

# EXHIBIT E

Part 1 of 2

Number	Patent No.	Title	Applied Date	Pending Patents	Pending Claims	Claims over 25	No. of Ind Claims
1	90646	Electrographic Vote-Recorder	10/28/1868	1	3		3
2	91527	Printing-Telegraphs	2/17/1869	2	4		1
3	96567	Printing-Telegraph Apparatus	8/27/1869	1	2		2
4	96681	Automatic Electrical Switch for Telegraph Apparatus	9/4/1869	2	4		2
5	102320	Printing-Telegraph Apparatus (with Franklin L. Pope)	10/27/1869	3	12		8
6	103035	Electro-Motor Escapements	4/11/1870	2	12		4
7	103924	Printing-Telegraph Instruments (with Franklin L. Pope)	4/14/1870	3	21		9
8	128608	Printing-Telegraph Instruments (with Franklin L. Pope)	5/27/1870	2	13		4
9	114656	Telegraphic Transmitting Instruments	6/28/1870	2	5		1
10	114658	Electro-Magnets for Telegraph Instruments	6/28/1870	3	7		2
11	111112	Governors for Electro-Motors	7/6/1870	4	8		1
12	114657	Relay-Magnets for Telegraph Instruments	9/21/1870	5	11		3
13	113033	Printing-Telegraph Apparatus	11/22/1870	6	18		7
14	113034	Printing-Telegraph Apparatus	1/14/1871	7	23		5
15	123005	Telegraph Apparatus	8/4/1871	2	16		12
16	123006	Printing-Telegraphs	8/4/1871	3	19		3
17	123984	Telegraph Apparatus	8/4/1871	4	22		3
18	124800	Telegraphic Recording Instruments	8/18/1871	5	25		3
19	121601	Machinery for Perforating Paper for Telegraph Purposes	8/18/1871	6	45 x		20
20	126535	Printing-Telegraphs	11/18/1871	7	49 x		4
21	133841	Type-Writing Machines	11/18/1871	8	57 x		8
22	126532	Printing-Telegraphs	1/12/1872	8	47 x		10
23	126531	Printing-Telegraphs	1/24/1872	7	35 x		3
24	126534	Printing-Telegraphs	1/24/1872	8	40 x		5
25	126528	Type-Wheels for Printing-Telegraphs	1/30/1872	9	42 x		2
26	126529	Type-Wheels for Printing-Telegraphs	1/30/1872	10	43 x		1
27	126530	Printing-Telegraphs	2/19/1872	11	47 x		4
28	126533	Printing-Telegraphs	2/19/1872	12	49 x		2
29	132456	Apparatus for Perforating Paper for Telegraphic Use	3/22/1872	11	48 x		5
30	132455	Paper for Chemical Telegraphs etc.	4/16/1872	12	49 x		1
31	133019	Electrical Printing-Machines	4/25/1872	13	51 x		2
32	128131	Printing-Telegraphs	5/7/1872	6	21		1
33	128604	Printing-Telegraphs	5/7/1872	7	22		1
34	128605	Printing-Telegraphs	5/7/1872	8	23		1
35	128606	Printing-Telegraphs	5/7/1872	9	24		1
36	128607	Printing-Telegraphs	5/7/1872	10	25		1
37	131334	Rheolomes or Circuit-Directors	6/6/1872	11	27 x		2
38	134867	Automatic Telegraph Instruments	6/6/1872	12	29 x		2
39	134868	Electro-Magnetic Adjusters	6/6/1872	13	30 x		1
40	130795	Electro-Magnets	6/6/1872	14	31 x		1
41	131342	Printing-Telegraph Instruments	6/6/1872	15	33 x		2
42	131341	Printing-Telegraph Instruments	6/6/1872	16	36 x		3
43	131337	Printing-Telegraphs	7/9/1872	11	33 x		6

44	131340 Printing-Telegraphs	7/9/1872	12	36 x	3
45	131343 Transmitters and Circuits for Printing-Telegraphs	7/9/1872	13	39 x	3
46	131335 Printing-Telegraphs	7/9/1872	14	40 x	1
47	131336 Printing-Telegraphs	7/9/1872	15	41 x	1
48	131338 Printing-Telegraphs	7/9/1872	16	43 x	2
49	131339 Printing-Telegraphs	7/9/1872	17	44 x	1
50	131344 Unison-Stops for Printing-Telegraphs	7/9/1872	18	46 x	2
51	134866 Printing-Telegraph Instruments	10/22/1872	5	15	2
52	138869 Printing-Telegraphs	10/22/1872	6	18	3
53	142999 Galvanic Batteries	11/5/1872	7	19	1
54	141772 Circuits for Automatic or Chemical Telegraphs	11/9/1872	8	20	1
55	135531 Circuits for Chemical Telegraphs	11/11/1872	9	21	1
56	146812 Telegraph-Signal Boxes	12/3/1872	9	21	2
57	141773 Circuits for Automatic Telegraphs	1/15/1873	6	11	3
58	141776 Circuits for Automatic Telegraphs	1/15/1873	7	12	1
59	150848 Chemical or Automatic Telegraphs	1/15/1873	8	13	1
60	139128 Printing-Telegraphs	2/18/1873	8	15	3
61	139129 Printing-Telegraphs	2/18/1873	9	17	2
62	140487 Printing-Telegraphs	2/18/1873	10	19	2
63	140489 Circuits for Printing-Telegraphs	2/18/1873	11	20	1
64	138870 Printing-Telegraphs	3/13/1873	12	21	1
65	141774 Chemical Telegraphs	3/13/1873	13	22	1
66	141775 Perforators for Automatic Telegraphs	3/13/1873	14	23	1
67	141777 Relay-Magnets	3/13/1873	15	24	1
68	142688 Electrical Regulators for Transmitting-Instruments	3/13/1873	16	25	1
69	156843 Duplex Chemical Telegraphs	3/13/1873	17	26 x	1
70	147312 Perforators for Automatic Telegraphy	7/29/1873	12	16	2
71	147314 Circuits for Chemical Telegraphs	7/29/1873	13	17	1
72	150847 Receiving Instruments for Chemical Telegraphs	7/29/1873	14	18	1
73	162633 Duplex Telegraphs	4/26/1873	21	33 x	3
74	140488 Printing-Telegraphs	5/16/1873	20	35 x	6
75	147917 Duplex Telegraphs	6/27/1873	19	31 x	1
76	150846 Telegraph-Relays	6/27/1873	20	33 x	2
77	147311 Electric Telegraphs	7/29/1873	18	25	1
78	147313 Chemical Telegraphs	7/29/1873	19	27 x	2
79	160405 Adjustable Electro-Magnets for Relays, etc.	7/29/1873	20	28 x	1
80	151209 Automatic Telegraphy and Perforators Therefor	9/2/1873	15	22	2
81	160402 Solutions for Chemical Telegraph-Paper	6/1/1874	4	6	1
82	160404 Solutions for Chemical Telegraph-Paper	6/1/1874	5	7	1
83	160580 Solutions for Chemical Telegraph-Paper	6/1/1874	6	8	1
84	160403 Solutions for Chemical Telegraph-Paper	6/1/1874	7	9	1
85	154788 District Telegraph Signal-Boxes	5/11/1874	12	18	3
86	166804 Printing-Telegraphs	6/1/1874	9	14	2
87	166859 Chemical Telegraphy	7/25/1874	10	16	2

88	166860	Chemical Telegraphy	7/25/1874	11	17	1
89	166861	Chemical Telegraphy	7/25/1874	12	18	1
90	158787	Telegraph Apparatus	8/13/1874	13	22	4
91	172305	Automatic Roman-Character Telegraphs	1/15/1875	12	19	1
92	173716	Automatic Telegraphy	1/15/1875	13	20	1
93	168465	Solutions for Chemical Telegraphs	1/15/1875	14	21	1
94	178221	Duplex Telegraphs	9/1/1874	17	27 x	2
95	178222	Duplex Telegraphs	9/1/1874	18	28 x	1
96	178223	Duplex Telegraphs	9/1/1874	19	31 x	3
97	180858	Duplex Telegraphs	9/1/1874	20	33 x	2
98	207723	Duplex Telegraphs	9/1/1874	21	34 x	1
99	480567	Duplex Telegraph	9/1/1874	22	39 x	5
100	207724	Duplex Telegraphs	12/28/1874	21	37 x	2
101	168242	Transmitters and Receivers for Automatic Telegraphs	1/26/1875	21	36 x	3
102	168243	Automatic Telegraphs	1/26/1875	22	38 x	2
103	168385	Duplex Telegraphs	1/26/1875	23	39 x	1
104	168466	Solutions for Chemical Telegraphs	1/26/1875	24	40 x	1
105	168467	Recording-Points for Chemical Telegraphs	1/26/1875	25	41 x	1
106	195751	Automatic Telegraphs	1/27/1875	26	43 x	2
107	195752	Automatic Telegraphs	1/27/1875	27	45 x	2
108	171273	Telegraph Apparatus	2/16/1875	28	47 x	2
109	169972	Electric-Signalling Instruments	3/23/1875	24	46 x	4
110	209241	Quadruplex-Telegraph Repeaters	3/23/1875	25	48 x	2
111	180857	Autographic Printing	3/13/1876	11	28 x	6
112	198088	Telephonic Telegraphs	4/6/1876	12	33 x	5
113	198089	Telephonic or Electro-Harmonic Telegraphs	4/6/1876	13	36 x	3
114	182996	Acoustic Telegraphs	5/16/1876	14	43 x	7
115	186330	Acoustic Electric Telegraphs	5/16/1876	15	51 x	8
116	198087	Telephonic Telegraphs	5/16/1876	16	55 x	4
117	186548	Telegraphic Alarm and Signal Apparatus	5/18/1876	17	60 x	5
118	185507	Electro-Harmonic Multiplex Telegraphs	8/31/1876	13	59 x	13
119	200993	Acoustic Telegraphs	9/18/1876	14	64 x	5
120	235142	Acoustic Telegraph	9/30/1876	15	65 x	1
121	200032	Synchronous Movements for Electric Telegraphs	11/1/1876	15	60 x	2
122	200994	Automatic-Telegraph Perforator and Transmitter	11/11/1876	16	64 x	4
123	213554	Automatic Telegraphs	3/26/1877	14	46 x	8
124	205370	Pneumatic Stencil-Pens	3/26/1877	15	48 x	2
125	196747	Stencil-Pens	4/23/1877	16	49 x	1
126	203329	Perforating Pens	4/23/1877	17	52 x	3
127	474230	Speaking-Telegraph	4/27/1877	18	54 x	2
128	230621	Addressing-Machine	5/10/1877	19	55 x	1
129	217781	Sextuplex Telegraphs	5/14/1877	20	56 x	1
130	377374	Telegraphy	5/14/1877	21	59 x	3
131	452913	Sextuplex Telegraph	6/2/1877	22	63 x	4

132	453601 Sextuplex Telegraph	6/2/1877	23	67 x	4
133	512872 Sextuplex Telegraph	6/2/1877	24	73 x	6
134	474231 Speaking-Telegraph	7/20/1877	25	74 x	1
135	203014 Speaking-Telegraphs	7/20/1877	26	76 x	2
136	208299 Speaking-Telephones	7/20/1877	27	79 x	3
137	420594 Quadruplex Telegraph	8/22/1877	28	83 x	4
138	203015 Speaking-Telegraphs	8/28/1877	29	91 x	8
139	492789 Speaking-Telegraph	9/5/1877	30	94 x	3
140	203013 Speaking-Telegraphs	12/13/1877	25	81 x	4
141	203018 Telephones or Speaking-Telegraphs	12/13/1877	26	82 x	1
142	200521 Phonograph or Speaking Machines	12/24/1877	27	86 x	4
143	203019 Circuits for Acoustic or Telephonic Telegraphs	2/21/1878	26	81 x	1
144	201760 Speaking-Machines	3/4/1878	27	83 x	2
145	203017 Telephone Call-Signal	3/4/1878	28	86 x	3
146	203016 Speaking-Telephones	3/7/1878	27	79 x	2
147	210767 Vocal Engines	11/27/1878	14	44 x	1
148	214636 Electric Lights	10/14/1878	16	48 x	2
149	222390 Carbon-Telephones	11/1/1878	16	49 x	3
150	217782 Duplex Telegraphs	11/14/1878	17	51 x	2
151	214637 Thermal Regulators for Electric Lights	11/18/1878	18	52 x	1
152	218166 Magneto-Electric Machines	12/9/1878	19	53 x	1
153	218866 Electric Lighting Apparatus	12/9/1878	20	55 x	2
154	219628 Electric Lights	12/9/1878	21	58 x	3
155	295990 Type-Writer	12/9/1878	22	59 x	1
156	218167 Apparatus for Electric Lights	1/10/1879	22	60 x	2
157	224329 Electric-Lighting Apparatus	2/3/1879	23	62 x	2
158	227228 Electric Light	2/3/1879	24	64 x	2
159	227227 Electric Light	2/10/1879	25	71 x	7
160	224665 Autographic Stencils for Printing	3/17/1879	26	74 x	3
161	227679 Phonograph	3/29/1879	26	74 x	8
162	221957 Telephones	3/31/1879	27	78 x	4
163	227229 Electric Light	4/21/1879	28	83 x	4
164	264643 Magneto-Electric Machine	5/12/1879	27	82 x	5
165	219393 Dynamo-Electric Machine	7/10/1879	28	85 x	2
166	231704 Electro-Chemical Receiving-Telephone	7/25/1879	27	85 x	3
167	266022 Telephone	8/6/1879	26	83 x	3
168	252442 Telephone	8/6/1879	27	84 x	1
169	222881 Magneto-Electric Machines	9/10/1879	26	80 x	1
170	223898 Electric Lamp	11/4/1879	26	81 x	1
171	230255 Method of Manufacturing Electric Lamps	2/5/1880	23	71 x	4
172	265311 Electric Lamp and Holder for the Same	2/5/1880	24	77 x	2
173	369280 System of Electrical Distribution	2/5/1880	25	85 x	6
174	248425 Apparatus for Producing High Vacuums	3/29/1880	25	85 x	8
175	228617 Brake for Electro-Magnetic Motors	3/20/1880	24	86 x	6
			25	89 x	3

176	251545 Electric Meter	3/20/1880	26	92 x	3
177	525888 Manufacture of Carbons for Electric Lamps	3/20/1880	27	98 x	6
178	227226 Safety-Conductor for Electric Lights	3/25/1880	28	100 x	2
179	264649 Dynamo or Magneto Electric Machine	3/20/1880	29	105 x	5
180	228329 Magnetic Ore-Separator	4/7/1880	30	108 x	3
181	238868 Manufacture of Carbons for Incandescent Electric Lamps	5/24/1880	26	86 x	2
182	237732 Electric Light	6/30/1880	25	83 x	3
183	248417 Manufacturing Carbons for Electric Lights	6/30/1880	26	84 x	1
184	298679 Method of Treating Carbons for Electric Lights	7/3/1880	27	86 x	2
185	248430 Electro-Magnetic Brake	7/22/1880	27	87 x	3
186	265778 Electro-Magnetic Railway-Engine	7/22/1880	28	90 x	3
187	248432 Magnetic Separator	8/6/1880	28	93 x	4
188	239150 Electric Lamp	8/6/1880	29	95 x	2
189	251540 Carbon for Electric Lamps	8/6/1880	30	97 x	2
190	263139 Manufacture of Carbons for Electric Lamps	8/6/1880	31	100 x	3
191	239372 Testing Electric-Light Carbons	8/9/1880	32	105 x	5
192	434565 Telegraph-Relay	8/9/1880	33	109 x	4
193	263140 Dynamo-Electric Machine	8/9/1880	34	114 x	5
194	248423 Carbonizer	8/11/1880	35	115 x	1
195	239147 System of Electric Lighting	8/9/1880	36	117 x	2
196	248434 Governor for Electric Engines	8/9/1880	37	119 x	2
197	264642 Electric Distribution and Translation System	8/9/1880	38	125 x	6
198	293433 Insulation of Railroad-Tracks Used for Electrical Circuits	8/9/1880	39	128 x	3
199	239373 Electric Lamp	8/17/1880	40	129 x	1
200	239745 Electric Lamp	8/17/1880	41	132 x	3
201	263135 Electric Lamp	8/17/1880	42	136 x	4
202	251546 Electric Lamp	8/17/1880	43	137 x	1
203	239153 Electric Lamp	8/27/1880	44	139 x	2
204	351855 Electric Lamp	8/27/1880	45	142 x	3
205	248435 Utilizing Electricity as a Motive Power	10/1/1880	45	142 x	3
206	263132 Electro-Magnetic Railway	8/19/1880	47	147 x	2
207	264645 System of Conductors for the Distribution of Electricity	10/7/1880	47	145 x	1
208	240678 Webermeter	10/7/1880	48	150 x	5
209	239152 System of Electric Lighting	10/30/1880	49	151 x	1
210	239148 Treating Carbons for Electric Lamps	10/30/1880	50	152 x	1
211	251556 Regulator for Magneto or Dynamo Electric Machines	10/30/1880	51	155 x	3
212	242900 Manufacturing Carbons for Electric Lamps	11/5/1880	52	156 x	1
213	238098 Magneto Signal Apparatus	11/11/1880	53	159 x	3
214	248426 Apparatus for Treating Carbons for Electric Lamps	11/24/1880	54	160 x	1
215	239151 Method of Forming Enlarged Ends on Carbon Filaments	11/24/1880	55	162 x	2
216	12631 Design for an Incandescent Electric Lamp	11/30/1880	56	163 x	1
217	239149 Incandescing Electric Lamp	12/15/1880	56	164 x	2
218	242896 Incandescent Electric Lamp	12/15/1880	57	166 x	2
219	242897 Incandescent Electric Lamp	12/15/1880	58	168 x	2

220	248565	Webermeter	12/15/1880	59	170 x	2
221	263878	Electric Lamp	12/15/1880	60	173 x	3
222	239154	Relay for Telegraphs	12/14/1880	61	174 x	1
223	248431	Preserving Fruit	12/14/1880	62	176 x	2
224	242898	Magneto or Dynamo Electric Machine	12/15/1880	63	180 x	4
225	265777	Method of Treating Carbons for Electric Lamps	12/15/1880	64	182 x	2
226	239374	Regulating the Generation of Electric Currents	1/11/1881	65	185 x	3
227	248428	Manufacture of Incandescent Electric Lamps	1/11/1881	66	188 x	3
228	248427	Apparatus for Treating Carbons for Electric Lamps	1/11/1881	67	190 x	2
229	248437	Apparatus for Treating Carbons for Electric Lamps	1/11/1881	68	192 x	2
230	248416	Manufacture of Carbons for Electric Lamps	1/11/1881	69	195 x	3
231	242899	Electric Lighting	1/26/1881	70	200 x	5
232	248418	Electric Lamp	1/31/1881	71	203 x	3
233	248433	Vacuum Apparatus	1/31/1881	72	205 x	2
234	251548	Incandescent Electric Lamp	1/31/1881	73	207 x	2
235	406824	Electric Meter	1/31/1881	74	212 x	5
236	248422	System of Electric Lighting	1/31/1881	75	216 x	4
237	431018	Dynamo or Magneto-Electric Machine	2/21/1881	75	215 x	2
238	242901	Electric Meter	3/3/1881	75	217 x	5
239	248429	Electric Motor	3/3/1881	76	218 x	1
240	248421	Current-Regulator for Dynamo-Electric Machines	3/5/1881	77	223 x	5
241	251550	Magneto or Dynamo Electric Machine	3/3/1881	78	225 x	2
242	251555	Regulator for Dynamo-Electric Machines	5/27/1881	65	195 x	2
243	482549	Means for Controlling Electric Generation	3/12/1881	80	228 x	1
244	248420	Fixture and Attachment for Electric Lamps	3/26/1881	72	223 x	10
245	251553	Electric Chandelier	3/26/1881	73	230 x	7
246	251554	Electric Lamp and Socket or Holder	3/26/1881	74	236 x	6
247	248424	Fitting and Fixture for Electric Lamps	3/26/1881	75	241 x	5
248	248419	Electric Lamp	4/15/1881	72	231 x	2
249	251542	System of Electric Lighting	4/26/1881	72	228 x	2
250	263145	Process of Making Incandescents	4/26/1881	73	229 x	1
251	266447	Electric Incandescent Lamp	4/26/1881	74	231 x	2
252	251552	Underground Conductors	4/26/1881	75	236 x	5
253	476531	Electric-Lighting System	4/26/1881	76	239 x	3
254	248436	Depositing Cell for Plating the Connections of Electric Lamps,	5/27/1881	77	241 x	2
255	251539	Electric Lamp	5/27/1881	78	242 x	1
256	263136	Regulator for Dynamo or Magneto Electric Machines	5/27/1881	79	247 x	5
257	251557	Webermeter	5/27/1881	80	251 x	4
258	263134	Regulator for Dynamo or Magneto Electric Machines	5/28/1881	81	255 x	4
259	251541	Electro-Magnetic Motor	5/31/1881	82	257 x	2
260	251549	Electric Lamp and the Manufacture Thereof	5/31/1881	83	259 x	2
261	341644	Incandescent Electric Lamp	5/31/1881	84	262 x	3
262	251544	Manufacture of Electric Lamps	6/22/1881	79	244 x	1
263	251558	Webermeter	8/30/1881	80	248 x	4

264	263141 Straightening Carbons of Electric Incandescent Lamps	6/24/1881	81	250 X	2
265	251551 System of Electric Lighting	8/30/1881	82	252 X	2
266	263137 Electric Chandelier	8/30/1881	83	253 X	1
267	264657 Incandescent Electric Lamp	8/30/1881	84	257 X	4
268	251543 Electric Lamp	8/30/1881	85	258 X	1
269	251538 Electric Light	5/28/1881	92	281 X	4
270	251547 Electrical Governor	6/24/1881	87	265 X	3
271	263150 Magneto or Dynamo Electric Machine	6/22/1881	88	271 X	6
272	425760 Measurement of Electricity in Distribution Systems	6/22/1881	89	274 X	3
273	263131 Magnetic Ore-Separator	6/22/1881	90	276 X	2
274	435687 Means for Charging and Using Secondary Batteries	9/3/1881	91	279 X	3
275	263143 Magneto or Dynamo Electric Machine	8/30/1881	92	283 X	4
276	251537 Dynamo-Electric Machine	8/30/1881	93	285 X	2
277	263147 Vacuum Apparatus	8/30/1881	94	289 X	4
278	439389 Electric-Lighting System	8/30/1881	95	291 X	2
279	263149 Commutator for Dynamo or Magneto Electric Machines	8/30/1881	96	296 X	5
280	479184 Fac-simile Telegraph	10/4/1881	74	239 X	12
281	400317 Ore-Separator	12/6/1881	74	239 X	12
282	425763 Commutator for Dynamo-Electric Machines	8/25/1882	37	131 X	3
283	263142 Electrical Distribution System	11/15/1881	76	243 X	1
284	264647 Dynamo or Magneto Electric Machine	10/4/1881	100	316 X	1
285	404902 Electrical-Distribution System	10/4/1881	101	325 X	9
286	263133 Dynamo or Magneto Electric Machine	10/4/1881	102	327 X	2
287	257677 Telephone	11/11/1881	80	263 X	5
288	266021 Telephone	10/17/1881	104	336 X	4
289	263144 Mold for Carbonizing Incandescents	10/17/1881	105	341 X	5
290	265774 Method of Maintaining Temperature in Webermeters	11/11/1881	83	276 X	4
291	264648 Dynamo or Magneto Electric Machine	11/11/1881	84	277 X	1
292	265776 Electric-Lighting System	11/11/1881	85	279 X	2
293	524136 Regulator for Dynamo-Electric Machines	11/11/1881	86	282 X	3
294	273715 Art of Malleablizing Iron	11/11/1881	87	285 X	3
295	281352 Webermeter	8/7/1882	63	221 X	3
296	446667 Locomotive for Electric Railways	11/11/1881	89	292 X	4
297	288318 Regulator for Dynamo or Magneto Electric Machines	8/7/1882	65	227 X	2
298	251559 Electrical Drop-Light	11/11/1881	91	301 X	7
299	263148 Dynamo or Magneto Electric Machine	11/11/1881	92	306 X	5
300	264646 Dynamo or Magneto Electric Machine	11/28/1881	93	312 X	6
301	266793 Electric Distribution System	11/28/1881	94	315 X	3
302	358599 Incandescent Electric Lamp	12/9/1881	95	321 X	6
303	264673 Regulator for Dynamo-Electric Machines	11/28/1881	96	322 X	1
304	263138 Electric-Arc Light	11/28/1881	97	325 X	3
305	265775 Electric-Arc Light	11/28/1881	98	326 X	1
306	297580 Electric-Arc Light	11/28/1881	99	329 X	3
307	263146 Dynamo Magneto Electric Machine	11/28/1881	100	331 X	2
		11/29/1881	101	335 X	4

306	317631 Incandescent Electric Lamp	11/29/1881	102	338 x	3
309	266588 Vacuum Apparatus	12/6/1881	103	341 x	3
310	251536 Vacuum-Pump	12/7/1881	104	342 x	1
311	264650 Manufacture of Incandescent Electric Lamps	12/9/1881	105	345 x	3
312	379770 Incandescent Electric Lamp	12/9/1881	106	347 x	2
313	264660 Regulator for Dynamo-Electric Machines	8/7/1882	80	279 x	5
314	293434 Incandescent Electric Lamp	8/7/1882	81	281 x	2
315	439391 Junction-Box for Electric Wires	8/7/1882	82	290 x	9
316	454558 Incandescent Electric Lamp	8/7/1882	83	291 x	1
317	264653 Incandescent Electric Lamp	8/7/1882	84	293 x	2
318	358600 Incandescent Electric Lamp	8/7/1882	85	296 x	3
319	264652 Incandescent Electric Lamp	8/7/1882	86	297 x	1
320	278419 Dynamo-Electric Machine	8/7/1882	87	300 x	3
321	265779 Regulator for Dynamo-Electric Machines	8/7/1882	88	304 x	4
322	264654 Incandescent Electric Lamp	8/7/1882	89	307 x	3
323	264661 Regulator for Dynamo-Electric Machines	8/7/1882	90	314 x	7
324	264664 Regulator for Dynamo-Electric Machines	8/7/1882	91	317 x	3
325	264668 Regulator for Dynamo-Electric Machines	8/7/1882	92	320 x	3
326	264669 Regulator for Dynamo-Electric Machines	8/7/1882	93	325 x	5
327	264671 Regulator for Dynamo-Electric Machines	8/7/1882	94	330 x	5
328	275613 Incandescent Electric Lamp	8/7/1882	95	334 x	4
329	401646 Incandescent Electric Lamp	8/7/1882	96	335 x	1
330	264658 Regulator for Dynamo-Electric Machines	8/7/1882	97	338 x	3
331	264659 Regulator for Dynamo-Electric Machines	8/7/1882	98	343 x	5
332	265780 Regulator for Dynamo-Electric Machines	8/7/1882	99	345 x	2
333	265781 Regulator for Dynamo-Electric Machines	8/7/1882	100	354 x	9
334	278416 Manufacture of Incandescent Electric Lamps	8/7/1882	101	358 x	4
335	379771 Regulator for Dynamo-Electric Machines	8/7/1882	102	361 x	3
336	272034 Telephone	10/6/1882	60	201 x	1
337	274576 Transmilling-Telephone	10/6/1882	61	208 x	7
338	274577 Telephone	10/6/1882	62	212 x	4
339	268205 Dynamo or Magneto Electric Machine	5/17/1882	106	377 x	4
340	264662 Regulator for Dynamo-Electric Machines	8/7/1882	107	380 x	3
341	264663 Regulator for Dynamo-Electric Machines	8/7/1882	108	382 x	2
342	264665 Regulator for Dynamo-Electric Machines	8/7/1882	109	385 x	3
343	264666 Regulator for Dynamo-Electric Machines	8/7/1882	110	388 x	3
344	273488 Regulator for Dynamo-Electric Machines	8/7/1882	111	390 x	2
345	460122 Process of and Apparatus for Generating Electricity	5/26/1882	112	397 x	7
346	466460 Art of Electrolytic Decomposition	5/26/1882	113	399 x	2
347	273492 Secondary Battery	6/26/1882	114	400 x	2
348	264667 Regulator for Dynamo-Electric Machines	8/7/1882	115	404 x	4
349	264672 Regulator for Dynamo-Electric Machines	8/7/1882	116	407 x	3
350	265786 Apparatus for the Electrical Transmission of Power	8/7/1882	117	412 x	5
351	273828 System of Underground Conductors for Electrical Distribution	8/7/1882	118	415 x	3

352	379772 System of Electrical Distribution	8/7/1882	119	419 x	4
353	274292 Secondary Battery	8/7/1882	120	421 x	2
354	365509 Filament for Incandescent Electric Lamps	8/7/1882	121	423 x	2
355	446668 Electric-Arc Light	8/7/1882	122	427 x	4
356	543985 Incandescent Conductor for Electric Lamps	8/7/1882	123	431 x	4
357	281353 Dynamo or Magneto Electric Machine	9/13/1882	103	361 x	5
358	287523 Dynamo or Magneto Electric Machine	9/13/1882	104	365 x	4
359	264651 Incandescent Electric Lamp	8/7/1882	126	441 x	1
360	264655 Incandescent Electric Lamp	8/7/1882	127	443 x	2
361	264670 Regulator for Dynamo-Electric Machines	8/7/1882	128	449 x	6
362	273489 Turn-Table for Electric Railways	8/7/1882	129	453 x	4
363	273490 Electro-Magnetic Railway System	8/7/1882	130	456 x	3
364	401486 System of Electric Lighting	8/7/1882	131	458 x	2
365	476527 System of Electric Lighting	8/7/1882	132	466 x	8
366	439390 System of Electric Lighting	6/26/1882	133	476 x	10
367	446666 System of Electric Lighting	6/26/1882	134	485 x	9
368	464822 System of Distributing Electricity	6/28/1882	135	489 x	4
369	304082 Electrical Meter	8/14/1882	136	497 x	8
370	274296 Manufacture of Incandescents	8/14/1882	137	498 x	1
371	264656 Incandescent Electric Lamp	8/14/1882	138	500 x	2
372	265782 Regulator for Dynamo-Electric Machines	8/14/1882	139	503 x	3
373	265783 Regulator for Dynamo-Electric Machines	8/14/1882	140	507 x	4
374	265784 Regulator for Dynamo-Electric Machines	8/14/1882	141	509 x	2
375	265785 Dynamo-Electric Machine	8/14/1882	142	515 x	6
376	273494 Electrical Railroad	8/14/1882	143	518 x	3
377	278418 Apparatus for Translating Electric Currents From High to Low	8/14/1882	144	523 x	5
378	293435 Electrical Meter	8/14/1882	145	528 x	5
379	334853 Mold for Carbonizing	8/14/1882	146	531 x	3
380	339278 Electric Railway	8/14/1882	147	534 x	3
381	273714 Magneto-Electric Signaling Apparatus	8/7/1882	148	538 x	4
382	282287 Magneto-Electric Signaling Apparatus	8/7/1882	149	540 x	2
383	448778 Electric Railway	8/7/1882	150	547 x	7
384	439392 Electric-Lighting System	8/7/1882	131	477 x	2
385	271613 Manufacture of Incandescent Electric Lamps	8/22/1882	131	478 x	4
386	287518 Method of Manufacturing Incandescent Electric Lamps	9/13/1882	132	481 x	3
387	406825 Electric Meter	9/13/1882	133	485 x	4
388	439393 Carbonizing-Chamber	9/13/1882	134	489 x	4
389	273487 Regulator for Dynamo-Electric Machines	9/13/1882	104	364 x	4
390	297581 Incandescent Electric Lamp	9/22/1882	105	385 x	1
391	395962 Method of Manufacturing Electric Lamps	9/22/1882	106	388 x	3
392	287525 Regulator for Systems of Electrical Distribution	10/20/1882	91	334 x	5
393	365465 Valve-Gear	10/12/1882	94	345 x	5
394	307029 Filament for Incandescent Lamps	10/12/1882	95	346 x	1
395	268206 Incandescent Electric Lamp	10/12/1882	96	350 x	4

396	273486	Incandescent Electric Lamp	10/20/1882	95	348 x	4
397	274293	Electric Lamp	10/20/1882	96	349 x	1
398	275612	Manufacture of Incandescent Electric Lamps	10/20/1882	97	351 x	2
399	430932	Manufacture of Incandescent Lamps	10/20/1882	98	355 x	4
400	271616	Regulator for Dynamo-Electric Machines	10/20/1882	99	359 x	4
401	543986	Process of Treating and Products Derived from Vegetable Fibr	10/20/1882	100	362 x	3
402	543987	Filament for Incandescent Lamps	10/20/1882	101	365 x	3
403	271614	Shafting	10/20/1882	102	366 x	1
404	411016	Manufacture of Carbon Filaments	10/20/1882	103	370 x	4
405	273491	Regulator for Driving Engines of Electrical Generators	10/26/1882	102	372 x	7
406	273493	Valve-Gear for Electrical Generator-Engines	10/26/1882	103	377 x	5
407	492150	Process of Coating Conductors for Incandescent Lamps	10/26/1882	104	379 x	2
408	271615	Governor for Dynamo-Electric Machines	11/9/1882	104	376 x	3
409	273485	Incandescent Electric Lamp	11/9/1882	105	378 x	2
410	317632	Incandescent Electric Lamp	11/9/1882	106	381 x	3
411	317633	Incandescent Electric Lamp	11/9/1882	107	384 x	3
412	287520	Incandescent Conductor for Electric Lamps	11/9/1882	108	385 x	1
413	353783	Incandescent Electric Lamp	11/9/1882	109	388 x	3
414	430933	Filament for Incandescent Lamps	11/9/1882	110	394 x	6
415	274294	Incandescent Electric Lamp	11/23/1882	111	399 x	5
416	281350	Regulator for Dynamo-Electric Machines	11/23/1882	112	403 x	4
417	274295	Incandescent Electric Lamp	11/23/1882	113	408 x	5
418	276233	Electrical Generator and Motor	11/23/1882	114	420 x	12
419	274290	System of Electrical Distribution	11/27/1882	115	424 x	4
420	274291	Mold for Carbonizing	12/8/1882	114	421 x	5
421	278413	Regulator for Dynamo-Electric Machines	12/8/1882	115	425 x	4
422	278414	Regulator for Dynamo-Electric Machines	12/8/1882	116	428 x	3
423	287519	Incandescent Electric Lamp	12/8/1882	117	431 x	3
424	287524	Regulator for Dynamo-Electric Machines	12/8/1882	118	439 x	8
425	438298	Manufacture of Incandescent Electric Lamps	12/8/1882	119	443 x	4
426	276232	Means for Operating and Regulating Electrical Generators	1/8/1883	120	456 x	13
427	278415	Manufacture of Incandescent Electric Lamps	1/22/1883	121	458 x	2
428	278417	Manufacture of Incandescent Electric Lamps	1/22/1883	122	461 x	3
429	261349	Regulator for Dynamo-Electric Machines	1/22/1883	123	464 x	3
430	283985	System of Electrical Distribution	1/22/1883	124	467 x	3
431	283986	System of Electrical Distribution	1/22/1883	125	470 x	3
432	459835	Manufacture of Incandescent Electric Lamps	1/22/1883	126	472 x	2
433	13940	Design for Incandescent Electric Lamp	3/16/1883	109	416 x	2
434	280727	System of Electrical Distribution	3/16/1883	110	426 x	10
435	395123	Circuit-Controller for Dynamo-Electric Machines	3/16/1883	111	432 x	6
436	287521	Dynamo or Magneto Electric Machine	3/16/1883	112	434 x	2
437	287522	Mold for Carbonizing	3/16/1883	113	441 x	7
438	438299	Manufacture of Carbon Filaments	3/16/1883	114	444 x	3
439	446669	Manufacture of Filaments for Incandescent Electric Lamps	3/16/1883	115	447 x	3

440	476528 Incandescent Electric Lamp	3/16/1883	116	450 x	3
441	281351 Electrical Generator	3/16/1883	117	462 x	12
442	283984 System of Electrical Distribution	3/16/1883	118	466 x	4
443	287517 System of Electrical Distribution	3/16/1883	119	470 x	4
444	283983 System of Electrical Distribution	4/17/1883	109	436 x	6
445	354310 Manufacture of Carbon Conductors	4/17/1883	110	439 x	3
446	370123 Electric Meter	4/17/1883	111	445 x	6
447	411017 Carbonizing-Flask	4/17/1883	112	447 x	2
448	370124 Manufacture of Filaments for Incandescent Electric Lights	4/20/1883	113	449 x	2
449	287516 System of Electrical Distribution	5/14/1883	112	427 x	3
450	341839 Incandescent Electric Lamp	5/14/1883	113	432 x	5
451	398774 Incandescent Electric Lamp	5/14/1883	114	436 x	4
452	370125 Electrical Transmission of Power	6/7/1883	107	415 x	5
453	370126 Electrical Transmission of Power	6/7/1883	108	417 x	2
454	370127 Electrical Transmission of Power	6/7/1883	109	419 x	2
455	370128 Electrical Transmission of Power	6/7/1883	110	421 x	2
456	370129 Electrical Transmission of Power	6/7/1883	111	427 x	6
457	370130 Electrical Transmission of Power	6/7/1883	112	431 x	4
458	370131 Electrical Transmission of Power	6/7/1883	113	433 x	2
459	438300 Gage for Testing Fibers for Incandescent-Lamp Carbons	6/7/1883	114	436 x	3
460	287511 Electric Regulator	6/29/1883	115	444 x	8
461	287512 Dynamo-Electric Machine	6/29/1883	116	450 x	6
462	287513 Dynamo-Electric Machine	6/29/1883	117	452 x	2
463	287514 Dynamo-Electric Machine	6/29/1883	118	462 x	10
464	287515 System of Electrical Distribution	6/29/1883	119	467 x	5
465	297582 Dynamo-Electric Machine	6/29/1883	120	470 x	3
466	328572 Commutator for Dynamo-Electric Machines	6/29/1883	121	478 x	8
467	430934 Electric-Lighting System	6/29/1883	122	484 x	6
468	438301 System of Electric Lighting	6/29/1883	123	489 x	5
469	297583 Dynamo-Electric Machine	10/10/1883	113	441 x	8
470	304083 Dynamo-Electric Machine	10/10/1883	114	444 x	3
471	304084 Device for Protecting Electric-Light Systems from Lightning	10/10/1883	115	448 x	4
472	438302 Commutator for Dynamo-Electric Machines	10/10/1883	116	451 x	3
473	476529 System of Electrical Distribution	10/10/1883	117	454 x	3
474	297584 Dynamo-Electric Machine	10/10/1883	118	466 x	12
475	307030 Electrical Meter	10/10/1883	119	472 x	6
476	435688 Process of and Apparatus for Generating Electricity	9/19/1883	120	489 x	17
477	297585 Incandescent Conductor for Electric Lamps	10/10/1883	121	496 x	7
478	297586 Electrical Conductor	10/10/1883	122	499 x	3
479	470922 Manufacture of Filaments for Incandescent Lamps	10/10/1883	123	503 x	4
480	490953 Art of Generating Electricity	11/1/1883	109	441 x	9
481	283432 Electrical Generator or Motor	10/18/1883	125	516 x	4
482	307031 Electrical Indicator	11/15/1883	110	446 x	8
483	337254 Telephone	11/13/1883	111	453 x	7

484	297587	Dynamo-Electric Machine	12/12/1883	112	459 X	6
485	298954	Dynamo-Electric Machine	12/12/1883	113	465 X	6
486	298955	Dynamo-Electric Machine	12/12/1883	114	470 X	5
487	304085	System of Electrical Distribution	12/12/1883	115	477 X	7
488	509517	System of Electrical Distribution	12/12/1883	116	479 X	2
489	425761	Incandescent Lamp	11/22/1883	117	482 X	3
490	534206	Filament for Incandescent Lamps	1/4/1884	118	485 X	3
491	304086	Incandescent Electric Lamp	1/24/1884	119	487 X	2
492	298956	Mode of Operating Dynamo-Electric Machines	1/24/1884	120	492 X	5
493	304087	Electrical Conductor	1/24/1884	121	495 X	3
494	526147	Art of Plating One Material with Another	1/28/1884	122	499 X	4
495	395963	Incandescent-Lamp Filament	4/5/1884	118	485 X	1
496	339279	System of Electrical Distribution	4/5/1884	119	488 X	3
497	314115	Chemical Stock Quotation Telegraph	3/19/1884	121	524 X	35
498	436968	Method of and Apparatus for Drawing Wire	6/10/1884	109	467 X	4
499	436969	Method of and Apparatus for Drawing Wire	6/10/1884	110	471 X	4
500	438303	Arc Lamp	6/10/1884	111	473 X	2
501	343017	System of Electrical Distribution	8/7/1884	112	481 X	8
502	391595	System of Electric Lighting	8/7/1884	113	488 X	7
503	328573	System of Electric Lighting	10/2/1884	108	466 X	5
504	328574	System of Electric Lighting	10/2/1884	109	470 X	4
505	328575	System of Electric Lighting	10/2/1884	110	473 X	3
506	391596	Incandescent Electric Lamp	10/2/1884	111	475 X	2
507	438304	Electric Signaling Apparatus	12/15/1884	109	462 X	2
508	422577	Apparatus for Speaking-Telephones	12/1/1884	110	465 X	3
509	329030	Telephone	12/15/1884	111	467 X	2
510	340707	Telephonic Repeater	12/15/1884	112	472 X	5
511	422578	Telephonic Repeater	12/15/1884	113	475 X	3
512	422578	Telephonic Repeater	12/15/1884	114	491 X	16
513	340708	Electrical Signaling Apparatus	1/12/1885	115	494 X	3
514	347097	Electrical Signaling Apparatus	1/12/1885	116	499 X	5
515	478743	Telephone-Repeater	10/14/1885	113	468 X	13
516	340709	Telephone-Circuit	10/14/1885	114	470 X	2
517	378044	Telephone-Transmitter	10/14/1885	115	474 X	4
518	348114	Electrode for Telephone-Transmitters	10/14/1885	116	479 X	5
519	438305	Fuse-Block	10/14/1885	117	481 X	2
520	350234	System of Railway Signaling	4/7/1885	121	497 X	7
521	486634	System of Railway Signaling	4/7/1885	122	505 X	8
522	333289	Telegraphy	5/8/1885	123	517 X	12
523	333290	Duplex Telegraphy	5/8/1885	124	523 X	6
524	333291	Way-Station Quadruplex Telegraphy	5/16/1885	122	519 X	5
525	465971	Means for Transmitting Signals Electrically	5/23/1885	123	524 X	5
526	422072	Telegraphy	10/23/1885	120	509 X	5
527	437422	Telegraphy	10/23/1885	121	519 X	10

528	422073	Telegraphy	11/24/1885	121	529 x	12
529	422074	Telegraphy	2/19/1886	118	507 x	4
530	435689	Telegraphy	2/19/1886	119	510 x	3
531	438306	Telephone	2/19/1886	120	514 x	4
532	350235	Railway-Telegraphy	1/13/1886	122	522 x	5
533	406567	Telephone	2/19/1886	122	522 x	3
534	474232	Speaking-Telegraph	2/18/1886	123	523 x	1
535	370132	Telegraphy	5/15/1886	116	503 x	11
536	411018	Manufacture of Incandescent Electric Lamps	7/17/1886	116	498 x	3
537	436307	Manufacture of Incandescent Electric Lamps	7/17/1886	117	505 x	7
538	448779	Telegraph	7/19/1886	118	508 x	3
539	411019	Manufacture of Incandescent Electric Lamps	7/29/1886	119	516 x	8
540	406130	Manufacture of Incandescent Electric Lamps	8/11/1886	119	515 x	4
541	351856	Incandescent Electric Lamp	10/5/1886	117	499 x	1
542	454262	Incandescent-Lamp Filament	10/27/1886	118	502 x	3
543	466400	Cut-Out for Incandescent Lamps	10/27/1886	119	509 x	7
544	484184	Manufacture of Carbon Filaments	10/27/1886	120	511 x	2
545	490954	Manufacture of Carbon Filaments for Electric Lamps	11/6/1886	119	509 x	2
546	436308	System of Electrical Distribution	12/6/1886	120	512 x	3
547	524378	System of Electrical Distribution	12/6/1886	121	513 x	1
548	365978	System of Electrical Distribution	11/29/1886	122	524 x	11
549	369439	System of Electrical Distribution	12/6/1886	123	530 x	6
550	384830	Railway Signaling	11/29/1886	124	534 x	4
551	379944	Commutator for Dynamo-Electric Machines	12/6/1886	125	538 x	4
552	411020	Manufacture of Carbon Filaments	12/6/1886	126	540 x	2
553	465615	Manufacture of Carbon Filaments	12/15/1886	125	537 x	3
554	485616	Manufacture of Carbon Filaments	12/15/1886	126	539 x	2
555	525007	Manufacture of Carbon Filaments	12/15/1886	127	541 x	2
556	369441	System of Electrical Distribution	12/16/1886	128	557 x	16
557	369442	System of Electrical Distribution	12/22/1886	129	562 x	5
558	369443	System of Electrical Distribution	12/27/1886	130	569 x	7
559	484185	Manufacture of Carbon Filaments	12/27/1886	131	573 x	4
560	534207	Manufacture of Carbon Filaments	12/27/1886	132	576 x	4
561	373584	Dynamo-Electric Machine	12/28/1886	133	563 x	7
562	468949	Converter System for Electric Railways	3/8/1887	132	582 x	3
563	380100	Pyromagnetic Motor	6/13/1887	133	593 x	11
564	476983	Pyromagnetic Generator	6/13/1887	134	610 x	17
565	476530	Incandescent Electric Lamp	6/4/1887	135	615 x	5
566	377518	Magnetic Separator	7/6/1887	133	602 x	5
567	470923	Railway-Signaling	8/19/1887	134	604 x	2
568	545405	System of Electrical Distribution	8/29/1887	135	609 x	2
569	380101	System of Electrical Distribution	9/23/1887	121	532 x	5
570	380102	System of Electrical Distribution	9/23/1887	122	536 x	7
571	470924	Electric Conductor	9/30/1887	123	539 x	4

572	563462 Method of and Apparatus for Drawing Wire	10/21/1887	124	546 X	7
573	365173 System of Electrical Distribution	12/9/1887	124	549 X	10
574	506215 Method of Making Plate Glass	11/11/1887	126	558 X	2
575	382414 Burnishing Attachment for Phonographs	11/26/1887	126	556 X	5
576	386974 Phonograph	11/26/1887	127	584 X	28
577	430570 Phonogram-Blank	11/26/1887	128	586 X	2
578	382416 Feed and Return Mechanism for Phonographs	1/5/1888	129	595 X	9
579	382415 System of Electrical Distribution	12/27/1887	130	599 X	4
580	382462 Phonogram-Blank	1/5/1888	131	602 X	3
581	484582 Duplicating Phonograms	1/30/1888	132	606 X	4
582	434586 Electric Generator	1/30/1888	133	614 X	8
583	434587 Thermo-Electric Battery	1/30/1888	134	621 X	7
584	382417 Process of Making Phonogram-Blanks	2/4/1888	135	623 X	2
585	389369 Incandescing Electric Lamp	2/6/1888	136	633 X	10
586	382418 Phonogram-Blank	3/2/1888	134	624 X	3
587	390462 Process of Making Carbon Filaments	3/2/1888	135	625 X	1
588	394105 Phonograph-Recorder	3/2/1888	136	631 X	6
589	394106 Phonograph-Reproducer	3/2/1888	137	636 X	5
590	382419 Process of Duplicating Phonograms	3/8/1888	138	638 X	2
591	425762 Cut-Out for Incandescing Electric Lamps	3/8/1888	139	643 X	5
592	396356 Magnetic Separator	3/29/1888	133	615 X	7
593	393462 Process of Making Phonogram-Blanks	5/7/1888	134	618 X	3
594	393463 Machine for Making Phonogram-Blanks	5/7/1888	135	621 X	3
595	393464 Machine for Making Phonogram-Blanks	5/7/1888	136	627 X	6
596	534208 Induction-Converter	5/21/1888	130	605 X	6
597	476991 Method of and Apparatus for Separating Ores	5/21/1888	131	610 X	5
598	400646 Phonograph Recorder and Reproducer	6/7/1888	132	614 X	4
599	488190 Phonograph-Reproducer	6/7/1888	133	618 X	4
600	488189 Phonograph	5/29/1888	134	623 X	5
601	470925 Manufacture of Filaments for Incandescent Lamps	7/2/1888	133	613 X	4
602	393465 Method of Preparing Phonograph Recording-Surfaces	7/7/1888	134	615 X	2
603	400647 Phonograph	7/7/1888	135	620 X	5
604	448780 Device for Turning Off Phonogram-Blanks	7/7/1888	136	622 X	2
605	393466 Phonograph-Recorder	7/17/1888	137	629 X	7
606	393966 Method of Recording and Reproducing Sounds	7/17/1888	138	634 X	5
607	393967 Method of Recording and Reproducing Sounds	7/17/1888	139	636 X	2
608	437423 Phonograph	7/17/1888	140	640 X	4
609	450740 Phonograph-Recorder	7/17/1888	141	643 X	4
610	485617 Incandescent-Lamp Filament	7/17/1888	142	647 X	3
611	430274 Phonogram-Blank	7/30/1888	143	650 X	3
612	448781 Turning-Off Device for Phonographs	7/30/1888	144	655 X	5
613	400648 Phonogram-Blank	7/30/1888	145	659 X	4
614	499879 Phonograph	7/30/1888	146	688 X	29
615	397705 Method of Winding Field-Magnets	9/15/1888	145	652 X	2