

CATALOGUE AND PRICE LIST

OF --

Edison Incandescent Electric Lamps



EDISON LAMP CO.

Harrison, New Jersey, U. S. A.

NEW YORK :

C. G. BURGOYNE'S PRINTING BUSINESS.

1890.

SPECIAL NOTICE.

....◆....

Terms cash. Subject to draft in
thirty days after shipment of goods.

.....

Goods shipped at purchaser's
risk.

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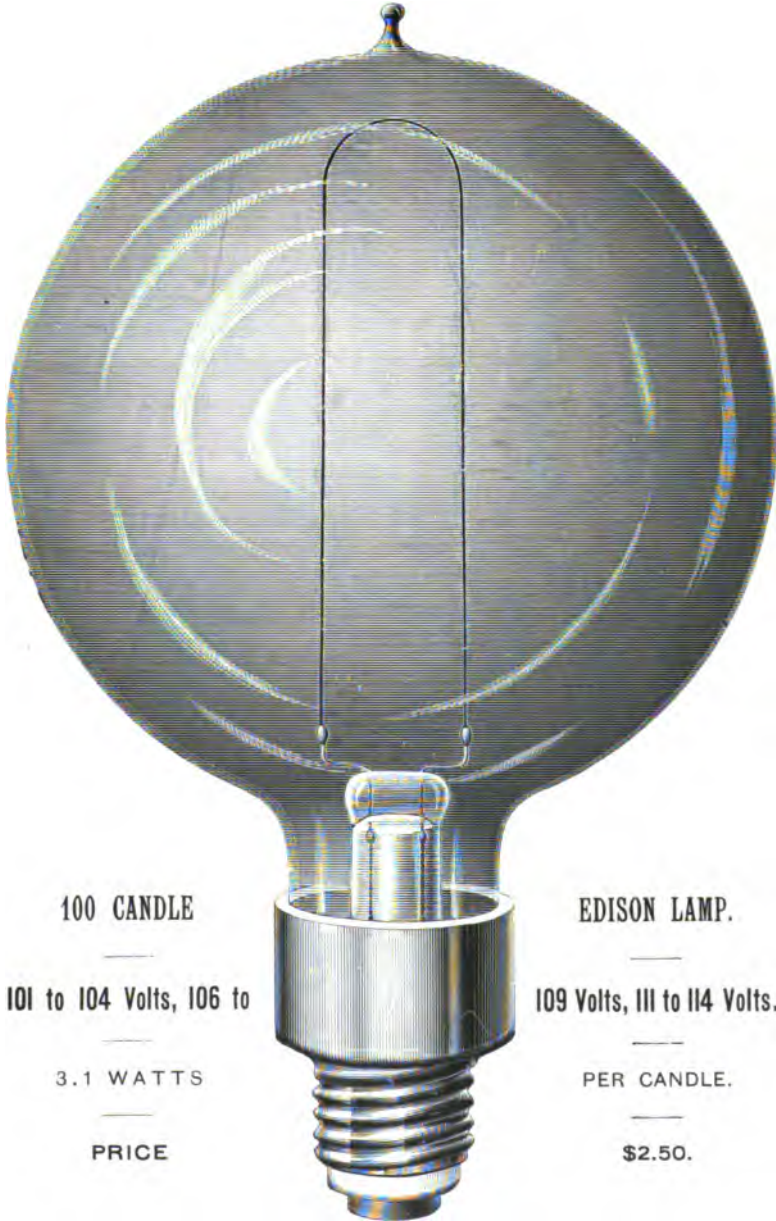
1921

TABLE SHOWING LIVES OF LAMPS AT DIFFERENT E. M. F.

VOLT AT WHICH LAMP GIVES 16 CANDLES.

	90	91	92	98	94	95	96	97	98	99	100	101	102	108	104	105	106	107	108	109	110	
90	1000	1318	1732	2269	2965	3863	5020	6504	8406	10834	13929	17864	22853	29165	37134	47170	59784	75600	95396	120000	150920	
91	758	1000	1314	1722	2249	2931	3808	4934	6377	8219	10560	13552	17337	22125	28170							
92	577	760	1000	1310	1712	2230	2893	3781	4852	6254	8040	10312	13192	16836	21435							
98	440	580	763	1000	1306	1702	2211	2865	3703	4773	6136	7869	10067	12848	16359							
94	337	444	584	765	1000	1303	1692	2193	2834	3653	4696	6023	7705	9834	12521							
95	258	341	448	587	767	1000	1299	1683	2175	2804	3605	4623	5914	7548	9610							
96	199	262	345	452	590	769	1000	1295	1674	2158	2774	3558	4552	5809	7397							
97	153	202	266	348	455	593	771	1000	1292	1665	2141	2746	3513	4483	5708							
98	119	156	206	270	352	459	597	773	1000	1289	1657	2126	2718	3472	4417							
99	92	121	159	209	273	356	463	600	775	1000	1285	1648	2109	2693	3427	4355						
100	72	94	124	162	212	277	360	467	603	777	1000	1282	1640	2095	2665	3387	4293					
101	55	73	96	127	166	216	281	363	470	626	779	1000	1279	1632	2078	2640	3347	4232				
102	43	57	75	99	129	169	219	284	367	474	609	781	1000	1276	1624	2064	2616	3308	4176			
108	34	45	59	77	101	132	172	223	288	371	477	612	783	1000	1273	1618	2050	2592	3271	4120		
104	26.9	35	46	61	79	103	135	175	226	291	375	480	615	785	1000	1270	1010	2036	2578	3235	4064	
105	21.2	27.9	36	48	62	81	106	138	178	230	295	378	484	618	787	1000	1267	1602	2022	2546	3199	
106	16.7	22	28.9	37.9	49	64	83	109	140	181	233	298	382	488	621	789	1000	1264	1596	2009	2524	
107	13.2	17.4	22.9	30	39.2	50.5	66	85	111	143	184	236	302	386	491	624	792	1000	1262	1589	1996	
108	10.4	13.8	18.1	23.7	31	40.4	52	68	88	113	146	187	239	306	389	494	627	794	1000	1260	1582	
109	8.3	10.9	14.7	18.8	24.6	32.1	41.7	53.5	69.9	90	115	149	190	242	309	393	497	629	796	1000	1258	
110	6.6	8.7	11.4	15	19.6	25.5	33.2	42.4	55	72	92	117	151	193	246	313	396	500	632	798	1000	

EDISON INCANDESCENT ELECTRIC LAMPS



100 CANDLE

101 to 104 Volts, 106 to

3.1 WATTS

PRICE

EDISON LAMP.

109 Volts, 111 to 114 Volts.

PER CANDLE.

\$2.50.



**50 CANDLE POWER
EDISON LAMP.**

**3.1 Watts Per Candle.
PRICE \$1.50 EACH**

101 to 104 Volts.
106 to 109 Volts.
111 to 114 Volts.

**32 CANDLE POWER
EDISON LAMP.**

**3.1 WATTS
PER CANDLE.
PRICE \$1.00 EACH**

**4 WATTS
PER CANDLE.
PRICE \$1.50 EACH**



24 Candle Edison Lamp.

20 Candle Edison Lamp.

16 Candle Edison Lamp.

10 Candle Edison Lamp.

101 TO 104 VOLTS, 106 TO 109 VOLTS. 111 TO 114 VOLTS.

	3.1 WATTS PER CANDLE.	
16 Candle Power,	. . . . .	75 cents each.
20 " "	. . . . .	75 " "
24 " "	. . . . .	80 " "
	3.3 WATTS PER CANDLE.	
10 Candle Power,	. . . . .	80 cents each.
	3.6 WATTS PER CANDLE.	
16 Candle Power,	. . . . .	75 cents each.
20 " "	. . . . .	80 " "
	4 WATTS PER CANDLE.	
10 Candle Power,	. . . . .	75 cents each.
16 " "	. . . . .	80 " "

15, 20 25 30 AND 50 CANDLE

EDISON MUNICIPAL LAMPS.



MUNICIPAL

SYSTEM.

TABLE OF 3.1

WATT LAMPS.

2.70 TO 2.95 AMPERES. 3.05 TO 3.25 AMPERES.

PRICES.

15	Candle	Power	Municipal	Lamp,	.	.	.	.	.	.	\$1.00
20	::	::	::	::	.	.	.	.	.	.	1.00
25	::	::	::	::	.	.	.	.	.	.	1.00
30	::	::	::	::	.	.	.	.	.	.	1.20
50	::	::	::	::	.	.	.	.	.	.	2.00
100	::	::	::	::	.	.	.	.	.	.	3.00



EDISON LAMPS.

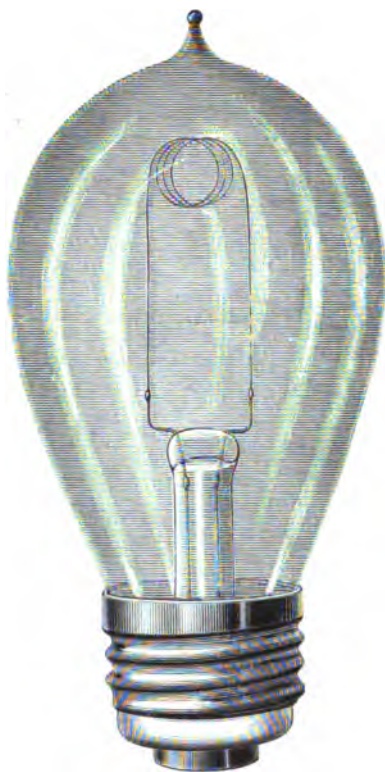
10, 16 AND 32 CANDLE POWER.

3.1 Watts: 47, 48, 49, 51, 52, 53, 57, 58, 59, 61, 62, 63, 64, 66
and 67 Volts.

4 Watts: 73, 74, 76, 77, 78, 82, 83 and 84 Volts.

PRICES:

10 Candle Power,	.	.	.	.	.	.	80 cents each.
16 " "	.	.	.	.	.	.	75 " "
32 " "	.	.	.	.	.	.	\$1.00 "



COILED NIGHT LAMP.

These lamps give one candle on the usual central station circuit and take two-tenths ampere. They are used in residences, or where a small light is left burning all night.

Spiral Night Lamps,	. . . . .	\$1.20 each.
Straight " "	. . . . .	.80 "

BASES.

Unless otherwise specified, all lamps will be shipped with No. 1 bases. The other bases, Nos. 2, 3 or 4, will be placed on lamps, when so ordered, without extra charge.



No. 1.



No. 2.



No. 3.



No. 4

SPECIAL LAMPS.

Prices quoted on application, which should state volts, amperes and candle powers desired.

BATTERY LAMPS.

These Lamps are about same size as cut on page 5, but with shorter carbons.

Lamps 20 to 40 Volts at 3.1 Watts per Candle Power.

VOLTS.	12 Candles.		16 Candles.		21 Candles.		28 Candles.	
	AMPERES.	OHMS.	AMPERES.	OHMS.	AMPERES.	OHMS.	AMPERES.	OHMS.
20	1.80	10.7	2.48	8.06	3.25	6.2	4.34	4.6
21	1.78	11.9	2.36	8.96	3.1	6.8	4.08	5.1
22	1.7	18.	2.25	9.80	2.94	7.45	3.88	5.7
23	1.62	14.2	2.15	10.7	2.82	8.2	3.7	6.2
24	1.55	15.4	2.06	11.6	2.71	8.9	3.54	6.75
28	1.33	21.	1.77	15.8	2.35	11.9	3.08	9.1
29	1.28	22.4	1.71	16.9	2.27	12.8	2.98	9.7
30	1.24	24.19	1.65	18.1	2.2	13.6	2.89	10.4
31	1.20	25.8	1.59	19.3	2.13	14.6	2.8	11.1
32	1.16	27.4	1.54	20.6	2.06	15.6	2.72	11.8
36	1.03	35.00	1.37	26.2	1.83	20.00	2.42	15.
37	1.00	37.00	1.34	27.8	1.77	21.1	2.35	15.8
38	.97	39.00	1.3	29.3	1.72	22.23	2.29	16.6
39	.95	41.00	1.27	30.8	1.67	23.4	2.22	17.5
40	.93	43.01	1.24	32.4	1.62	24.6	2.17	18.4

Lamps 20 to 40 Volts at 2½ Watts per Candle Power.

These Lamps will last only one-third as long as those at 3.1 Watts per Candle Power.

VOLTS.	16 Candles.		21 Candles.		28 Candles.		36 Candles.	
	AMPERES.	OHMS.	AMPERES.	OHMS.	AMPERES.	OHMS.	AMPERES.	OHMS.
20	2.00	10.	2.62	7.6	3.50	5.7	4.50	4.4
21	1.90	11.	2.49	8.5	3.34	6.3	4.28	4.9
22	1.81	12.1	2.36	9.3	3.18	6.9	4.10	5.3
23	1.73	13.3	2.27	10.	3.04	7.5	3.91	5.8
24	1.66	14.4	2.18	10.8	2.91	8.2	3.75	6.4
28	1.43	19.5	1.87	15.	2.50	11.2	3.21	8.7
29	1.38	21.	1.81	16.	2.41	12.	3.10	9.4
30	1.33	22.5	1.75	17.	2.33	12.8	3.00	10.
31	1.29	24.	1.69	18.1	2.25	13.7	2.90	10.7
32	1.25	25.6	1.64	19.4	2.18	14.6	2.81	11.4
36	1.11	32.4	1.46	24.6	1.94	18.5	2.50	14.4
37	1.08	34.3	1.41	26.1	1.89	19.5	2.43	15.2
38	1.05	36.2	1.37	27.7	1.84	20.6	2.37	16.
39	1.02	38.1	1.34	29.1	1.79	21.7	2.31	16.8
40	1.00	40.	1.31	30.5	1.75	22.8	2.25	17.7

PRICES:

12 Candle Power,	-	-	-	-	-	80 cents each.
16 " "	-	-	-	-	-	75 " "
21 " "	-	-	-	-	-	75 " "
28 " "	-	-	-	-	-	\$1.00 " "
36 " "	-	-	-	-	-	\$1.00 " "

EDISON LAMP CO., HARRISON, N. J.

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Edison Miniature Incandescent Electric Lamps.

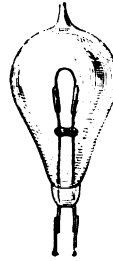
CUTS REPRESENT ACTUAL SIZES.



$\frac{1}{2}$ -CANDLE LAMP.

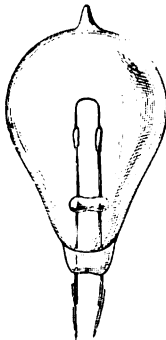


1-CANDLE LAMP.

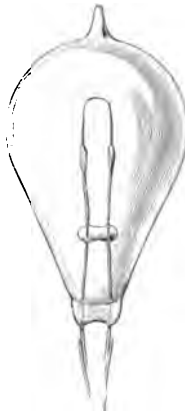


2-CANDLE LAMP.

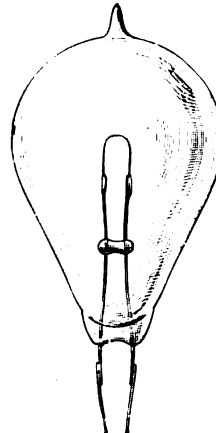
Candle Power.	Resistance.	Electro-	Current Required. Approx.	Price Each.	Per Dozen
	Ohms.	Motive Force. Volts.			
$\frac{1}{2}$ Candle.....	1.3 to 2	3.0 to 4.5	1 to 1.50	\$1 00	\$10
1 Candle.....	2.9 to 4.5	3.5 to 5.5	1 to 1.50	1 00	10
2 Candles.....	3.9 to 5	4.5 to 5.5	1 to 1.50	1 00	10



3-CANDLE LAMP.



4-CANDLE LAMP.



6-CANDLE LAMP.

Candle Power.	Resistance.	Electro-	Current Required. Approx.	Price Each.	Per Dozen.
	Ohms.	Motive Force. Volts.			
3 Candles.....	3.6 to 4.5	5.5 to 7	1 to 1.50	\$1 00	\$10
4 Candles.....	5 to 6.5	7 to 9.5	1 to 1.50	1 00	10
6 Candles.....	6 to 7	9 to 12	1 to 1.50	1 00	10

SMALL LAMPS FOR DECORATIVE PURPOSES.

The three and six-candle power small lamps are the ones usually employed for decorations, and we make special series lamps for this purpose, to be operated by station currents, and being made to run eight in series. Central station managers can obtain more details as to these lamps on application.



SPECIAL DENTAL LAMP.



DENTAL LAMP.



PEA LAMP.

Description.	Candle Power.	Resistance. Ohms.	Electro-Motive Force. Volts.	Current Required. Approx. Amperes.	Price Each.	Per Dozen.
Dental Lamp.....	$\frac{1}{2}$ Candle	1.1 to 3.5	3 to 4	1.30	\$1 00	\$12
Special Dental.....	$\frac{1}{2}$ Candle	1.7 to 2.3	3 to 4	1.30	2 00	18
Pea Lamp.....	$\frac{1}{2}$ Candle	1.2 to 2	3 to 4	1.40	2 00	18

The Edison Spiral Lamp.

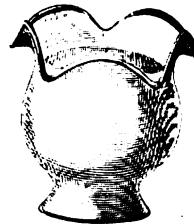
20-CANDLE POWER.



ACTUAL SIZE.



SMALL LAMP WITH BASE.



SHADE FOR SMALL LAMP.

Price 30 Cents Each.



RECEPTACLE FOR SMALL LAMPS.

Price 40 Cents Each.

30 to 38 Volts, 1 to 1.75 Amperes, also 55 to 60 Volts.

\$2.50 Each.

Extra Charge for Bases on Small Lamps of any C. P.

10 Cents Each.

EDISON TWO-LAMP PRESSURE INDICATOR.

Place the indicator where it can be easily seen by the man operating the plant. It should be at least six feet from the dynamo or wires carrying heavy currents. Free the pointer by screwing down the pin on back of cover, and level the indicator until the pointer swings freely along its scale. Connect the indicator to the tap supplying the engine room lamps or to the centre of distribution. Set the *upper* sliding index at the mark on its scale corresponding to the pressure you wish to maintain; when the indicator is connected to a tap line the upper sliding index should be set at the mark corresponding to the volts the lamps are made for; if it is connected to the centre of distribution it should be set two or three volts above this.

The lever on the side of the indicator box is for the purpose of throwing either of the two lamps or sliders into circuit. When this lever is pushed to its extreme position toward the back of the indicator the "work" lamp will be lighted, and the lower sliding index will be in circuit. When it is pushed to its extreme position toward the front of the indicator the "test" lamp will be lighted and the upper sliding index will be in circuit. When it is in its central position neither lamp nor sliding index will be in circuit.

The "work" lamp must be kept always in circuit, while the "test" lamp is only intended to be used as a check on the "work" lamp, and is not to be lighted except at times of the test.

TO SET THE INDICATOR.

When the pointer swings freely, the dynamo is running, and neither lamp is lighted, adjust the lever on the top of indicator box until the pointer stands on zero. Then having set the upper sliding index at the point corresponding to the pressure you wish to maintain, draw the lever, on side of box, slowly toward the front until it stops. Then regulate the pressure by the dynamo resistance box until the round dot on pointer stands in centre and the current is steady. Then to set the lower sliding index move the lever, on side of indicator box, slowly backward until it stops, and then move the lower index along its scale until the round dot of pointer stands on zero again. When this has been done, and the current is steady, the swinging pointer will remain in the centre of its scale, while the lever, on side of indicator box, is moved slowly from one stop to the other, showing that the two sliders and lamps agree. This tests the adjustment of the indicator, and should be applied frequently. The swinging pointer should be tested for zero at least once a day, and the "work" lamp checked at least once a week.

If either lamp gets broken, order a new one, always giving the number of the indicator. New indicator lamps are one dollar and fifty cents each.

UNITED EDISON MANUFACTURING CO.

**Edison Lamps for use in the following Cities may be obtained
from the Edison Local Companies named below :**

EDISON ELECTRIC ILLUMINATING Co., Altoona, Penn.
 EDISON ELECTRIC LIGHT & POWER Co., Amsterdam, N. Y.
 APPLETON EDISON LIGHT Co., Appleton, Wis.
 EDISON ELECTRIC ILLUMINATING Co., Ashland, Penn.
 ELECTRIC LIGHT Co., Atlantic City, N. J.
 EDISON ELECTRIC ILLUMINATING Co., Bellefonte, Penn.
 EDISON ELECTRIC ILLUMINATING Co., Birmingham, Ala.
 BOONE ELECTRIC LIGHT Co., Boone, Iowa.
 EDISON ELECTRIC ILLUMINATING Co., Boston, Mass.
 EDISON ELECTRIC ILLUMINATING Co., Brockton, Mass.
 EDISON ELECTRIC ILLUMINATING Co., Brooklyn, N. Y.
 CHESTER ELECTRIC LIGHT & POWER Co., Chester, Pa.
 CHICAGO EDISON Co., Chicago, Ills.
 1ST CINCINNATI EDISON ELECTRIC ILLUMINATING Co., Cincinnati, O.
 CANTON ELECTRIC LIGHT & POWER Co., Canton, O.
 COLUMBUS EDISON ELECTRIC LIGHT Co., Columbus, O.
 EDISON ELECTRIC ILLUMINATING Co., Cumberland, Md.
 DAYTON ELECTRIC LIGHT Co., Dayton, O.
 DES MOINES ELECTRIC Co., Des Moines, Iowa.
 EDISON ELECTRIC ILLUMINATING Co., Detroit, Mich.
 ELGIN EDISON LIGHT Co., Elgin, Ills.
 EDISON ELECTRIC ILLUMINATING Co., Easton, Pa.
 EDISON ELECTRIC ILLUMINATING Co., Erie, Pa.
 EDISON ELECTRIC ILLUMINATING Co., Fall River, Mass.
 GRAND RAPIDS ELECTRIC LIGHT Co., Grand Rapids, Mich.
 HARRISBURG ELECTRIC LIGHT Co., Harrisburg, Pa.
 EDISON ELECTRIC ILLUMINATING Co., Hazelton, Pa.
 EDISON LIGHT Co., Jackson, Mich.
 JOHNSTOWN ELECTRIC LIGHT Co., Johnstown, Pa.
 EDISON ELECTRIC LIGHT & POWER Co., Kansas City, Mo.
 EDISON LIGHT & POWER Co., Lacrosse, Wis.
 EDISON ELECTRIC ILLUMINATING Co., Lancaster, Pa.
 LARAMIE ELECTRIC, GAS LIGHT & FUEL Co., Laramie, Wyoming Ter.
 EDISON ELECTRIC ILLUMINATING Co., Lawrence, Mass.
 MCKEESPORT LIGHT Co., McKeesport, Pa.
 EDISON ELECTRIC ILLUMINATING Co., Milwaukee, Wis.

EDISON ELECTRIC ILLUMINATING Co., Middletown, O.
EDISON ELECTRIC ILLUMINATING Co., Mt. Carmel, Pa.
EDISON LIGHT & POWER Co., Minneapolis, Minn.
EDISON ELECTRIC ILLUMINATING Co., New Bedford, Mass.
EDISON ELECTRIC ILLUMINATING Co., New Brunswick, N. J.
EDISON ELECTRIC ILLUMINATING Co., Newburgh, N. Y.
EDISON ELECTRIC ILLUMINATING Co., New Orleans, La.
EDISON ELECTRIC ILLUMINATING Co., of New York.
EDISON ELECTRIC ILLUMINATING Co., Newport, R. I.
THE NORRISTOWN ELECTRIC LIGHT & POWER Co.
EDISON ELECTRIC LIGHT Co., Philadelphia, Pa.
PIQUA EDISON ELECTRIC ILLUMINATING Co., Piqua, O.
EDISON ELECTRIC ILLUMINATING Co., Paterson, N. J.
EDISON ELECTRIC ILLUMINATING Co., Pottsville, Pa.
READING ELECTRIC LIGHT & POWER Co., Reading, Pa.
EDISON ELECTRIC ILLUMINATING Co., Renovo, Pa.
EDISON ELECTRIC ILLUMINATING Co., Rochester, N. Y.
FOREST CITY ELECTRIC LIGHT & POWER Co., Rockford, Ills.
EDISON SAULT LIGHT & POWER Co., Sault Ste. Marie, Mich.
SCRANTON ILLUMINATING HEAT & POWER Co., Scranton, Pa.
EDISON ELECTRIC ILLUMINATING Co., Shamokin, Pa.
SKOWHEGAN ELECTRIC LIGHT Co., Skowhegan, Me.
EDISON ELECTRIC ILLUMINATING Co., Spokane Falls, Wash. Ter.
EDISON ELECTRIC LIGHT & POWER Co., St. Paul, Minn.
EDISON ELECTRIC ILLUMINATING Co., Sunbury, Pa.
EDISON ELECTRIC ILLUMINATING Co., Tamaqua, Pa.
TIFFIN EDISON ELECTRIC ILLUMINATING Co., Tiffin, O.
EDISON ELECTRIC ILLUMINATING Co., Topeka, Kan.
UNITED STATES ELECTRIC LIGHTING Co., Washington, D. C.
EDISON ELECTRIC ILLUMINATING Co., West Chester, Pa.
WILKES-BARRE ELECTRIC LIGHT Co., Wilkes-Barre, Pa.
EDISON ELECTRIC ILLUMINATING Co., Williamsport, Pa.
EDISON ELECTRIC LIGHT Co., York, Pa.