locomotive, steam	101	Sextant, Tunnell, opening	406	Torpedoes 80 years ago	363	Torpedoes, motor for	53
Elevator, take the	273	Guns, fine	197	Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes vs. rams	395	Torpedoes, motor for	53
Elevator, take the	273	Guns, fine	197	Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Emerald, Barne's	226	Guns, mammoth	151	Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Emery wheel dust	38	Gunpowder, unburned, explos.	381	Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Emulsion plates, rapidity	239	Gymnotus	391	Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Emulsions	129	Gyroscope, the	335	Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Emulsions, gelatine	129			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Emulsions, oils of	129			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, gas	385			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, Herd's	356			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, petroleum	328			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, rotary, Belt's	38			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, six-cylinder	386			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, steam, Louque's	338			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, steam, Mennig's	337			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, steam, Rush's	378			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Engine, winding, Collier's	378			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Engines of ship Ozone	243			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Engines, triple expansion	311			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Engineer, woman	389			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Engineers, locomotive	297			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Engineers, mechanical, convention	387			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Enlarging for newspapers	257			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Equality	407			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Equalizer, draught	338			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Equilibrium of fluids	311			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Erysipelas, treatment	62			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Etna, eruption of	196			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Eugenia	87			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Eureka, yacht, propulsion	47			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Evaporating pan	404			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Exhibit, woodmaking	152			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Exhibition, Edinburgh	209			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Exhibition, in Spain	145			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Exhibition of three Americas	23			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Exhibition telephone	474			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
Explosive, new	386			Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
Exposition, Cincinnati	132			Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
Exposition, Minneapolis	240			Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
Eyes, effect of paper on	320			Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sewer gas, danger of	371	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Seeing and thinking	290	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sepiator for ores	306	Torpedoes, motor for	53	Torpedoes, motor for	53
				Locomotive, steam, small	260	Sextant, Tunnell, opening	406	Torpedoes, motor for	53	Torpedoes, motor for	