



**THE LEADING
BRITISH HOUSE**

FOR

Everything Electrical

IN CONNECTION WITH

Motoring



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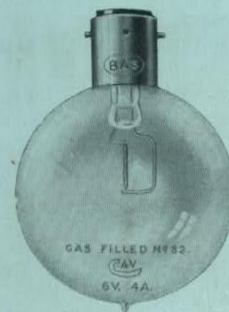
16, FRIARS ROAD.

TELEPHONE: COVENTRY 308.

THE
C.A.V.

**Automobile
Lamp Bulbs**

Fully Licensed under Patents 23499/09, 10918/13, and others.



**B.A.S. Standard &
Anti-Dazzle Types**

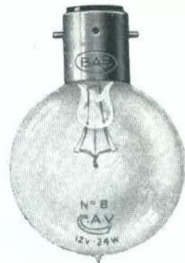
C.A. Vandervell & Co. Ltd.;
ACTON VALE, LONDON, W. 3.

LAMP

VACUUM TYPES.



FOR
HEADLAMPS.



C.A.V. FILAMENT,
CLOSE FORM.

It is seldom realised how greatly the characteristics of road illumination depend on the light source, quite apart from the reflectors. The exact location of the filament is also imperative, if full range of adjustment is to be obtained, whilst shape and form are vital.

To give the wide diffusion for driving comfort the open helical spiral form is ideal, the filament construction lending itself to strong mounting and insulation from road shock. Types Nos. 11, 82 and 20 in this form are the Standard Headlight Bulbs. For smaller Headlight Reflectors a closer filament formation is necessary as in Nos. 8, 19, 62 and 73, form D, to maintain full length of projection and width of beam. These are special C.A.V. designs with a distinctive form of filament, which is also repeated in the C.A.V. Focussing Sidelamp, Nos. 63, 80, 64, 72 and 73. Comparative tests certified by the National Physical Laboratory confirm their superiority. The special SHORT FOCUS Bulbs are of similar form, but have the further distinction that they are of slightly reduced size, in order to fit in early types of Wing Driving Sidelamps, and give improved results.

12 Volt Range. Double Contact.

No.	Form.	Suitable for	Watts.	Amps.	B.A.S. No.	Price s. d.
11	B	Headlamps, Standard	36	3	7	2 9
8	D	Headlamp, Small	24	2	—	2 3
9	G	Combined Head & Side	24	2	SHORT FOCUS	2 6
63	E	Side, C.A.V. Focussing	12	1	—	1 8
66	F	Small, Side and Tail..	6	.5	10	1 6
36	H	Interior Mushroom	9	.75	—	3 6
16	I	Interior and Dash	6	.5	—	3 0
40	J	Dash and Inspection	6	.5	—	2 9

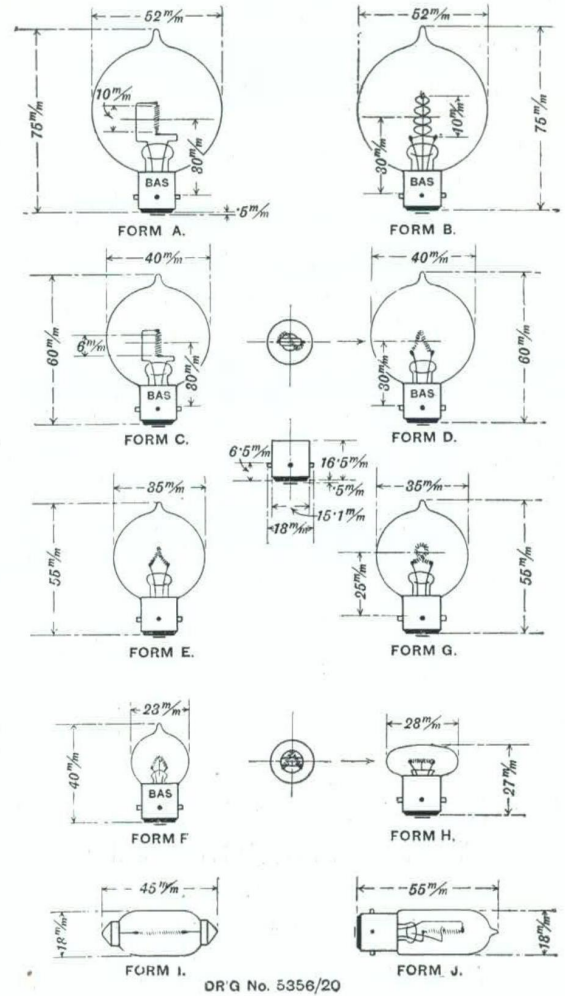
12 Volt British Centre Contact.

82	B	Headlamps, Standard	36	3	7	2 9
80	E	Side C.A.V. Focussing	12	1	—	1 8
81	F	Small, Side and Tail..	6	.5	10	1 6

Throughout the C.A.V. Bulb range in 4, 6 and 12 volt types, small bayonet cappings are employed in D.C. (double contact) or C.C. (centre contact) for earth return systems. Straight sleeve cappings only are now used, as also in the 6 volt American range, which has special short pins and proud contacts.



FORMS & DIMENSIONS.



Included in the C.A.V. Ranges are many strictly B.A.S. Models, which, whilst specially suitable for C.A.V. lamps, are also suitable for lamps of other makers. Forms A, B, C, D and F coincide with B.A.S. types. Forms D, E, G and H are distinctive C.A.V. sizes or filament forms.

4 Volt Battery Lighting Types. S.B.C.-D.C.

No.	Form				s. d.
2	E	Sidelamps and General	4	1	1 8
1	F	Small Sidelamps	2	.5	1 8
3	I	Interior Festoon	3	.75	3 0

BULBS

VACUUM TYPES.



C.A.V. FOCUSING SIDE LAMP.

SQUAT INTERIOR LAMP TYPE.



SMALL SIDE AND TAIL.

As a distinct feature in bulbs for good driving sidelamps provided with variable focus, we introduce a new series. Types 63, 64, 72 and 73 (Form E), taking one ampere, repeat the small headlight form with equally exact positioning of a minutely spiralled and radially looped filament. When correctly focussed a really safe driving light is obtained from sidelamps mounted on the wings, removing entirely the necessity of using headlights in town and suburbs.

The small metal filament type, Form F, covers several uses for side, tail, dash and step lights where bulb size is restricted. The specially shaped Mushroom, Festoon and Tubular types are listed for the various distinct types of fittings as scheduled overleaf.

Where types are exactly to British Automobile Standard, the B.A.S. No. is quoted, same being also stamped on lamp cap. Price reductions apply to these types.

6 Volt Range, Double Contact.

No.	Form.	Suitable for	Watts	Amps.	B.A.S. No.	Price s. d.
20	B	Headlamp, Large	18	3	—	2 6
19	D	Headlamp, Standard	15	2.5	—	2 3
65	G	Combined Head & Side	15	2.5	SHORT FOCUS	2 6
64	E	Side C.A.V. Focussing	6	1	—	1 8
67	F	Sidelamp, Standard	6	1	9	1 6
68	F	Small Side and Tail	3	.5	8	1 6
34	H	Interior Mushroom	4.5	.75	—	3 0
5	I	Interior and Dash	6	1	—	3 0
38	J	Dash and Inspection	4.5	.75	—	2 9

6 Volt British Centre Contact.

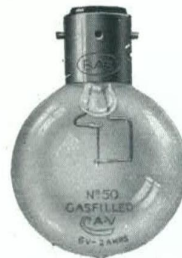
62	D	Headlamp, Standard	15	2.5	—	2 3
71	G	Combined Head & Side	15	2.5	SHORT FOCUS	2 6
72	E	Side C.A.V. Focussing	6	1	—	1 8
69	F	Sidelamp, Standard	6	1	9	1 6
74	F	Small Side and Tail	3	.5	8	1 6

6 Volt American C.C.

73	D	Headlamp, Standard	15	2.5	—	2 4
75	E	Side C.A.V. Focussing	6	1	—	1 9
76	F	Side, Tail or Dash	3	.5	—	1 7
70		Special FORD Bulb	8/9 Volts.	2 Amps.	D.C.	2 6

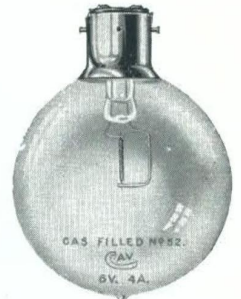


GASFILLED TYPES.



FOR HEADLAMPS.

LINE FILAMENTS.



Most early types of Half Watt Bulbs had the characteristic extra brilliance, but often at the expense of length of life; then again the formation of the tungsten filament was not regular, permitting warping and consequent faulty focus. After much research and experience, we offer a Perfected Gasfilled Bulb, exact in construction, which employs a minutely spiralled, vertically placed single line filament. Mounted in coiled spring form, distortion does not take place, and with voltage determined at the lamp ends of cables the efficiency is set not to permit unreasonable over-running of the bulbs. Shadows are entirely eliminated from the projected beam, which possesses a core of great intensity. These give best results when used with diffuser type front glass.

Two Short Focus Gasfilled types are also listed which, with M.C., E.C. and early types of F.S., F.W., A.C.W. and A.C.P. lamps, give greatly improved road illumination.

12 Volt Double Contact.

No.	Form	Suitable for	Watts	Amps.	B.A.S. No.	Price s. d.
46	A	Searchlights	48	4	—	4 0
45	A	Headlamps, Standard	36	3	4	3 0
84	C	Head, Small and Spotlights	24	2	3	2 9
44	C	Combined Head & Side	24	2	SHORT FOCUS	3 0

6 Volt Double Contact.

52	A	Headlamps, Large	24	4	—	3 6
51	C	Headlamps, Standard	18	3	2	2 9
83	C	Head, Small and Spotlights	12	2	1	2 9
50	C	Combined Head & Side	12	2	SHORT FOCUS	3 0

Centre Contact Types.

79	A	12 v. British, long pins	36	3	—	3 0
78	C	6 v. British, long pins	18	3	—	2 9
77	C	6 v. American, short pins	18	3	—	2 10

SPARES
MUST BE
CARRIED



A CASE
ENSURES
SAFETY

No. 2 BULB CASE FOR HEADLIGHTS. Price 2/6
This Case forms the best means of carrying or despatching two of the gasfilled bulbs and ensures that they are safe and sound when required for a special night run. Effectively padded and covered in imitation leather.

SPARE BULBS & CASES

COMPACT
AND
NEAT



ALWAYS
AT
HAND

Two sizes are made, each taking two head, two side and one tail, with one Mushroom, Festoon or Tubular Type, in addition to spare fuse and set of dynamo brushes. The No. 4 Model will take two large head or gasfilled bulbs and the No. 3 the same units with the small Headlight Bulbs.

No. 3 Case only 5/6 No. 4 Case 6/-

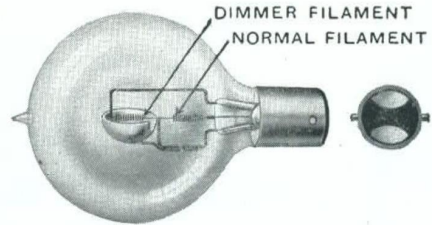
Standard Bulbs as fitted to C.A.V. Models.

Model	Description	12 Volt. D.C.	6 Volt. D.C.	6 Volt C.C.
A	Headlamp, Large, Gasfilled ..	45	51	78
F	Headlamp, Medium, Vacuum ..	11	20	78
E	" " " " ..			
NB	" " " " ..			
F	" Small, " " ..	8	19	62
E	" " " " ..			
NB	" " " " ..			
DH	" Standard, " " ..	8	19	62
WS	" " " " ..			
ALL	Wing Driving Lamps, used as combined head and side, FW, BW, EW, AC, ACW, AP and MCB ..			
ALL	Wing Type Lamps, used as— Focussing Side Lamps, FW, BW, EW, AC, ACW, NS and TW ..	63	64	72
ALL	Sidelamps, Standard, FS and ES	63	64	72
DS	Small Side, Torpedo, TWF ..	66	67	69
TS	MTS and CTS Tail Lamps ..	66	68	74
LT	DT, DC, and DAT Tail Lamps ..			
A	Instrument Lights (DC only) ..	66	68	—
SD1	Dashlamps (Tubular) ..	40	38	—
ALL	C.A.V. Interior (Mushroom) ..	36	34	—

Note.—Whilst variations can be made to economise current or to obtain extra light by the use of gasfilled types, when replacing standard bulbs it is unwise to vary the total consumption unduly, since an increased load may make it impossible to keep batteries fully charged.

ANTI-DAZZLE TYPES

Graves Patent.



STANDARD S.B.C. D.C. CAPPING.

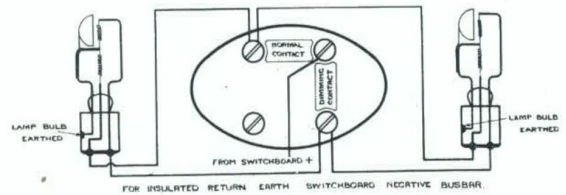
SIMPLEST AND SAFEST ANTI-DAZZLE DEVICE EXTANT.

The C.A.V. Anti-Dazzle Bulbs have been praised by the whole of technical motor journals as the simplest and most effective yet devised. Consisting of standard size D.C. capped gasfilled bulbs, they have an additional filament and cup-formed deflector and screen. Both give their full rated candle power without any diminution of intensity, so there is no reduction or unsafe dimming. With normal filament the long broad beam is unaffected, but by switching over, the screen absolutely cuts off top light of beam and by refraction causes an additional fan fare of brilliant lighting immediately in front of the car, completely removing dazzle to on-coming vehicles and giving absolute safety to the user. An earth return circuit is made through bulb cap, as indicated in diagram.

Available in Gasfilled types, 6 and 12 volts.

State Voltage required, and Finish—Brass or Nickel.

Supplied in sets, comprising two bulbs, switch, cables, with full wiring instructions and diagram. 30/- per set.



C.A.V. DIMMER SWITCH.



The standard switch is used, which fits flush. The simple series parallel switch is also used for plain dimming with standard bulbs. Diagrams supplied gratis.

Finish, Brass, Nickel or Black 7/6