

	PAGE
Calculation of wires .....	40
Canopy insulators .....	220
Car wiring and equipment .....	275
Car houses .....	283
Care and attendance .....	73
Carrying capacity table .....	413
Ceiling fans .....	96-223
Ceiling rosettes, construction of .....	350
Ceiling rosettes, use of .....	232
Central stations .....	47
Choke coils .....	72
Circuit breaker, construction of .....	333
Circuit breaker, installation of .....	58-81-89-98-136-151-166
Circuit breaker, how high may be set .....	166
Circuit, open .....	9
Circuit, closed .....	9
Circuit, divided .....	16
Circular mil .....	40
Cleats .....	121-322
Compensator coils .....	236
Compensator sets, fusing of .....	58
Concealed wiring .....	129-172-176-180-191
Concentric wire .....	314
Condensers .....	371
Conductors .....	10
Conductors. (See Wires.)	
Conduits, installation of .....	201
Conduits, metal, construction of .....	315
Conduits, wire for .....	313
Conduit work .....	188-201
Conduit work, outside .....	101
Constant current system .....	32-141
Constant potential system .....	33-151
Converters. (See Transformers.)	
Convertible wiring systems .....	155-161
Cooper-Hewitt lamp .....	235
Coulomb .....	13
Cranes, electric .....	287
Crossing of constant potential pole lines over 5,000 volts ..	107
Current .....	7-13
Current for motors .....	80-163-165-429
Cutout cabinets. (See Cabinets.)	

	PAGE
Cutouts, construction of .....	336
Cutouts, installation of .....	136-151-163
Cutouts, must protect all wires of the circuit .....	136
Damp places .....	134-139-182-228
Decorative lighting system .....	237
Distance between conductors, inside .....	144-180-191-292
Distance between conductors, outside .....	100
Divided circuits .....	16
Dressing rooms, theaters .....	253
Drip loops at service entrance .....	103-153
Dynamo rooms .....	47
Economy coils .....	236
Electric bells .....	19
Electric gas lighting .....	385
Electric heaters .....	173
Electrolytic corrosion of underground metal work .....	106
Electrolysis .....	106-130
Electro-magnetic devices for switches .....	148
Electromotive force .....	11
Electro plating .....	10
Elevator cable .....	311
Elevator shafts, wires in .....	135
Equalizers .....	67-366
Exciters, fusing of .....	51
Extra-high potential systems .....	295
Fan motors hung from ceiling .....	96-223
Feeders, railway .....	283
Festoons .....	261
Fished wires .....	175-193
Fittings and materials .....	206
Fixtures .....	219-365
Fixtures, canopies .....	219
Fixture wire .....	312
Fixture wiring .....	197
Flexible cord, construction of .....	307
Flexible cord, construction of, heater .....	310
Flexible cord, construction of, pendants .....	308
Flexible cord, construction of, portables .....	309
<i>Flexible cord, use of</i> .....	238

	PAGE
Flexible tubing, construction of .....	332
Flexible tubing, where permitted.....	196
Footlights, theater .....	243
Foreign currents, protection against.....	380
Formula for soldering fluid .....	124
Fuses, construction of .....	337
Fuses, installation of .....	151-165-404
Fuses, protection for generators .....	51
Gas lighting, electric .....	385
Generators .....	47
Ground clamps .....	211
Ground connections .....	119
Ground connections for transformers .....	115
Ground detectors .....	61-74
Ground plates, construction of.....	119
Ground return wires, trolley system .....	105
Ground wire for lightning arrestors .....	74-380
Grounded trolley circuits .....	105
Grounding interior conduits .....	208
Grounding low potential circuits .....	118
Grounding of dynamo and motor frames .....	47-78
Grounding sheaths of cable .....	104
Grounds, testing for .....	74
Guards, irons or wires, use of .....	106-108
Guard strips, inside work, where required .....	145-177
Hanger boards, construction of .....	363
Hanger boards, when not used .....	140
Heaters, electric .....	173
High, constant potential system .....	292
Incandescent lamps as resistance .....	69-234
Incandescent lamps in series circuits .....	148-294
Incandescent lamps where inflammable gases exist.....	227
Induced currents .....	26
Induction coil .....	25
Inside work .....	121
Insulated platforms at high potential machines .....	47-78
Insulating joints, construction of.....	365
Insulating joints, where required .....	219
Insulation of fixture canopies, when required .....	219

	PAGE
<b>I</b> nsulation of trolley wires .....	105
<b>I</b> nsulation resistance .....	74-385
<b>I</b> nsulators .....	10-122
<b>I</b> nsulators, spacing, inside work .....	144-180-191-292
<b>I</b> nterior conduits. (See Conduits.)	
<b>J</b> oints in conductors .....	102-124-184
<b>J</b> oints, insulating. (See Insulating joints.)	
<b>J</b> unction boxes, installation of.....	199-203
<b>K</b> nob and tube work .....	191
<b>K</b> nobs, construction of .....	324
<b>K</b> nobs, use of .....	121
<b>L</b> amps, arc. (See Arc lamps.)	
<b>L</b> amps, incandescent, rating of .....	429
<b>L</b> ightning arresters, construction of .....	372
<b>L</b> ightning arresters, installation of .....	71
<b>L</b> ights from trolley circuits .....	287
<b>L</b> oop system .....	193
<b>L</b> oss in voltage .....	36
<b>L</b> ow potential systems .....	175
<b>L</b> ugs for terminal connections, when required.....	124-328-338-340-367
<b>M</b> agnets .....	9
<b>M</b> arine work .....	387
<b>M</b> echanical injury, protection against .....	145-177
<b>M</b> ercury vapor lamps .....	234
<b>M</b> eter connections .....	409
<b>M</b> etering panels .....	349
<b>M</b> il, definition of .....	40
<b>M</b> otors .....	78
<b>M</b> otors, enclosure for.....	94
<b>M</b> oulding, construction of .....	319
<b>M</b> oulding work .....	185-217
<b>M</b> oving picture machines .....	238-263
<b>M</b> ultiple-series systems .....	94
<b>N</b> eutral wire .....	33-152-402
<b>O</b> hm .....	17

	PAGE
Ohm's law .....	13
Oily waste .....	74
Open wiring .....	179
Outlet and switch boxes, construction of .....	318
Outlet boxes or plates, conduit, when required.....	198-206
Outline wiring .....	273
Outside work .....	100
Panel boards, construction of .....	348
Pockets, stage .....	280
Pole lines .....	101-104
Pole lines, constant potential over 5,000 volts .....	107
Pole lines, high pressure, near buildings.....	112
Portable conductors .....	309
Portable lamps, installation of.....	309
Power .....	14
Power from trolley circuits .....	287
Power and transformer stations.....	47
Protection for gas outlet pipes.....	219
Protective devices on signal circuits, construction of....	382
Protective devices on signal circuits, installation of.....	380
Railway power plants .....	98
Railway wires. (See Trolley wires.)	
Reactive coils .....	371
Receptacles. (See Sockets.)	
Reinforcing wires .....	159-421
Resistance .....	12-17-41
Resistance boxes. (See Rheostats.)	
Resistance for arc lamps, low potential .....	234
Resuscitation .....	396
Rheostats, construction of .....	366
Rheostats, installation of .....	67-96-256-264
Roof Wiring .....	101
Rosettes, construction of .....	356
Rosettes, use of .....	232
Running boards, construction of .....	177
Sag in outside wires .....	101
Series arc system .....	32-141
Series incandescent lamps .....	148-204
Series-multiple system .....	35-94

	PAGE
<b>Service blocks and wires</b> .....	100
<b>Service switches</b> .....	141-152-167
<b>Service wires, underground</b> .....	136
<b>Signalling system</b> .....	380
<b>Signs, electric</b> .....	372
<b>Sockets, construction of</b> .....	358
<b>Sockets, installation of</b> .....	227
<b>Soldering fluid, formula</b> .....	124
<b>Soldering stranded wires</b> .....	124
<b>Spark arresters, construction of</b> .....	364
<b>Spark arresters, when required</b> .....	146-234
<b>Speed controller</b> .....	88
<b>Square mil</b> .....	40
<b>Stage wiring</b> .....	241
<b>Starting boxes</b> .....	67-84
<b>Static electricity, overcoming</b> .....	50
<b>Station and dynamo rooms</b> .....	47
<b>Storage battery rooms</b> .....	98
<b>Strip lights</b> .....	258
<b>Stage cable, construction of</b> .....	310
<b>Switchboards</b> .....	63
<b>Switchboards, theater</b> .....	241
<b>Switch boxes, conduit, construction of</b> .....	318
<b>Switches, construction of, knife</b> .....	326
<b>Switches, construction of, snap</b> .....	330
<b>Switches, electro-magnetic</b> .....	148
<b>Switches, flush, installation of</b> .....	171
<b>Switches, installation of</b> .....	136-141-167
<b>Switches, when may be single-pole</b> .....	81-160-173
<b>Switches, time</b> .....	140
<b>Systems, alternating current</b> .....	35
<b>Systems, constant current</b> .....	32-141
<b>Systems, constant potential, general rules</b> .....	151
<b>Systems, extra-high constant potential</b> .....	295
<b>Systems, high constant potential</b> .....	292
<b>Systems, low constant potential</b> .....	175
<b>Systems, multiple-series</b> .....	94
<b>Systems, of wiring</b> .....	32-155
<b>Systems, series-multiple</b> .....	94
<b>Systems, signalling</b> .....	380
<b>Tables</b> .....	413 to 430