London
30 November 1882.

Copy

John Parsons Esqre
Gt Western Electric Lt Co's

Dear Sir,

We have yours, re "Incandes. machines", of the 29th inst.

We will have a diagram made of the connections, you require, and sent you on tomorrow.

The "A" machine runs 25 lamps of about 18. C.P. each at a speed of about 1350 rev. The pulley for this machine is 6 inches diameter and a 3½ inch belt is required. It gives an E.M.F of 65 volts and a current of 29 amperes.

The "C" machine runs 60 lps of similar C.P at a speed of 900 revs, the pulley is 8¼ in. in diameter and a 5½ inch belt is reqd. It gives an E.M.F of 65 volts and a current of 70 amperes.

The regulator we should advise you to use ~~in~~ is our patent automatic regulator for incandescent lamps and designed specially for these machines, of this we will also have a drawing sent you. It works very well and we have turned out 59 out of the 60 lps with a "C" machine, and left the remaining one burning. We believe that we have ~~no~~ one of these on order for you, we will despatch it to you in the course of the next few days.

Yours faithfully
A A B & L C. Ltd
Wm J. Cordner
Genl Manr

PRICE LIST.

THE "BRUSH" ELECTRIC LIGHT.

Anglo-American Brush Electric Light Corporation, Limited.

OFFICES:—BELVEDERE ROAD, LAMBETH, S.E.

DYNAMO ELECTRIC LIGHT MACHINES.

No.	Estimated nominal Candle power of each Light.	Price.	Number of Lights.	Indicated Horse Power required.	Weight.	Revolutions per minute.	Size of pulley.	Width of belt.
1 ...								
2 ...	1500	£75	1	2	260 lbs.	1100	5 inch.	3 inch.
3 ...	3000	£100	1	4	400 ,,	1075	6 ,,	3 ,,
4(a)	1500	£135	3	4	550 ,,	1050	6 ,,	4 ,,
4(b)	2000	£135	2	4	550 ,,	1050	6 ,,	4 ,,
4(d)	6000	£135	1	4	550 ,,	1050	6 ,,	4 ,,
5(a)	3000	£240	4	8	1150 ,,	900	10 ,,	5 ,,
5(b)	2000	£240	6	8	1150 ,,	900	10 ,,	5 ,,
6 ...	2000	£300	10	12		700		
7(a)	2000	£400	16	19	2200 ,,	800	14 ,,	8 ,,
7(b)	50,000	£500	1	18				
8 ...	2000	£720	40	45			20 ,,	

The candle power of lights is measured with the carbons in their best position, and may be considered the maximum light they will yield.

DYNAMO PLATING MACHINES.

	Price.	Indicated Horse Power required.	Revolutions per minute.	Size of pulley.	Width of belt.
9 inch.....	£80	1½			
11 ,, ...	£105	3			
12 ,, ...	£185	3½			

PRICES OF LAMPS, ETC.

	£	s.	d.
Hanging Lamps, single (burn 8 hours)	13	0	0
,, ,, double (,, 16 ,,)	16	0	0
Headlight Lamps, single.....	17	0	0
,, ,, complete with 22 inch Parabolic Reflector and Case	27	0	0
Focussing Lamps for projections, &c.	15	0	0
Small Weather Protectors	0	5	0
Hoods, complete	5	0	0
Dye House double lamps	20	0	0
Ornamental Silver-plated Lamps	25	0	0
Parabolic Reflector and Case complete.....	15	0	0
Glass Globes .....each	0	12	0
Opal Globes	0	18	6
Alabastrine Glass Globes	1	1	0
Insulated Wire ..... per yard	0	1	0
Plain Wire .....per foot	0	0	1
Tachometer (speed indicator for engine)	12	10	0
Automatic Regulators, for No. 7a, Dynamo Machine	26	0	0
Ditto, for No. 8 ditto	40	0	0
Hand Regulator, for No. 7a ditto	7	10	0
Copper coated carbons for use in Lamps .....per foot	0	0	4

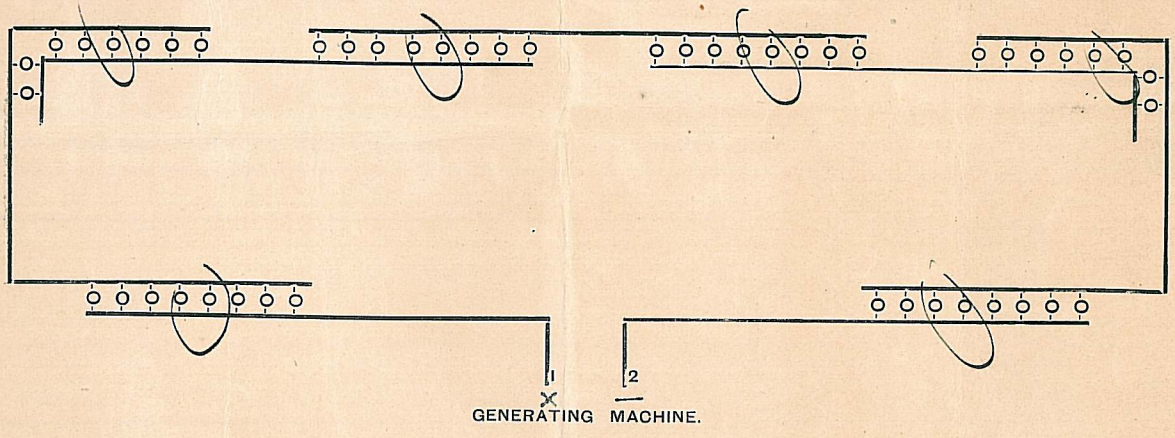
(The consumption of Carbons is at the rate of ½d. to ¾d. per lamp per hour.)

ALL *prices given above are* NET. *Cash in* 30 *days.*

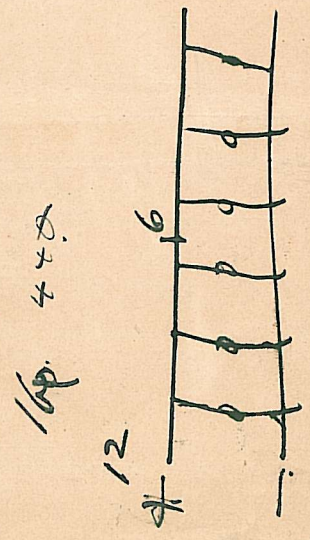
(18119)

NOTE.—As the size of Wire, as well as the length, depends materially upon the arrangement of the Lamps, and their position relatively to the generating machine, it is obviously impossible to give prices suitable for all cases. The above list is only meant as a guide to those desirous of ascertaining the approximate cost of an installation.

In installations for private houses and buildings generally, the Lamps are always worked in "multiple arc;" that is to say, each Lamp is independent of all the others, and is joined up directly between the main and the earth; while in the case of streets and other places, where the Lamps are all wanted at once, and may all be lighted and extinguished together, they are worked in "multiple series," which greatly reduces the cost of conducting wires, obviously an important consideration in cases where the circuit extends over any great distance. The following diagram will give a general idea of this latter arrangement. It will be understood that the wires are drawn straight only for facility in demonstration, and may be of any form required, so long as the general principle be adhered to :—



Thick lines represent Main Conductors. *Thin* lines branch Wire to Lamps. Lamps are represented thus o.



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