

OSRAM
LAMPS.

OSRAM BATTERY LAMPS

WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.

FOR OMNIBUS, MOTOR CAR. CARRIAGE AND YACHT LIGHTING,
HAND AND MINERS' LAMPS, ETC.

2 VOLTS. 1-1.5 C.P. ROUND, B.C. & S.B.C.

Catalogue No.	VOLTS.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dimensions Approx m/m		Price each.
						Dia.	Length.	
S 8800	2	0.5	0.5	Round	4	26	43	1/3
S 8804	2	1	0.8	"	4	26	43	
S 8808	2	1.5	1	"	4	26	43	

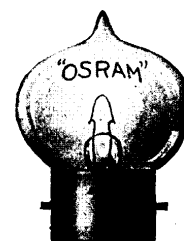


Figure 4

4-12 VOLTS. 3-12 C.P. ROUND, B.C. & S.B.C.

S 8812	4	2	0.5	Round	5	33	64	1/4
S 8816	4	3	0.75	"	5	33	64	
S 8820	4	4	1	"	5	33	64	
S 8822	6	3	0.5	"	5	33	64	
S 8828	6	4.5	0.75	"	5	33	64	
S 8832	6	6	1	"	5	33	64	
S 8836	8	4	0.5	"	5	33	64	
S 8840	8	6	0.75	"	5	33	64	
S 8844	8	8	1	"	5	33	64	
S 8848	10	5	0.5	"	5	39	64	
S 8852	10	8	0.75	"	5	39	64	1/8
S 8856	10	10	1	"	5	39	64	
S 8860	12	6	0.5	"	5	39	64	
S 8864	12	9	0.75	"	5	39	64	
S 8868	12	12	1	"	5	39	64	
S 8872	14	3	0.25	"	5	39	64	
S 8876	14	5	0.35	"	5	39	64	



Figure 5.

8-16 VOLTS. 5-16 C.P. PEAR, B.C. & S.B.C.

S 8880	8	4	0.5	Pear	1a	40	90	1/4
S 8884	8	6	0.75	"	1a	40	90	
S 8888	8	8	1	"	1a	40	90	2/-
S 8892	8	16	2	"	1a	52	115	
S 8896	10	5	0.5	"	1a	40	90	1/8
S 8900	10	8	0.75	"	1a	44	100	
S 8904	10	10	1	"	1a	44	100	2/-
S 8908	10	16	1.6	"	1a	52	115	
S 8912	12	5	0.45	"	1a	40	90	1/8
S 8916	12	9	0.75	"	1a	44	100	
S 8920	12	12	1	"	1a	44	100	2/-
S 8924	12	16	1.3	"	1a	52	115	
S 8928	14	3	0.3	"	1a	32	76	1/8
S 8932	14	10	0.75	"	1a	52	115	
S 8936	14	5	0.35	"	1a	44	100	2/-
S 8940	14	14	1	"	1a	52	115	
S 8944	14	16	1.2	"	1a	52	115	2/6
S 8948	14	25	1.8	"	1a	60	145	
S 8952	14	32	2.3	"	1a	60	145	3/6
S 8956	14	50	3.6	"	1a	60	170	
S 8960	16	5	0.63	"	1a	44	100	1/8
S 8964	16	10	0.36	"	1a	52	115	
S 8968	16	16	1	"	1a	52	115	2/-

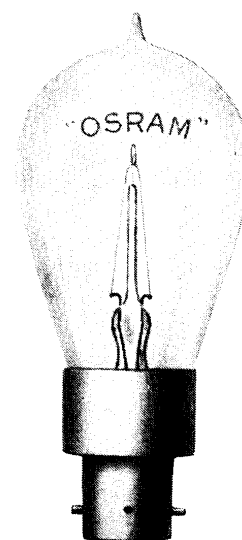


Figure 1A.

NOTE.—When ordering state type of cap.

See the name OSRAM on every Lamp.

OSRAM
LAMPS.

OSRAM BATTERY LAMPS WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.

FOR OMNIBUS, MOTOR CAR, CARRIAGE AND YACHT
LIGHTING, ETC.

4—12 VOLTS. 3—8 C.P. FESTOON WITH NICKEL CAPS.



Figure 6.



Figure 6A.

Catalogue No.	VOLTS.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dimensions Approx. m/m.		Price each.
						Dia.	Length.	
S 8972	4	3	0.75	Festoon with Nickel Caps.	3	17	43—45	1/8
S 8976	4	4	1		"	17	43—45	
S 8980	6	4.5	0.75		"	17	43—45	2/-
S 8984	6	6	1		"	17	43—45	
S 8988	8	6	0.75		"	17	43—45	
S 8992	8	8	1		"	17	43—45	3/6
S 8996	10	8	0.8		"	17	43—45	
S 9000	12	8	0.67		6A	17	43—45	

2—8 VOLTS. 1—6 C.P. FLAT WITH LOOPS.

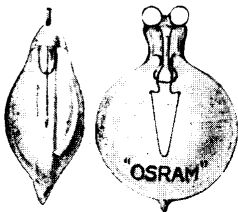


Figure 7.

Catalogue No.	VOLTS.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Width.	Length.	Dia.	Price each.
S 9002	2	1	0.75	Flat Bulb with Loops.	7	22	33	15	1/8
S 9004	2	1.5	1		"	22	33	15	
S 9006	4	3	0.75		"	22	33	15	
S 9008	4	4	1		"	22	33	15	1/11
S 9010	6	4.5	0.75		"	28	40	15	
S 9012	8	6	0.75		"	28	40	15	

NOTE.—Flat Bulb Lamps fitted with bottom Loop, 6d. each extra.

4—8 VOLTS. 3—6 C.P. ROUND WITH LOOPS.

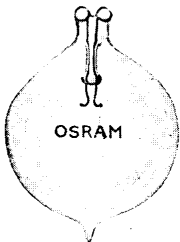


Figure 8.

Catalogue No.	VOLTS.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dia.	Length.	Price each.
S 9014	4	3	0.75	Round Bulb with Loops.	8	33	45	1/4
S 9016	6	4.5	0.75		"	33	45	1/8
S 9018	8	6	0.75		"	33	45	

FOR HAND AND MINERS' SAFETY LAMPS.

2—8 VOLTS. 1—8 C.P. ROUND PIPLESS S.B.C. OR MIN. S.E.S.

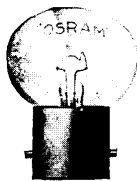


Figure 10.
S.B.C.



Figure 10.
MIN. S.E.C.

Catalogue No.	VOLTS.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dia.	Length.	Price each.
S 9020	2	0.5	0.5	Round Bulb with S.B.C. or Min. S.E.S. Cap.	10	26	35	1/3
S 9022	2	1	0.75		"	26	35	
S 9024	2	1.5	1		"	26	35	2/3
S 9025*	2	2	1		"	26	35	
S 9026	4	2	0.5		"	26	35	
S 9028	4	3	0.75		"	26	35	1/4
S 9030	4	4	1		"	26	85	
S 9032	6	3	0.5		"	26	35	
S 9034	6	4.5	0.75		"	26	35	
S 9036	6	6	1		"	26	35	
S 9038	8	4	0.5		"	26	35	
S 9040	8	6	0.75		"	26	35	
S 9042	8	8	1		"	26	35	

NOTE.—When ordering state type and cap.

* Specially designed for Miners' Safety Lamps.

See the name OSRAM on every Lamp.

OSRAM BATTERY LAMPS
WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.

FOR OMNIBUS, MOTOR CAR, CARRIAGE AND YACHT
LIGHTING, ETC.

(Continued).

2-12 VOLTS. 1-7.5 C.P. TUBULAR, S.B.C.

Catalogue No.	Volts.	Approx. Hefner C.P.	Approx. Amps.	Description	Figure.	Dimensions Approx. m/m.		Price each.
						Dia.	Length.	
S 9050	2	1	0.75	Tubular	11	17	55	1/4
S 9052	4	3	0.75	"	"	17	55	
S 9054	6	4.5	0.75	"	11a	17	60	1/8
S 9056	8	6	0.75	"	"	17	60	
S 9058	10	8	0.8	"	"	17	60	2/9
S 9060	12	8	0.8	"	"	17	60	

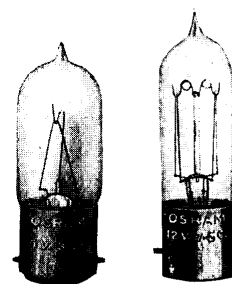


Figure 11. Figure 11a.

4-8 VOLTS. 4-6 C.P. MUSHROOM, S.B.C.

S 9065	4	4	1	Mushroom	12	32	34	1/8
S 9067	6	4.5	0.75	"	"	32	34	2/-
S 9069	8	6	0.75	"	"	32	34	



Figure 12.

4-8 VOLTS. 3-6 C.P. SQUAT, MIN. S.E.S.

S 9080	4	3	0.75	Squat	18	22	30	2/-
S 9082	6	4.5	0.75	"	"	22	30	2/9
S 9084	8	6	0.75	"	"	22	30	3/3



Figure 18.

FOR ILLUMINATING ELECTRIC SIGNS.

This Lamp has been specially designed for use in Electric Signs, the low current consumed, viz: 3 amps. enabling a larger number of lamps to be used in each sign, and thus ensuring an equal distribution of light over the entire surface of the panel to be illuminated. Where Transformers cannot be used, signs should be wired in series—parallel.

10 VOLTS. 3 C.P. ROUND, S.E.S.

Catalogue No.	Volts.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dimensions Approx. m/m.		Price each.
						Dia.	Length.	
S 9090	10	3	0.3	Round	19	32	60	1/8

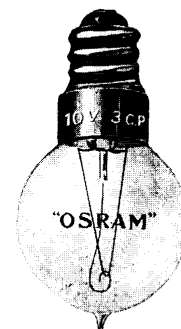


Figure 19.

For 33 Volt Sign Lamps see page 706.

OSRAM BATTERY LAMPS WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.

FOR USE WITH DRY BATTERIES, POCKET LAMPS, TORCHES,
HAND AND MINERS' LAMPS, ACCUMULATORS, ETC.

Specially low current consumption.

2-5.5 VOLTS. CANDLE SHAPE, MIN. S.E.S.

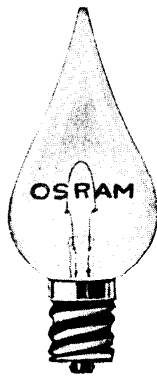


Fig. 13.



Fig. 14.

Catalogue No.	Voltage.	Approx. Hefner C.P.	Approx. Amps.	Description.	Figure.	Dimensions. Approx. m/m.		Price each.
						Dia.	Length.	
S 9100	2	0.8	0.6	Candle Shape	13	21	51	1/3
S 9104	4	1.5	0.6		"	21	51	
S 9108	3.5	0.9	0.3		"	21	51	
S 9112	5.5	1.5	0.3		"	21	51	

1.25-6 VOLTS. ROUND CLEAR. PIPELESS. MIN. S.E.S.

S 9120	2	0.5	0.4	Round Bulb Clear	14	12	22	10 1/2 d.
S 9124	2	0.7	0.5		"	15	27	
S 9128	2	0.8	0.6		"	12	22	
S 9132	2	0.8	0.6		"	15	27	
S 9134	2	1	0.8		"	12	22	
S 9138	2	1	0.8		"	15	27	
S 9142	4	1	0.4		"	12	22	
S 9146	4	1	0.4		"	15	27	
S 9150	4	1.5	0.6		"	15	27	
S 9154	1.25	0.4	0.55		"	12	23	
S 9158	2.5	0.4	0.17		"	15	27	
S 9162	2.5	0.5	0.2		"	15	27	
S 9166	2.5	0.6	0.3		"	15	27	
S 9170	3.5	0.5	0.15		"	15	27	
S 9174	3.5	0.7	0.2		"	15	27	
S 9178	3.5	0.9	0.3		"	15	27	
S 9182	4.5	1.2	0.3		"	15	27	1/3 1/6
S 9186	5.5	1.5	0.3		"	15	27	
S 9190	6	3	0.5		"	15	25	
S 9194	1.25	0.25	0.3		"	12	22	
S 9200	2.5	0.4	0.17		"	12	22	
S 9204	2.5	0.5	0.2		"	12	22	
S 9208	2.5	0.6	0.3		"	12	22	10 1/2 d.
S 9212	3.5	0.5	0.15		"	12	22	
S 9216	3.5	0.7	0.2		"	12	22	
S 9220	3.5	0.9	0.3		"	12	22	

2.5 & 3.5 VOLTS. MIN. S.E.S.
FLAT WITH OPAL GLASS REFLECTOR.

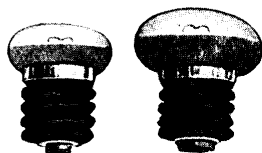


Fig. 15. Fig. 16.
With Opal Glass
Reflector.

S 9230	2.5	0.8	0.17	Flat Bulb with Opal Glass Reflector.	15	12	18	10 1/2 d.
S 9234	2.5	1.0	0.2		"	12	18	
S 9238	2.5	1.2	0.3		"	12	18	
S 9242	3.5	1.0	0.15		"	12	18	
S 9246	3.5	1.4	0.2		"	12	18	
S 9250	3.5	1.8	0.3		"	12	18	
S 9254	2.5	0.8	0.17		"	12	22	
S 9258	2.5	1.0	0.2		"	12	22	
S 9262	2.5	1.2	0.3		"	12	22	
S 9266	3.5	1.0	0.15		"	12	22	
S 9270	3.5	1.4	0.2		"	12	22	
S 9274	3.5	1.8	0.3		"	12	22	
S 9278	2.5	0.8	0.17		16	15	22	
S 9282	2.5	1.0	0.2		"	15	22	
S 9286	2.5	1.2	0.3		"	15	22	
S 9290	3.5	1.0	0.15		"	15	22	
S 9294	3.5	1.4	0.2		"	15	22	
S 9298	3.5	1.8	0.3		"	15	22	

For Miniature Lampholders for OSRAM Battery Lamps see page 812 (S. Section Catalogue).

See the name OSRAM on every Lamp.

OSRAM
LAMPS.

OSRAM BATTERY LAMPS WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.



Figure 20.

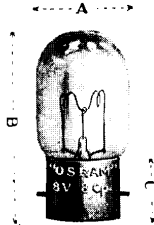


Figure 21.

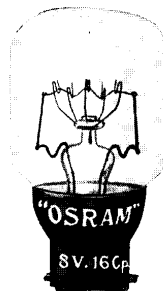


Figure 22.

"HEADLITE" TYPE.

4 & 8 VOLTS. 4, 8 & 16 C.P. TUBULAR, PIPELESS.

Catalogue No.	Voltage.	Approx. C.P.	Approx. Amps.	Description.	Figure.	Dimensions. Approx. m/m.				Price each.
						Type.	A	B	C	
S 9575	4	4	1	Tubular	20	S.B.C.	17	37	15	2/3
S 9576	8	8	1	Tubular	21	S.B.C.	20	37	15	3/-
S 9577	8	16	2	Tubular	22	B.C.	31	58	20	4/3

8 VOLTS. 16 C.P. FLAT BULB. S.B.C.

S 9579	8	16	2	{ Special Flat Bulb }	28	S.B.C.	31	60	22	4/3
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4-12 VOLTS. 6-32 C.P. ROUND, PIPELESS.
B.C. & S.B.C.

These Lamps have been designed after very careful and earnest consultation with the leading Motor Car Experts and Manufacturers of Headlights and Lanterns. The filaments are arranged in parallel, so that if one filament fails, the second filament remains alight—the lamp giving half its normal candle power.

In addition the filaments are placed close together in the centre of the bulb as illustrated in order to focus light to best advantage. Also these filaments are infinitely stronger than carbon filaments. All wording is stamped on the caps, and the bulbs are pipless, so that **no shadows are cast.**

Catalogue No.	Volts.	Approx. C.P.	Approx. Amps.	Description.	Figure.	Dimensions. Approx. m/m.				Price each.
						Type.	A	B	C	
S 9565	4	8	2	Round Bulb.	23	{ B.C.	33	51	20	2/6
S 9566	6	12	2		23	{ S.B.C.	33	59	28	3/-
S 9567	8	6	0.75		23	{ B.C.	50	69	20	
S 9568	8	16	2		23	{ S.B.C.	50	77	28	3/9
S 9578	8	32	4		23	{ B.C.	33	49	20	
S 9569	12	6	0.5		23	{ S.B.C.	33	57	28	3/3
S 9570	12	16	1.33		23	{ B.C.	50	76	20	
S 9571	12	25	2		23	{ S.B.C.	50	84	28	3/9
						{ B.C.	55	73	20	
						{ S.B.C.	55	81	28	

NOTE.—When ordering, please state size of Cap.

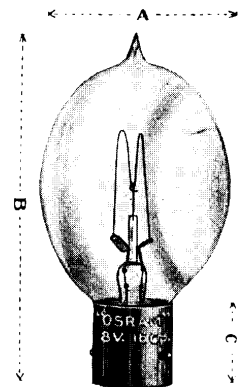


Figure 28.

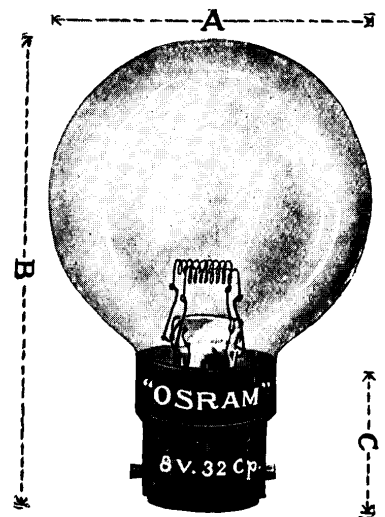
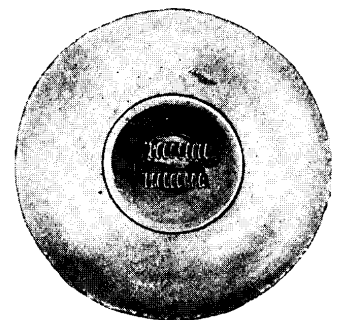


Figure 23.

Figure 23.
Showing Arrangement of Filament

(S) 716.

OSRAM
LAMPS.

OSRAM BATTERY LAMPS WITH DRAWN WIRE FILAMENTS.

BURN IN ANY POSITION.

NEW TYPES OF HIGH CANDLE POWER FOR MOTOR CAR
HEAD AND TAIL LIGHTS.

Round Bulb Pipless.

Fig. 24.

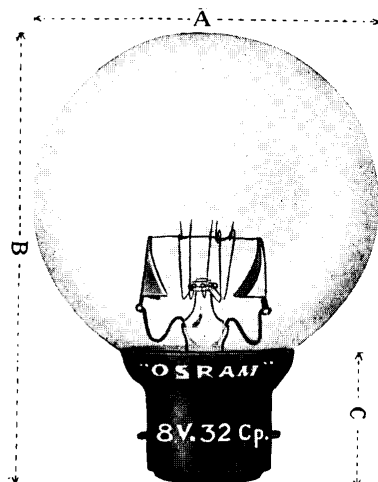


Fig. 24.

Catalogue No.	Volts.	Approx. Hefner C.P.	Approx. Amperes.	Dimensions Approx. m/m.		Price each.
				A	B	
S 9600	8	12	1.5	50	72	3/6
S 9604	12	12	1	50	72	3/6
S 9608	16	12	0.75	50	72	3/6
S 9612	8	16	2	50	72	3/9
S 9616	12	16	1.4	50	72	3/9
S 9620	16	16	1	50	72	3/9
S 9624	8	25	3	55	77	4/3
S 9628	12	25	2	55	77	4/3
S 9632	16	25	1.5	55	77	4/3
S 9636	8	32	4	60	82	5/6
S 9640	12	32	2.7	60	82	5/6
S 9644	16	32	2	60	82	5/6
S 9648	12	50	4	60	82	5/6
S 9652	16	50	3	60	82	5/6

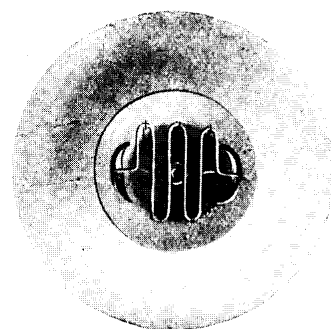


Fig. 24.

Showing Arrangement of Filament

Round Bulb with Pip.

Fig. 25.

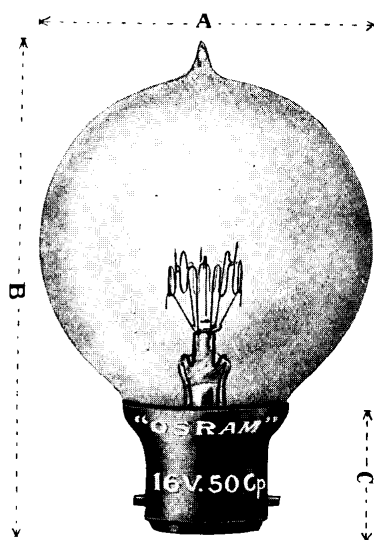


Fig. 25.

S 9670	8	12	1.5	50	78	3/6
S 9674	12	12	1	50	78	3/6
S 9678	16	12	0.75	50	78	3/6
S 9682	8	16	2	50	78	3/9
S 9686	12	16	1.4	50	78	3/9
S 9690	16	16	1	50	78	3/9
S 9694	8	25	3	55	84	4/3
S 9696	12	25	2	55	84	4/3
S 9698	16	25	1.5	55	84	4/3
S 9700	8	32	4	60	90	5/6
S 9704	12	32	2.7	60	90	5/6
S 9708	16	32	2	60	90	5/6
S 9712	12	50	4	60	90	5/6
S 9716	16	50	3	60	90	5/6

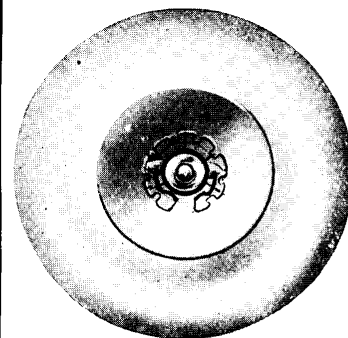


Fig. 25.

Showing Arrangement of Filament

The above measurements B are with Standard Bayonet Caps. Lamps with small Bayonet Caps are 8 m/m longer.

Note.—When ordering please state size of Cap.

See the name OSRAM on every lamp.