

# EXHIBIT A

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	Rheotomes 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	168004 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	173718 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	11/11/1878	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	5
164	264643 Magneto-Electric Machine	5/12/1879	27	82 x	2
165	219393 Dynamo-Electric Machine	7/10/1879	28	85 x	3
166	231704 Electro-Chemical Receiving-Telephone	7/25/1879	27	85 x	3
167	266022 Telephone	8/6/1879	26	83 x	1
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	4
171	230255 Method of Manufacturing Electric Lamps	2/5/1880	23	71 x	2
172	265311 Electric Lamp and Holder for the Same	2/5/1880	24	77 x	6
173	369280 System of Electrical Distribution	2/5/1880	25	85 x	8
174	248425 Apparatus for Producing High Vacuums	3/29/1880	24	86 x	6
175	228617 Brake for Electro-Magnetic Motors	3/20/1880	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	434585 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	10/4/1881	96	296 x	5
280	479184 Fac-simile Telegraph	12/6/1881	74	239 x	12
281	400317 Ore-Separator	8/25/1882	37	131 x	3
282	425763 Commutator for Dynamo-Electric Machines	11/15/1881	76	243 x	1
283	263142 Electrical Distribution System	10/4/1881	100	316 x	4
284	264647 Dynamo or Magneto Electric Machine	10/4/1881	101	325 x	9
285	404902 Electrical-Distribution System	10/4/1881	102	327 x	2
286	263133 Dynamo or Magneto Electric Machine	11/11/1881	80	263 x	5
287	257677 Telephone	10/17/1881	104	336 x	4
288	266021 Telephone	10/17/1881	105	341 x	5
289	263144 Mold for Carbonizing Incandescents	11/11/1881	83	276 x	4
290	265774 Method of Maintaining Temperature in Webersmeters	11/11/1881	84	277 x	1
291	264648 Dynamo or Magneto Electric Machine	11/11/1881	85	279 x	2
292	265776 Electric-Lighting System	11/11/1881	86	282 x	3
293	524136 Regulator for Dynamo-Electric Machines	11/11/1881	87	285 x	3
294	273715 Art of Malleableizing Iron	8/7/1882	63	221 x	3
295	281352 Webersmeter	11/11/1881	89	292 x	4
296	446667 Locomotive for Electric Railways	8/7/1882	65	227 x	2
297	288318 Regulator for Dynamo or Magneto Electric Machines	11/11/1881	91	301 x	7
298	251559 Electrical Drop-Light	11/11/1881	92	306 x	5
299	263148 Dynamo or Magneto Electric Machine	11/28/1881	93	312 x	6
300	264646 Dynamo or Magneto Electric Machine	11/28/1881	94	315 x	3
301	266793 Electric Distribution System	12/9/1881	95	321 x	6
302	358599 Incandescent Electric Lamp	11/28/1881	96	322 x	1
303	264673 Regulator for Dynamo-Electric Machines	11/28/1881	97	325 x	3
304	263138 Electric-Arc Light	11/28/1881	98	326 x	1
305	265775 Electric-Arc Light	11/28/1881	99	329 x	3
306	297580 Electric-Arc Light	11/28/1881	100	331 x	2
307	263146 Dynamo Magneto Electric Machine	11/29/1881	101	335 x	4



308	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 Incandescing 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 Incandescing 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 Incandescing Electric Lamp	8/7/1882	95	334 x	4
329	401646 Incandescing 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 Incandescing 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 Transmitting-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	1
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 Incandescing 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	8/22/1882	131	477 x	2
385	271613 Manufacture of Incandescing Electric Lamps	9/13/1882	131	478 x	4
386	287518 Method of Manufacturing Incandescing 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	9/22/1882	104	384 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 Incandescing Electric Lamp	10/12/1882	96	350 x	4

396	273486 Incandescing Electric Lamp	10/20/1882	95	348 x	4
397	274293 Electric Lamp	10/20/1882	96	349 x	1
398	275612 Manufacture of Incandescing 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 Fibre	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 Incandescing 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 Incandescing 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 Incandescing 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 Incandescing 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 Incandescing Electric Lamps	1/22/1883	121	458 x	2
428	278417 Manufacture of Incandescing Electric Lamps	1/22/1883	122	461 x	3
429	281349 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 Incandescing 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 Incandescing Electric Lights	4/20/1883	113	449 x	2
449	287516 System of Electrical Distribution	5/14/1883	112	427 x	3
450	341839 Incandescing 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 Incandescing 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	293432 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	422579 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	438307 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	438308 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	485615 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	3
561	373584 Dynamo-Electric Machine	12/28/1886	133	583 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	5
569	380101 System of Electrical Distribution	9/23/1887	121	532 x	7
570	380102 System of Electrical Distribution	9/23/1887	122	536 x	4
571	470924 Electric Conductor	9/30/1887	123	539 x	3

572	563462 Method of and Apparatus for Drawing Wire	10/21/1887	124	546 x	7
573	385173 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 Incandescent 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	3
610	485617 Incandescent-Lamp Filament	7/17/1888	142	647 x	4
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

616	435690 Method of Making Armatures for Dynamo-Electric Machines	9/15/1888	146	661 x	9
617	430275 Magnetic Separator	9/20/1888	147	666 x	5
618	474591 Process of Extracting Gold from Sulphide Ores	9/20/1888	148	669 x	3
619	397280 Phonograph Recorder and Reproducer	9/27/1888	149	680 x	11
620	397706 Phonograph	10/11/1888	149	683 x	4
621	400649 Method of Making Phonogram-Blanks	10/11/1888	150	684 x	1
622	400650 Method of Making Phonogram-Blanks	10/17/1888	151	688 x	4
623	406568 Phonograph	10/17/1888	152	693 x	5
624	437424 Phonograph	10/17/1888	153	698 x	5
625	393968 Phonograph-Recorder	11/5/1888	152	693 x	4
626	406569 Phonogram-Blank	1/19/1889	139	636 x	3
627	488191 Phonogram-Blank	1/19/1889	140	640 x	4
628	430276 Phonograph	1/15/1889	141	656 x	16
629	406570 Phonograph	2/11/1889	141	647 x	2
630	406571 Process of Treating Phonogram-Blanks	2/11/1889	142	649 x	2
631	406572 Automatic Determining Device for Phonographs	2/11/1889	143	654 x	5
632	406573 Automatic Determining Device for Phonographs	2/11/1889	144	657 x	3
633	406574 Automatic Determining Device for Phonographs	2/11/1889	145	661 x	4
634	406575 Automatic Determining Device for Phonographs	2/11/1889	146	665 x	4
635	430277 Automatic Determining Device for Phonographs	2/11/1889	147	672 x	7
636	437425 Phonograph-Recorder	2/11/1889	148	675 x	3
637	406576 Phonogram-Blank	2/16/1889	147	679 x	10
638	414759 Phonogram-Blank	3/25/1889	147	679 x	4
639	462540 Incandescent Electric Lamp	3/25/1889	148	681 x	2
640	414760 Phonograph	3/30/1889	148	683 x	5
641	430278 Phonograph	4/10/1889	144	697 x	32
642	438309 Method of Insulating Electrical Conductors	5/11/1889	143	699 x	5
643	423039 Phonograph for Dolls or other Toys	7/2/1889	142	705 x	12
644	426527 Automatic Determining Device for Phonographs	7/2/1889	143	712 x	7
645	430279 Voltaic Battery	7/2/1889	144	718 x	6
646	506216 Apparatus for Making Glass	7/2/1889	145	723 x	5
647	414761 Phonogram-Blank	8/10/1889	134	676 x	3
648	430280 Magnetic Separator	7/29/1889	135	685 x	9
649	437426 Phonograph	8/10/1889	136	694 x	9
650	465972 Phonograph	11/18/1889	129	700 x	37
651	443507 Phonograph	12/27/1889	130	705 x	5
652	513095 Phonograph	12/27/1889	131	709 x	4
653	434588 Magnetic Ore-Separator	1/20/1890	132	718 x	9
654	437427 Method of Making Phonogram-Blanks	2/17/1890	132	718 x	4
655	465250 Process of Extracting Copper Pyrites	2/17/1890	133	722 x	4
656	434589 Propelling Mechanism for Electric Vehicles	2/20/1890	134	728 x	6
657	438310 Lamp-Base	5/5/1890	123	661 x	7
658	437428 Propelling Device for Electric Cars	5/5/1890	124	670 x	9
659	437429 Phonogram-Blank	5/9/1890	125	674 x	4



660	454941 Phonograph Recorder or Reproducer	5/24/1890	126	677 x	3
661	436127 Electric Motor	5/24/1890	127	683 x	6
662	484583 Phonograph Cutting-Tool	5/27/1890	128	686 x	3
663	484584 Phonograph-Reproducer	5/27/1890	129	689 x	3
664	436970 Apparatus for Transmitting Power	6/10/1890	130	699 x	10
665	453741 Phonograph	7/30/1890	119	607 x	6
666	454942 Phonograph	7/30/1890	120	613 x	6
667	456301 Phonograph-Doll	7/30/1890	121	623 x	10
668	484585 Phonograph	7/30/1890	122	628 x	5
669	456302 Phonograph	8/12/1890	123	634 x	6
670	476984 Expansible Pulley	8/28/1890	119	602 x	2
671	493858 Transmission of Power	8/28/1890	120	608 x	6
672	457343 Magnetic Belting	9/10/1890	116	577 x	7
673	444530 Leading-In Wire for Incandescent Lamps	9/15/1890	117	582 x	5
674	534209 Incandescent Electric Lamp	9/17/1890	118	583 x	1
675	476985 Trolley for Electric Railways	11/21/1890	90	447 x	7
676	500280 Phonograph	11/21/1890	91	452 x	5
677	541923 Phonograph	11/21/1890	92	462 x	10
678	457344 Smoothing-Tool for Phonogram-Blanks	11/21/1890	93	467 x	5
679	460123 Phonogram-Blank Carrier	11/21/1890	94	474 x	7
680	500281 Phonograph	11/21/1890	95	480 x	6
681	541924 Phonograph	12/3/1890	96	486 x	6
682	500282 Phonograph	12/3/1890	97	492 x	6
683	575151 Phonograph	12/3/1890	98	495 x	3
684	605667 Phonograph	12/3/1890	99	508 x	13
685	610706 Phonograph	12/3/1890	100	524 x	16
686	622843 Phonograph	12/3/1890	101	527 x	3
687	609268 Phonograph	12/15/1890	102	543 x	16
688	493425 Electric Locomotive	1/19/1891	101	545 x	12
689	476992 Incandescent Electric Lamp	1/24/1891	102	548 x	3
690	496191 Phonograph	2/9/1891	103	554 x	6
691	470926 Dynamo-Electric Machine or Motor	2/24/1891	100	547 x	11
692	476986 Means for Propelling Electric Cars	3/2/1891	101	553 x	6
693	476987 Electric Locomotive	3/2/1891	102	555 x	2
694	465973 Armature for Dynamos or Motors	3/23/1891	103	561 x	6
695	470927 Driving Mechanism for Cars	3/26/1891	100	551 x	7
696	465970 Armature Connection for Motors or Generators	3/26/1891	101	555 x	4
697	468950 Commutator-Brush for Electric Motors and Dynamos	4/4/1891	102	561 x	6
698	475491 Electric Locomotive	6/9/1891	99	550 x	6
699	475492 Electric Locomotive	6/9/1891	100	552 x	2
700	475493 Electric Locomotive	6/9/1891	101	558 x	6
701	475494 Electric Railway	6/9/1891	102	561 x	3
702	476988 Lightning-Arrester	8/14/1891	95	524 x	4
703	476989 Conductor for Electric Railways	8/14/1891	96	530 x	6

704	509518 Electric Railway	8/14/1891	97	540 x	10
705	465251 Method of Bricking Fine Ores	8/24/1891	98	545 x	5
706	485840 Method of Bricking Fine Iron Ores	8/24/1891	99	549 x	4
707	493426 Apparatus for Exhibiting Photographs of Moving Objects	8/24/1891	100	562 x	13
708	589168 Kinetographic Camera	8/24/1891	101	568 x	6
709	470928 Alternating-Current Generator	8/25/1891	102	576 x	8
710	476990 Electric Meter	8/25/1891	103	585 x	9
711	484183 Electrical Depositing-Meter	9/2/1891	104	591 x	6
712	476993 Electric-Arc Lamp	10/1/1891	102	578 x	3
713	470929 Magnetic Separator	10/1/1891	103	583 x	5
714	471268 Ore-Conveyer and Method of Arranging Ore Thereon	10/1/1891	104	591 x	8
715	472288 Dust-Proof Bearing for Shafts	10/1/1891	105	593 x	2
716	472752 Dust-Proof Journal-Bearing	10/1/1891	106	595 x	2
717	472753 Ore-Screening Apparatus	10/1/1891	107	598 x	3
718	474592 Ore-Conveying Apparatus	10/1/1891	108	607 x	9
719	498385 Roller for Crushing Ore or Other Material	10/1/1891	109	610 x	3
720	474593 Dust-Proof Swivel Shaft-Bearing	10/8/1891	110	613 x	3
721	470930 Dynamo-Electric Machine	10/10/1891	111	616 x	3
722	476532 Ore-Screening Apparatus	10/15/1891	112	621 x	5
723	491992 Cut-Out for Incandescent Electric Lamps	11/12/1891	112	628 x	9
724	491993 Stop Device	4/11/1892	91	492 x	4
725	564423 Process of Separating Ores	7/2/1892	63	363 x	3
726	485841 Method of Magnetically Separating Ores	7/20/1892	62	340 x	2
727	485842 Method of Magnetic-Ore Separation	7/20/1892	63	342 x	2
728	513096 Method of and Apparatus for Mixing Materials	8/29/1892	63	346 x	9
729	509428 Composition Brick and Method of Making Same	3/17/1893	38	230 x	4
730	513097 Phonograph	5/24/1893	37	224 x	6
731	567187 Crushing-Roll	12/19/1893	28	154 x	2
732	602064 Conveyer	12/19/1893	29	160 x	6
733	865367 Fluorescent Electric Lamp	5/19/1896	11	81 x	6
734	604740 Governor for Motors	1/27/1897	8	73 x	7
735	607588 Phonograph	1/27/1897	9	78 x	5
736	675056 Magnetic Separator	6/12/1897	10	91 x	13
737	637327 Rolls	7/16/1897	11	100 x	9
738	672616 Method of Breaking Rock	7/16/1897	12	102 x	2
739	676618 Magnetic Separator	7/16/1897	13	104 x	2
740	605475 Drying Apparatus	6/29/1897	14	110 x	6
741	605668 Mixer	6/29/1897	15	115 x	5
742	667201 Flight Conveyer	6/29/1897	16	120 x	5
743	671314 Lubricating Journal-Bearings	6/29/1897	17	129 x	9
744	671315 Conveyer	6/29/1897	18	134 x	5
745	675057 Apparatus for Screening Pulverized Material	6/29/1897	19	139 x	5
746	713209 Process of Duplicating Phonograms	3/5/1898	19	151 x	18
747	703774 Reproducer for Phonographs	3/24/1898	20	159 x	8

748	626460 Filament for Incandescent Lamps and Process of	3/31/1898	21	168 x	9
749	648933 Drier	5/23/1898	21	171 x	9
750	661238 Machine for Forming Pulverized Material into Briquets	5/23/1898	22	191 x	20
751	674057 Grinding or Crushing Rolls	5/23/1898	23	194 x	3
752	703562 Apparatus for Bricking Pulverized Material	5/23/1898	24	196 x	2
753	704010 Apparatus for Concentrating Magnetic Iron Ores	5/23/1898	25	202 x	6
754	659389 Electric Meter	9/24/1898	19	149 x	15
755	648934 Process of Screening or Sizing Very Fine Materials	3/17/1899	20	150 x	1
756	663015 Electric Meter	3/17/1899	21	158 x	8
757	688610 Phonograph Recording Apparatus	3/17/1899	22	165 x	7
758	643764 Method of Reheating Compressed Air for Industrial Purposes	2/27/1899	23	166 x	1
759	660293 Electric Meter	9/16/1899	22	168 x	14
760	641281 Expanding Pulley	4/24/1899	24	188 x	11
761	727116 Grinding-Rolls	7/1/1899	24	183 x	4
762	652457 Phonograph	9/21/1899	25	192 x	9
763	648935 Apparatus for Duplicating Phonograph-Records	10/28/1899	26	205 x	13
764	685911 Apparatus for Reheating Compressed Air for Industrial Purpos	12/6/1899	26	204 x	8
765	657922 Apparatus for Reheating Compressed Air for Industrial Purpos	12/12/1899	27	205 x	1
766	676840 Magnetic Separating Apparatus	1/9/1900	28	207 x	2
767	660845 Apparatus for Sampling, Averaging, Mixing, and Storing Materi	1/11/1900	29	215 x	8
768	662063 Process of Sampling, Averaging, Mixing, and Storing Materials	1/11/1900	30	233 x	18
769	679500 Apparatus for Screening or Sizing Very Fine Materials	1/31/1900	30	228 x	6
770	671316 Apparatus for Screening or Rescreening Fine Materials	3/7/1900	30	229 x	2
771	671317 Method of Screening or Rescreening Fine Materials	3/31/1900	31	230 x	1
772	759356 Method of Burning Portland-Cement Clinker, &c.	4/19/1900	32	231 x	1
773	759357 Apparatus for Burning Portland-Cement Clinker &c.	4/19/1900	33	243 x	12
774	655480 Phonographic Reproducing Device	5/3/1900	34	251 x	8
775	657527 Process of Making Metallic Duplicate Phonograph-Records	5/4/1900	35	260 x	9
776	667202 Apparatus for Duplicating Phonograph-Records	5/8/1900	33	247 x	10
777	667662 Process of Duplicating Phonograph-Records	5/8/1900	34	256 x	9
778	713863 Process of Coating Phonograph-Records	6/16/1900	35	263 x	7
779	759358 Magnetic Separating Apparatus	6/21/1900	36	265 x	2
780	676841 Magnetic Separating Apparatus	7/2/1900	36	264 x	8
781	680520 Process of Making Duplicate Phonograph-Records	8/18/1900	36	260 x	4
782	672617 Apparatus for Breaking Rock	8/9/1900	37	267 x	7
783	676225 Phonographic Recording Apparatus	8/18/1900	38	273 x	6
784	703051 Electric Meter	10/15/1900	36	264 x	16
785	684204 Reversible Galvanic Battery	10/31/1900	35	248 x	6
786	871214 Reversible Galvanic Battery	10/31/1900	36	252 x	4
787	704303 Reversible Galvanic Battery	1/8/1901	34	211 x	5
788	700136 Reversible Galvanic Battery	3/5/1901	32	198 x	11
789	704304 Reversible Galvanic Battery	3/1/1901	33	217 x	19
790	700137 Reversible Galvanic Battery	3/5/1901	34	228 x	11
791	704305 Electrode for Batteries	5/17/1901	28	209 x	10

792	678722 Reversible Galvanic Battery	6/20/1901	23	199 x	26
793	684205 Reversible Galvanic Battery	6/20/1901	24	209 x	10
794	692507 Reversible Galvanic Battery	6/20/1901	25	219 x	10
795	701804 Reversible Galvanic Battery	6/20/1901	26	238 x	19
796	704306 Reversible Galvanic Battery	6/20/1901	27	256 x	18
797	705829 Reproducer for Sound-Records	11/8/1901	22	204 x	8
798	831606 Sound-Recording Apparatus	11/8/1901	23	213 x	9
799	827089 Calcining-Furnace	1/2/1902	23	226 x	20
800	734522 Process of Nickel-Plating	2/14/1902	23	220 x	4
801	727117 Reversible Galvanic Battery	10/3/1902	12	110 x	23
802	727118 Process of Manufacturing Electrolytically-Active Finely-Divided	10/21/1902	13	118 x	8
803	721682 Reversible Galvanic Battery	11/28/1902	12	108 x	15
804	721870 Funnel for Filling Storage-Battery Cans or Analogous Purpose	11/28/1902	13	111 x	3
805	723449 Electrode for Storage Batteries	11/28/1902	14	123 x	12
806	723450 Reversible Galvanic Battery	11/28/1902	15	139 x	16
807	754755 Compressing-Dies	11/28/1902	16	147 x	8
808	754858 Storage-Battery Tray	11/28/1902	17	159 x	12
809	754859 Reversible Galvanic Battery	11/28/1902	18	165 x	6
810	764183 Method of Separating Mechanically-Entrained Globules from G	11/28/1902	19	171 x	6
811	852424 Secondary Battery	11/28/1902	20	181 x	10
812	802631 Apparatus for Burning Portland-Cement Clinker	12/5/1902	21	202 x	21
813	722502 Means for Handling Cable-Drawn Cars on Inclines	1/9/1903	22	206 x	4
814	724089 Means for Operating Motors in Dust-Laden Atmospheres	1/9/1903	23	214 x	8
815	750102 Electrical Automobile	1/9/1903	24	222 x	8
816	758432 Stock-House Conveyer	1/9/1903	25	232 x	10
817	832046 Automatic Weighing and Mixing Apparatus	1/9/1903	26	235 x	3
818	873219 Feed-Regulator for Grinding-Machines	1/13/1903	27	244 x	9
819	1014818 Giant Rolls	1/13/1903	28	260 x	16
820	841677 Apparatus for Grinding and Separating Fine Materials	1/29/1903	29	266 x	6
821	790351 Process of Duplicating Phonographic Records	2/11/1903	30	271 x	5
822	772647 Photographic Film for Moving-Picture Machines	3/5/1903	29	265 x	12
823	831269 Storage-Battery Electrode-Plate	3/5/1903	30	273 x	8
824	775965 Dry Separator	5/4/1903	27	234 x	1
825	754756 Process of Separating Ores from Magnetic Gangue	5/29/1903	25	203 x	4
826	775600 Rotary Cement-Kiln	7/22/1903	26	209 x	6
827	767216 Apparatus for Vacuously Depositing Metals	8/1/1903	26	215 x	10
828	796629 Lamp-Guard	8/1/1903	27	217 x	2
829	772648 Vehicle-Wheel	8/28/1903	28	222 x	5
830	850912 Process of Making Articles by Electroplating	10/5/1903	29	229 x	7
831	857041 Can or Receptacle for Storage Batteries	10/5/1903	30	230 x	1
832	962081 Apparatus for Recording Sounds	11/13/1903	31	254 x	24
833	766815 Primary Battery	11/18/1903	32	257 x	3
834	943664 Sound-Recording Apparatus	11/18/1903	33	272 x	15
835	873220 Reversible Galvanic Battery	11/23/1903	34	277 x	5

836	898633 Filling Apparatus for Storage-Battery Jars & c.	12/10/1903	35	282 x	5
837	767554 Method of Rendering Storage-Battery Gases Non-Explosive	6/13/1904	27	222 x	3
838	861241 Portland Cement and Process of Manufacturing the Same	6/28/1904	28	231 x	9
839	800800 Phonograph-Record and Method of Making the Same	6/29/1904	29	238 x	7
840	821622 Process of Cleaning Metallic Surfaces	6/29/1904	30	241 x	3
841	879612 Alkaline Storage Battery	6/29/1904	31	246 x	5
842	880484 Process of Producing Very Thin Sheet Metal	6/29/1904	32	250 x	4
843	797845 Sheet Metal for Perforated Pockets of Storage Batteries	7/21/1904	32	245 x	1
844	827297 Alkaline Battery	7/21/1904	33	246 x	1
845	847746 Electrical Welding Apparatus	7/21/1904	34	280 x	34
846	785297 Gas-Separator for Storage Batteries	8/16/1904	32	270 x	6
847	861242 Can or Receptacle for Storage Batteries	8/16/1904	33	272 x	2
848	821032 Storage Battery	9/28/1904	34	273 x	1
849	970615 Method and Apparatus for Making Sound-Records	8/30/1904	35	288 x	15
850	817162 Process of Treating Alkaline Storage Batteries	9/29/1904	36	290 x	2
851	948542 Method of Treating Cans of Alkaline Storage Batteries	9/29/1904	37	292 x	2
852	813490 Cement-Kiln	11/2/1904	36	280 x	5
853	821624 Gas-Separator for Storage Batteries	11/2/1904	37	288 x	8
854	821625 Process of Treating Alkaline Storage Batteries	11/5/1904	38	296 x	8
855	821623 Storage-Battery-Filling Apparatus	11/2/1904	39	306 x	10
856	879859 Apparatus for Producing Very Thin Sheet Metal	3/1/1905	38	301 x	2
857	804799 Apparatus for Perforating Sheet Metal	3/20/1905	39	305 x	4
858	870024 Apparatus for Producing Perforated Strips	3/24/1905	39	323 x	24
859	821626 Process of Making Metallic Films or Flakes	3/30/1905	40	331 x	8
860	821627 Process of Making Metallic Flakes or Scales	3/30/1905	41	334 x	3
861	827717 Process of Making Composite Metals	3/30/1905	42	339 x	5
862	839371 Method of Coating Active Material with Flake-Like Conducting	3/30/1905	43	347 x	8
863	854200 Process of Making Storage-Battery Electrodes	3/30/1905	44	350 x	3
864	857929 Storage-Battery Electrode	3/30/1905	45	356 x	6
865	882144 Storage-Battery Electrode	3/30/1905	46	382 x	26
866	860195 Storage-Battery Electrode	4/28/1905	47	387 x	5
867	862145 Process of Making Seamless Tubular Pockets or Receptacles	4/28/1905	48	390 x	3
868	976791 Storage-Battery Electrode	4/28/1905	49	401 x	11
869	839372 Phonograph Record or Blank	4/29/1905	50	404 x	3
870	813491 Pocket-Filling Machine	5/16/1905	51	432 x	28
871	943663 Horn for Talking-Machines	5/24/1905	51	429 x	2
872	950226 Phonographic Recording Apparatus	5/24/1905	52	438 x	9
873	963362 Apparatus for Recording or Reproducing Sounds	5/24/1905	53	444 x	6
874	821628 Process for Making Conducting-Films	5/26/1905	54	455 x	11
875	1012250 Recording-Telephone	9/15/1905	53	458 x	6
876	1152613 Method of Burning Portland-Cement Clinker	9/29/1905	54	464 x	6
877	950227 Apparatus for Making Metallic Films or Flakes	10/12/1905	54	474 x	17
878	936433 Tube-Filling and Tamping Machine	10/14/1905	55	491 x	17
879	956317 Tube-Sealing Machine	10/14/1905	56	497 x	6

880	967178 Tube-Forming Machine	10/17/1905	57	506 x	9
881	880978 Electrode Element for Storage Batteries	11/2/1905	57	494 x	9
882	880979 Method of Making Storage-Battery Electrodes	11/2/1905	58	502 x	8
883	850913 Secondary Battery	12/7/1905	58	501 x	3
884	914342 Storage Battery	12/7/1905	59	508 x	7
885	858862 Primary and Secondary Battery	1/10/1906	60	518 x	10
886	850881 Composite Metal	1/20/1906	61	520 x	2
887	1065597 Cement-Burning Kiln	1/27/1906	62	523 x	3
888	964096 Process of Electroplating	3/19/1906	61	493 x	3
889	1059661 Manufacture of Portland Cement	5/8/1906	61	498 x	7
890	914372 Process for Making Thin Metallic Flakes	7/14/1906	54	449 x	3
891	962822 Crushing-Roll	9/7/1906	52	425 x	2
892	923633 Shaft-Coupling	9/13/1906	53	432 x	7
893	962823 Crushing-Rolls	9/18/1906	53	426 x	2
894	930946 Apparatus for Burning Portland Cement	10/24/1906	52	419 x	5
895	898404 Process of Making Articles by Electroplating	11/3/1906	53	421 x	2
896	930948 Apparatus for Burning Portland Cement	11/26/1906	54	437 x	16
897	930949 Apparatus for Burning Portland Cement	11/26/1906	55	443 x	6
898	890625 Apparatus for Grinding Coal	11/27/1906	56	454 x	11
899	948558 Storage-Battery Electrode	12/3/1906	57	460 x	6
900	964221 Sound-Record	1/3/1907	56	454 x	5
901	1024839 Phonographic Recording-Stylus	1/3/1907	57	459 x	5
902	936267 Feed Mechanism for Phonographs and Other Machines	1/17/1907	58	467 x	8
903	865688 Process of Making Metallic Films or Flakes	1/19/1907	59	484 x	17
904	936525 Process of Making Metallic Films or Flakes	1/18/1907	60	491 x	7
905	865687 Process of Making Nickel Films	1/19/1907	61	496 x	5
906	939817 Cement-Kiln	3/8/1907	61	494 x	4
907	855562 Diaphragm for Talking-Machines	3/6/1907	62	502 x	8
908	975339 Process of Duplicating Talking-Machine Records	4/4/1907	62	472 x	4
909	939992 Phonographic Recording and Reproducing Machine	3/16/1907	64	512 x	6
910	1078264 Phonographic Recording or Reproducing Apparatus	3/16/1907	65	525 x	13
911	941630 Process and Apparatus for Artificially Aging or Seasoning Port	4/2/1907	65	498 x	7
912	876445 Electrolyte for Alkaline Storage Batteries	5/10/1907	62	479 x	3
913	914343 Process of Making Storage-Battery Electrodes	5/17/1907	63	501 x	22
914	1163329 Filament for Incandescent Electric Lamps	5/31/1907	63	509 x	11
915	861819 Discharging Apparatus for Belt Conveyers	6/14/1907	63	506 x	5
916	991433 Bucket Conveyer	6/14/1907	64	508 x	2
917	954789 Sprocket-Chain Drive	6/26/1907	63	504 x	3
918	909877 Telegraphy	6/20/1907	65	519 x	9
919	1041756 Conveyer	11/22/1907	54	430 x	7
920	1106444 Fuel-Feeding Apparatus	11/29/1907	55	436 x	6
921	896811 Metallic Film for Use with Storage-Battery Electrodes and Proc	2/6/1908	53	425 x	6
922	909167 Waterproofing-Paint for Portland-Cement Buildings	2/6/1908	54	431 x	6
923	940635 Electrode Element for Storage Batteries	2/6/1908	55	433 x	2

924	1182897 Apparatus for Recording and Reproducing Motion and Sounds	2/8/1908	56	443 x	10
925	896812 Storage Battery	3/18/1908	51	396 x	7
926	996625 Phonograph-Reproducer	3/18/1908	52	399 x	3
927	999762 Storage Battery and Process of Treating the Same	3/20/1908	53	410 x	11
928	944481 Process and Apparatus for Artificially Aging or Seasoning Port	3/23/1908	54	423 x	13
929	946540 Storage Battery	3/23/1908	55	430 x	7
930	975340 Phonograph-Reproducer	3/23/1908	56	434 x	4
931	1013869 Bearing	3/23/1908	57	436 x	2
932	947806 Automobile	4/17/1908	58	442 x	6
933	909168 Waterproofing Fibers and Fabrics	6/1/1908	59	445 x	3
934	909169 Waterproofing-Paint for Portland-Cement Structures	6/1/1908	60	453 x	8
935	993294 Device for Feeding Pulverulent Material	6/11/1908	61	459 x	6
936	1019440 Phonograph-Reproducer	6/11/1908	62	462 x	3
937	1046159 Phonograph-Reproducer	6/11/1908	63	470 x	8
938	1219272 Process of Constructing Concrete Buildings	8/13/1908	63	466 x	7
939	970616 Flying-Machine	11/16/1908	60	451 x	5
940	996070 Rotary Kiln	10/14/1908	61	453 x	2
941	1078265 Process of Making Phonograph-Records	10/14/1908	62	455 x	2
942	964097 Device for Viewing Moving Pictures	11/19/1908	63	457 x	2
943	1148832 Means for Utilizing the Waste Heat in Kilns	11/25/1908	64	467 x	10
944	1020485 Phonograph-Reproducer	12/29/1908	65	471 x	4
945	1123261 Mold for Concrete Construction	12/29/1908	66	475 x	4
946	1002504 Crushing and Separating Fine Materials	2/6/1909	63	459 x	10
947	930947 Gas-Purifier	3/27/1909	61	435 x	8
948	1158659 Phonograph-Record	3/3/1909	62	443 x	8
949	1158660 Phonograph-Record	3/3/1909	63	447 x	4
950	1050355 Phonograph	8/12/1909	60	412 x	1
951	40527 Design for a Phonograph-Cabinet	9/13/1909	60	407 x	1
952	1052656 Phonograph-Reproducer	10/28/1909	58	379 x	4
953	1099346 Phonograph-Reproducer	10/28/1909	59	388 x	9
954	1099347 Phonograph-Reproducer	10/28/1909	60	391 x	3
955	1099348 Phonograph-Reproducer	10/29/1909	61	395 x	4
956	1036470 Phonographic Apparatus	11/3/1909	62	396 x	1
957	1056517 Means for Reproducing Sound	12/8/1909	59	385 x	8
958	1152614 Phonographic Recording Apparatus	1/27/1910	56	354 x	6
959	1110428 Process of Forming Phonograph-Styli	3/23/1910	51	316 x	3
960	1019441 Sound-Recording Apparatus	4/20/1910	51	326 x	13
961	1041983 Phonograph-Stylus	5/12/1910	51	325 x	5
962	1207382 Primary Battery	5/24/1910	52	334 x	9
963	976792 Storage Battery	5/24/1910	53	338 x	4
964	1012828 Storage Battery	5/24/1910	54	344 x	6
965	1046414 Phonograph Determining Device	6/2/1910	55	352 x	8
966	1036471 Storage Battery	6/6/1910	56	355 x	3
967	1178062 Moving-Picture Apparatus	6/6/1910	57	365 x	10

968	1126428 Sound-Recording Apparatus	6/9/1910	58	379 x	14
969	1115463 Electrode Element	6/17/1910	59	389 x	10
970	1050436 Apparatus for Producing Rubber Strips	7/1/1910	57	371 x	10
971	1083353 Production of Perforated Strips	7/1/1910	58	376 x	5
972	1167637 Method of Utilizing Waste Heat in Kilns	7/7/1910	58	373 x	3
973	1099241 Rectifier	10/7/1910	53	346 x	12
974	1142507 Sound-Recording Apparatus	10/20/1910	54	350 x	4
975	1119141 Sound-Reproducer	11/14/1910	53	353 x	11
976	1184332 Phonograph or Talking-Machine	12/7/1910	52	379 x	41
977	1110382 Sound-Modifier	12/9/1910	53	387 x	8
978	1002505 Composition for Sound-Records and Other Objects	1/27/1911	54	394 x	7
979	1034002 Storage Battery	1/27/1911	55	399 x	5
980	1034003 Battery-Cell Container	1/27/1911	56	412 x	13
981	1083354 Insulating Compound	1/27/1911	57	428 x	16
982	1184333 Phonograph or Talking-Machine	2/17/1911	58	469 x	41
983	1204420 Sound-Box	3/24/1911	59	476 x	7
984	1078266 Sound-Box	4/5/1911	60	493 x	17
985	1119142 Sound-Record	4/5/1911	61	497 x	4
986	1083355 Art of Forming Chemical Compounds	4/8/1911	62	504 x	7
987	1083356 Storage Battery	4/8/1911	63	511 x	7
988	1167484 Production of Nickel Hydroxid	4/8/1911	64	522 x	11
989	1050629 Art of Separating Copper from Other Metals	5/9/1911	64	549 x	29
990	1050630 Art of Separating Copper from Other Metals	5/18/1911	65	571 x	22
991	1055621 Reproducer	5/18/1911	66	590 x	19
992	1118114 Method of Making Molds for Sound-Records	6/10/1911	66	592 x	8
993	1016874 Means and Method for Preventing Depletion of Electrolyte	6/21/1911	67	597 x	5
994	1130156 Machine for Shaving Sound Records or Blanks	6/22/1911	68	610 x	13
995	1016875 Electroplating Apparatus	7/28/1911	67	615 x	10
996	1055524 Dumping Mechanism	12/1/1911	65	591 x	4
997	1221981 Alternating-Current Rectifier	12/30/1911	64	584 x	5
998	1146413 Method of Producing Tablets for Sound-Records	12/20/1911	66	602 x	12
999	1275232 Production of Finely-Divided Metals	12/22/1911	67	613 x	11
1000	1073107 Storage Battery	1/11/1912	66	607 x	2
1001	1099349 Method of Making Sound-Record Molds	1/6/1912	68	624 x	15
1002	1143818 Charging Storage Batteries	1/17/1912	67	612 x	6
1003	1111999 Phonograph-Record	1/20/1912	68	626 x	14
1004	1190133 Means for Recording Sounds	2/16/1912	67	625 x	14
1005	1167485 Storage Battery	4/30/1912	64	616 x	16
1006	1192400 Electrical System for Automobiles	5/23/1912	65	627 x	11
1007	1167638 Means for Concentrating Ores	5/23/1912	66	632 x	5
1008	1178063 Receptacle-Filling Machine	6/7/1912	67	662 x	30
1009	1152615 Alternating-Current-Rectifying System	6/13/1912	68	674 x	12
1010	1152616 Contact for Electrical Apparatus	6/13/1912	69	678 x	4
1011	1266778 Process of Making Screens for Projection	6/24/1912	70	687 x	9



1012	42934 Design for a Cabinet	7/13/1912	71	688 x	1
1013	1255517 Starting and Current-Supplying System for Automobiles	7/31/1912	70	681 x	11
1014	1184334 Phonograph or Talking-Machine	8/12/1912	71	709 x	28
1015	1158661 Phonograph or Talking-Machine	9/16/1912	69	710 x	6
1016	1234450 Celluloid Record-Blank	9/16/1912	70	715 x	5
1017	1197723 Coating Apparatus	10/26/1912	69	717 x	14
1018	1201448 Coating Apparatus	10/26/1912	70	729 x	12
1019	1234451 Mold or Transfer Plate	10/26/1912	71	731 x	2
1020	1207383 Sound-Record Tablet	1/30/1913	66	671 x	18
1021	1286259 Means for Recording Sounds	3/6/1913	66	674 x	7
1022	1138360 Method of Presenting the Illusion of Scenes in Colors	6/16/1913	63	642 x	6
1023	1290138 Friction Speed-Governor	12/2/1913	59	617 x	12
1024	1201449 Sound-Modifying Device	4/25/1914	56	597 x	15
1025	1299693 Storage Battery	8/10/1914	52	582 x	28
1026	1146414 Method of Making Phonograph-Records	8/27/1914	53	592 x	10
1027	1198426 Production of Electrode Elements	8/31/1914	54	603 x	11
1028	1326330 Mold for Sound-Records	10/13/1914	51	578 x	6
1029	1266779 Electric Safety-Lantern	10/16/1914	52	584 x	6
1030	1342326 Composition of Matter for Sound-Records or the Like and Proc	8/26/1915	40	488 x	16
1031	1364358 Battery-Tray	12/13/1915	33	458 x	27
1032	1297294 Projectile	1/24/1916	30	431 x	8
1033	1323218 Method and Means for Improving the Rendition of Musical Con	1/17/1916	31	444 x	13
1034	1300709 Projectile	2/12/1916	32	456 x	12
1035	1300708 Projectile	2/12/1916	33	465 x	9
1036	1311955 Tube Filling and Tamping Machine	3/6/1916	34	474 x	9
1037	1283706 Para-phenylene-di-amin Substance and Process Relating Ther	10/2/1916	25	271 x	7
1038	1326854 Apparatus for the Production of Concrete Structures	1/18/1917	21	219 x	9
1039	1266780 Storage Battery	1/20/1917	22	226 x	7
1040	1248468 Celluloid Record-Blank	6/7/1917	21	219 x	5
1041	1292277 Swaging-Machine	6/29/1917	22	237 x	18
1042	1425183 Transmitter	10/26/1918	15	188 x	7
1043	1377192 Production of Molded Articles	1/18/1919	13	179 x	17
1044	1377193 Production of Molded Articles	1/23/1919	13	180 x	19
1045	1411425 Production of Molded Articles	4/30/1919	10	132 x	9
1046	1371414 Nickel-Plating	6/17/1919	11	142 x	10
1047	1359972 Electroplating	6/21/1919	12	157 x	15
1048	1369271 Cleaning of Metallic Surfaces	7/3/1919	13	164 x	7
1049	1417463 Mold	7/3/1919	14	176 x	12
1050	1369272 Process of Molding	8/5/1919	14	171 x	4
1051	1402751 Storage-Battery Electrode and the Production of Same	9/5/1919	15	181 x	10
1052	1379088 Storage Battery	9/16/1919	16	193 x	12
1053	1364359 Protecting-Varnish for Electrodes of Electrolytic Cells	9/29/1919	17	195 x	2
1054	1379089 Production of Thin Metallic Sheets or Foils	10/4/1919	18	221 x	26
1055	1386095 Electrode Element for Galvanic Batteries and Method of Produ	11/6/1919	19	253 x	32

1056	1410391 Protective Coating for Steel and Iron	12/2/1919	19	242 x	2
1057	1425458 Stylus Mounting	12/11/1919	20	246 x	4
1058	1456687 Stylus Mounting	12/11/1919	21	257 x	11
1059	1377194 Storage Battery	6/16/1920	19	254 x	28
1060	1417464 Production of Thin Metal Sheets or Foils	7/16/1920	20	265 x	11
1061	1425184 Production of Thin Metal Sheets or Foils	8/26/1920	21	297 x	32
1062	1489240 Voltaic Battery and the Production of Electrode Elements Thereof	1/5/1921	19	267 x	14
1063	1488480 Regeneration of Alkaline Storage-Battery Elements	9/28/1921	11	126 x	14
1064	1492023 Sound Record	2/11/1922	11	120 x	4
1065	1488481 Regeneration of Storage-Battery Elements	4/26/1922	10	122 x	13
1066	1678246 Production of Alkali-Metal Compounds from Silicates Contained in	6/28/1922	9	104 x	5
1067	1495580 Method of Producing Chlorinated Rubber	2/8/1923	7	72 x	11
1068	1651196 Storage Battery	5/14/1923	8	84 x	12
1069	1546573 Production of Disk Phonograph Records	5/25/1923	9	89 x	5
1070	1559562 Storage Battery	5/25/1923	10	97 x	8
1071	1600722 Mounting for Diamonds and the Like	7/6/1923	10	104 x	18
1072	1583783 Centrifugal Speed Governor	11/14/1923	11	114 x	10
1073	1599121 Production of Depolarizing Agent for Voltaic Battery	2/26/1924	12	120 x	6
1074	1526326 Storage Battery	3/12/1924	13	128 x	8
1075	66227 Design for a Grille for Phonograph Cabinets	10/17/1924	9	73 x	1
1076	66228 Design for a Grille for Phonograph Cabinets	10/17/1924	10	74 x	1
1077	69068 Design for a Phonograph Cabinet	10/17/1924	11	75 x	1
1078	69688 Design for a Phonograph Cabinet	10/17/1924	12	76 x	1
1079	69689 Design for a Phonograph Cabinet	10/17/1924	13	77 x	1
1080	1644670 Cabinet	1/31/1925	12	77 x	2
1081	1702935 Receiving Apparatus for Radio and Telephone Circuits	2/13/1925	13	91 x	14
1082	1744533 Mounting for Diaphragms of Sound Boxes	4/30/1925	13	85 x	2
1083	1649579 Storage-Battery Electrode Element and Production Thereof	7/24/1925	13	94 x	14
1084	1744534 Production of Molded Articles	1/29/1926	12	92 x	7
1085	1711265 Phonograph Reproducer	2/10/1926	13	119 x	27
1086	1708692 Phonograph	2/13/1926	14	130 x	11
1087	1836066 Electroplating Apparatus	8/14/1926	12	123 x	5
1088	1690159 Method of Producing Sound-Record Tablets	10/5/1926	11	105 x	6
1089	1723609 Apparatus for Producing Storage-Battery Electrode Elements	10/12/1927	11	107 x	4
1090	1740079 Extraction of Rubber from Plants	11/30/1927	10	91 x	10
1091	1862740 Production of Molded Articles	10/6/1928	10	89 x	3
1092	1829856 Dynamo-Electric Machine	12/15/1928	10	88 x	5
1093	1908830 Holder for Article to be Electroplated	1/9/1931	4	17	4