INDEX.

d'and

Engineers' Club of Toronto 20 65 702	227	Marina Nama			LAGI
Engineering Societies	231	Marine News 33, 68, 111, 156, 200, 238,		Saskatchewan Government's Progressive	
Engineering Works in Crete	451	276, 314, 352, 390, 429, Magnetic Ore Separators	464		30
Engineers and Longevity	436	Matthews Cable Roller	332		17
Engine Stop and Speed Limit System. 289,	188		330		38
Engine, The Smallest in the World	333	McGrath Flue Welder	406		16
Ethics of Controvers	145	Measurement of Volume of Air	441	Secret Service Switchboard	A
Ethics of Controversy	339	Mechanical Engineering, Negative Side of	24	Secret Telephony. The Problem of	4
Excavator, Portable Trench	137	Metal Caskets Dec. ad. p.	56	Seven, The Rule of	2
Extracts from an Engineer's Note Book 55,		Milling Machine, Universal	16	Sewage Disposal and Water Purification	AT
186, 228, 262, 297, 336,	412	Milling Machine, A Plain	128	Sharpener, Ajax Drill	7.
	1.00	Mining Matters33, 69, 112, 157, 201,		Slide Rule, Anderson's	14
Fan Blower Design, Conditions of	418	239, 277, 315, 353, 391, 429,	464	Smoke Prevention	33
"Fastnut" Washer	216	Mine Telephone, The Value of a		Smoke Prevention	
Feed Pump and Receiver, Automatic	210	Modern Connect Deider Deith	295	Smoke Jacks, Fire and Acid-proof	13
Fender Jonisias Automotic Cofee	98	Modern Concrete Bridge Building	401	Societies, Engineering	-
Fender, Jenkins Automatic Safety 176,	177	Models for Engineering Students	327	DDIKE Puller. The Norton	-
First Aid to the Injured20, 88,	293	Montreal Bridge Across the St. Lawrence.	388	DDFING Finder Automatic	
Flanges, Methods of Facing and Operation		Montreal Notes	342	Sulfat-Matchet Screw-driver	4 40
on Extra Heavy Companion	210	Monarch Dredge, The	402	Squaring, A Simple Method of	45
Forges, Down Draft: Stationary and Port-		Morrow Machine Screw Co., Limited, The		Steam Pump, The Burnham	17
able	IIO	John	166	Steam Turbine; Our Protest Justified	14
Foundry Economies	220	Motor, Lincoln Variable Speed	291	Steam Turbine, A Demonstration in Design	23
Foundry Enterprise at Fort William	415	Moulding Machine, The Coming of		Steam Furbine, A Demonstration in Design	22
Foundryman's Convention	202	Moulding Machine, The Coming of	265	Steam Engineering	32
Four-valve Engine of High Economy		Moulding Machine, Hand-power	227	Steam Turbines, Jet Condensers for	32
Friendly Word from the East, A	361	Municipal Works, Etc34, 70, 113, 158,		Steam Turbine, The De Laval	I
Friction Clutch, A New Form of		201, 239, 316, 354, 391, 430,	465	Steam Turbine, The Parsons14,	350
Freight Steamer Design		"Napanoch" Tool Kit	302	Steam Engine, High-speed, Automatic	
Furnacea Best II II de la vivia	334	Negative Side of Mechanical Engineering	24	Vertical	45
Furnaces, Rockwell; Hardening, Welding,		Nelson Fair, Exhibits at	383	Steam Turbines, Low Pressure	211
Annealing	53	New Incorporations34, 70, 114, 158, 202,	3-3	Steam Turbine Scare	188
C " F		230, 278, 316, 354, 392, 430,	466	Steel and Iron Plates, Schedule Weights of	384
Gasoline Engines, An Improved Generator		New Idea in Concrete Steel Construction, A		"Stiles" Drop Hammer, The	302
Valve for		New Publications Received	57	Storage Battery Locomotive for Interworks	10
(ias Engines, Notes on the Design of Large	122	New Publications Received 190, 267, 415,	456	Transportation	MIL
Gasket, A New	129	New Methods and Conditions of Building	236	Structural Engineering Dealer About	47
Gas Plant. The National	321	Niagara a Great Workshop	360	Structural Engineering, Rocks Ahead in.	24
Gauges for Machine, Set and Can Same		North Pole by Air-ship and Wireless, To		Sturtevant High Pressure Blower	13
Georgian Day Canal	17	the	50	Suction Gas Engine Plant	321
Goldie Corliss Engine Vertical Company	453	Northern Ontario, Legislative Tour in 268,	307	Switchboard, Secret Service	48
Grain Elevator Controversy	255	Nut and Washer, Combination Wing	165	System in Industrial Establishments	
Green's Air Heater and Economizer				9, 51, 92,	16:
Grindstones, Speed of	128	Obituary	462	Technical Education; Overtraining in Ger-	
Crain of Lumber: D	191	Ontario Government Power Bill 229, 263,	208	many	202
Grain of Lumber in Patterns	146	Ontario's Mineral Resources		Technical Education; A Short-sighted Policy	302
Grates, Poillon's Venetian Blind	292	Ore Separators	301	Technical Education, Dr. Stansfield, on,	337
	19 7	Orifices Air Flow Through Circular	332		
Hammer Core Machine and Cabinet	18	Orifices, Air Flow Through Circular	43	T-1 . D "1 414,	416
Hand vs. Machine Rivetting	145	Ozone	440	Tehuantepec Railway	280
Hand Power Moulding Machine	227		PLOS I	Telephone Wire Distribution, A New Pole	
Haswell, Chas H	101	Patternmakers' Glue	146	Rack	293
	II	Personal Notes 33, 70, 113, 157, 201,	are d	Telephone System in Mines	29
Troisting Drum. wo-in-()ne"	67	239, 276, 316, 353, 391, 430,	455	l'elephones, Independent	346
1101se-power and Man-nower	29	Perfections in Electrical Development at	,155	Telephones Railway	444
Tiorse-power of Steam Turbines		Last	300	Telegraph and Telephone. 34, 70, 114, 158,	444
Trilling Roring and Tanning	94	Perpetual Motion at Last	126		.6
Machine		Petrie, New Offices of H. W	177	Telephone in Washington, D.C., Frivolous	464
How to Improve Telephony	63	Phosphorus Still Unmastered		Tice of the	
How to Polish Metal	409	Pipe-bender, An Ingénious	148	Use of the	139
Hydro-Fleets D	90	Dittaband Win	211	Telephony, How to Improve	400
Hydro-Electric Development in Canada	37	Pittsburgh Vise	370	Test of Subway Engines, Interborough	
Hydro-Electric Enterprise in Canada	73	Pipe Founding in Canada	178	Rapid Transit Co.	102
Impressions of Canada	240	Plant, A New	17		
Impressions of the New Cunard Turbine,	340	Pneumatic Log-sawing Machine	331	est of Dixon's Flake Graphite A New	160
R. M. S. "Carmania"		Pneumatic Flue Welding	406	I HETHIE	220
Independent Talashamia	59	Pneumatic Saw, Portable	175	I hrust Bearing, Anderson's Frictionless	322
Independent Telephony in Quebec	414	Pole Rack for Telephone Wire Distribution	293	1 Ide Levels and Datum Planes on the Pacific	
Industrial Notes 32, 67, 110, 156,		Pocket-knife Tool Kit	302	Coast of Canada	292
108. 226. 274 212 250 288	426	Power Costs	127	1 1001. A Combination	
International Patent Record 27, 61, 99,	Section 1	Pointer	174	Toronto Sewage Disposal	130
Interborough Rapid Transit Co.: Test of	459	Poillon's Venetian Blind Grates	702	Trinity River Plant of the North Mountain	370
Interborough Rapid Transit Co.: Test of		Power Bill, Ontario Government	192	Power Co	
Subway Engines	102		000	Triumph in Electrial Display, A	37
International Waterways Commission	136	Promier Lubricator 229, 263, 265,		Times On Control Display, A	49
Indicator, Description of	192	Premier Lubricator	294	Times, On a Certain Condescension in the	187
Injector, Automatic		Projections	297	Tube Forming Press	330
Industrial and Labor Conditions During the	371	Progress Nowadays	19	Turbinia	26
Month of July		Projected Efficiency	56	Turbines Cheaper	64
Month of July	379	Problem of Secret Telephony, The	46	Turbine Scare, Steam	188
Industrial Bounties	379	Presentation at Sydney, C. B	109	Turbo-generator for Memphis. A 7 500 Km	
Irish International Exhibition414,	418	Preservation of Iron and Steel, The138,	183	Allis-Chalmers	TOP
Irrigation Works of the Canadian Pacific	-	Protected Transit Insrument, A	216		195
Railway	365		246	Universal Milling Machine	
fron and Coal Production	47	Public Ownership of Industrial Utilities.	375	Uwanta Monkey Wrench	16
Iron and Steel, The Preservation of 138,	183			Trenen	174
			174	Valves, Regrinding	VIII.
Jennings, W. F.	417		456	Vancouver R C	8
Jenkins Automatic Safety Fender	176	Quebec Bridge Controversy	- 0	Vancouver, B. C.	197
Jet Condensers for Steam Turbines	329		148	Varnish for Patterns	146
		Quicksilver Mines	256	Ventilation. A Heterodox View of	403
Keep A-grinnin'	22	Railway Track Appliances	18	Vertical Steam Engine, High-speed, Auto-	
Kinnear Roller-shutter Doors	248	D-'1	alliana I	matic .	48
Lady Civil Engineer	197	Rail Mill of Dominion Iron and Steel Co.,	444	Vertical; Compound, Goldie-Corliss Engine	255
Legislative Tour in Northern Ontario 268,		Limited	20	Vibrating Chair, Electrical	256
Lesson from the II S A	307		38	Vises, Ouick-acting	250
Lesson from the U. S. A	57	Railway Notes33, 69, 112, 156, 200, 238,	.6.	Vise. The Pittshurgh	
License Certificates for Stationary Engi-	1	277, 314, 352, 390, 429,	464	VIIII CITY Problems: Sewage Discount	370
neers	96	Rateau Exhaust Regeneration and Utiliza-			William !
Heat and Power, Etc33, 69, 112.		tion Plant	356		
TET 201 220 278 21F 200 428	466	Reciprocating and Low Pressure Steam Tur-		and a stachine	445
Light, Electric	45	bine Engines	338	Wake Up, England	
Variable Speed Motor	201	Refrigerating Machinery, Automatic	411	wasner, The "Fastnut"	57
Locomotive for Interworks Transportation		Reinfored Concrete			
Storage Rottery	607				334
Locomotive for James Bay Railway, Ten-	4/	Retrospect, A		Where Does It Posts 2	338
		Reviews, Book			
Locknut, The Burrow's Patent	119	Rocks Ahead in Structural Engineering			411
Og-sawing Machine Podford Descrit			24		17.25
og-sawing Machine, Redfield Pneumatic		Rockwell Furnaces; Hardening, Welding,			50
ogic from the Laboratory	148	Annealing	53	With the Civil Engineers in the West	0
Cubricator, the Premier	294				440
Machine Shop Notes from the States		Rule of Seven, The	25	Wooden Water Pipes	419
18, 50, 130, 184, 220, 206, 227, 272, 408	116	an Francisco Disaster	220		
	454	Sand Lime Brick	230	Zambesi Cableway	174
		Tarrest Latine Direct Control of the	4101	Zambesi Cableway	
The state of the s	454 1.				247