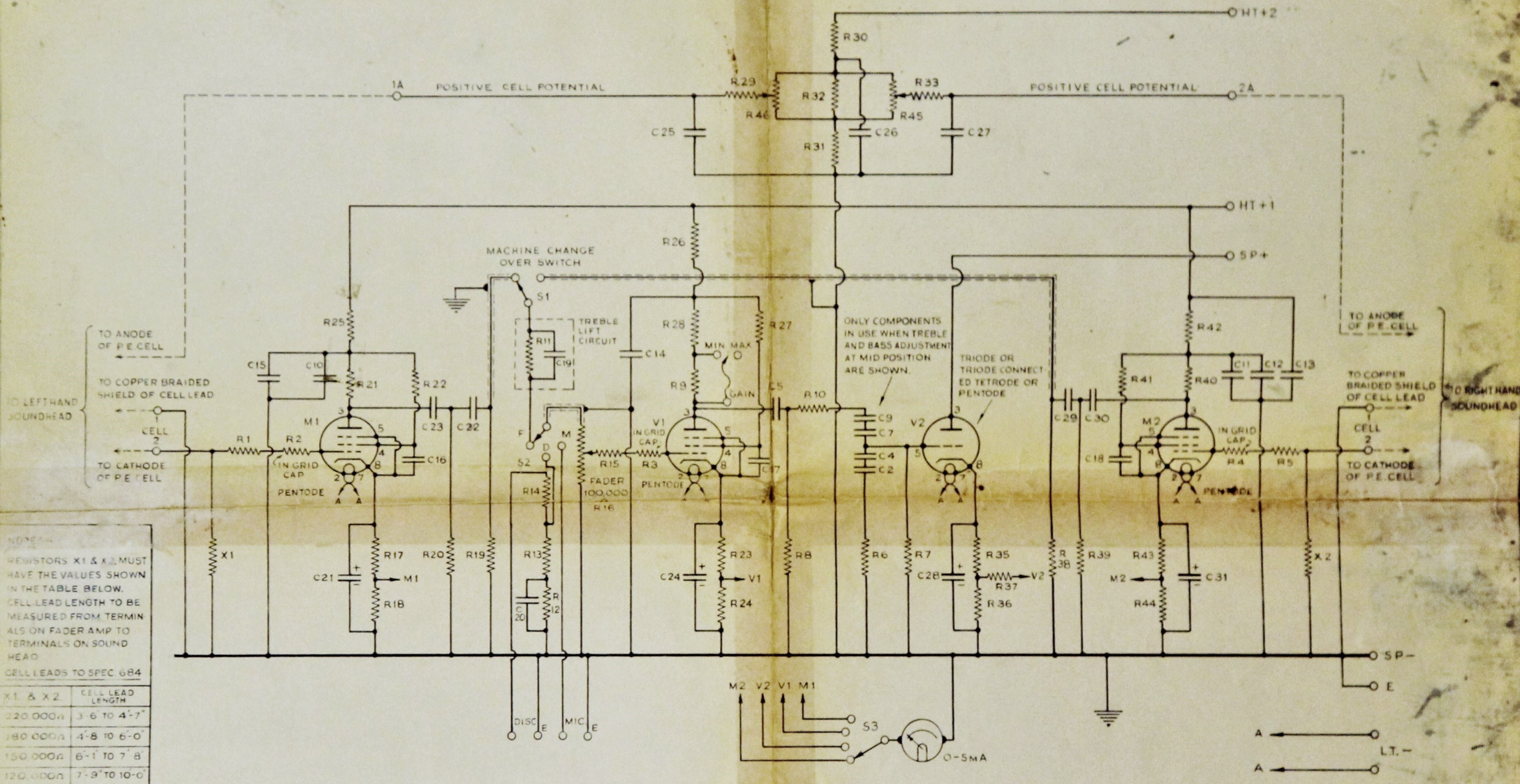




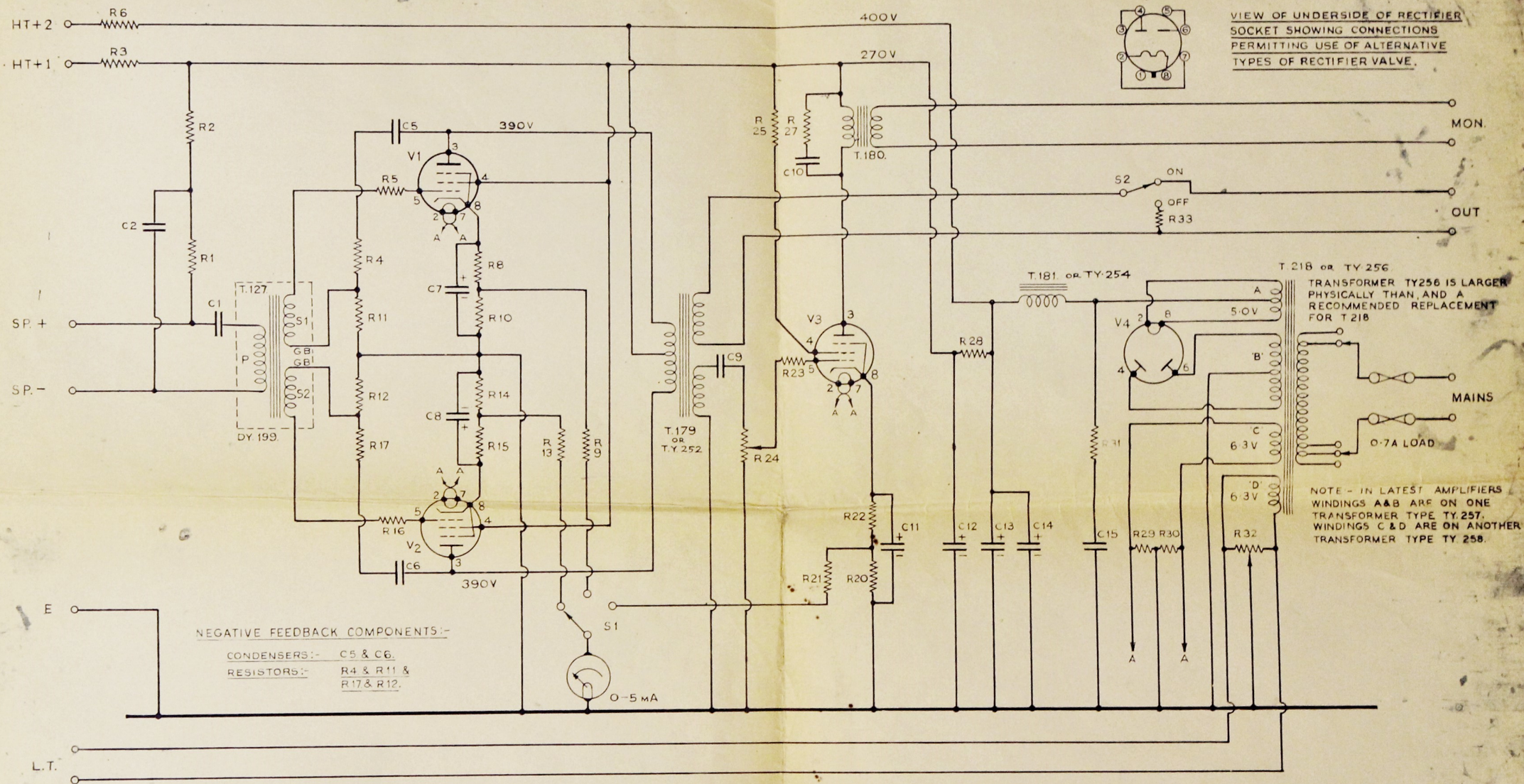
NOTE:-
RESISTORS X1 & X2 MUST HAVE THE VALUES SHOWN IN THE TABLE BELOW.
CELL LEAD LENGTH TO BE MEASURED FROM TERMINALS ON FADER AMP TO TERMINALS ON SOUND HEAD
CELL LEADS TO SPEC 684

X1 & X2	CELL LEAD LENGTH
220,000Ω	3'-6" TO 4'-7"
180,000Ω	4'-8" TO 6'-0"
150,000Ω	6'-1" TO 7'-8"
120,000Ω	7'-9" TO 10'-0"

1	1,000Ω	Nº8	R 15	1,000Ω	Nº8	R 29	470,000Ω	Nº8	R 43	1,000Ω	Nº8	C 7	0.01 μF	345	C 21	50 μF	12V	FW	S 1	MURHEAD 2A
2	4700Ω	Nº9	R 16	FADER DY.465R		R 30	4700Ω	Nº8	R 44	33Ω	Nº8	C 8	0.0003 μF	MW	C 22	0.05 μF	545			DZ 4657
3	4700Ω	Nº9	R 17	1,000Ω	Nº8	R 31	4700Ω	Nº8	R 45	100,000Ω	Nº8	C 9	0.01 μF	345	C 23	0.05 μF	545	S 2	PLESSEY T.5175	
4	4700Ω	Nº9	R 18	33Ω	Nº8	R 32	47000Ω	Nº8	R 46	100,000Ω	Nº8	C 10	2 μF	82	C 24	50 μF	12V	FW		DZ 4655
5	1,000Ω	Nº8	R 19	1MΩ	Nº8	R 33	470,000Ω	Nº8	X	120,000Ω	Nº8	C 11	2 μF	82	C 25	0.1 μF	545	S 3	PLESSEY T.5172	
6	220,000Ω ±10% Nº8		R 20	330,000Ω	Nº8	R 34				220,000Ω	Nº8	C 12	2 μF	82	C 26	0.5 μF	345			DZ 4656
7	2.2MΩ	Nº8	R 21	33,000Ω	1W	R 35	470Ω	Nº8		(SEE NOTE)		C 13	2 μF	82	C 27	0.1 μF	545			
8	470000Ω	Nº8	R 22	150,000Ω ±10% Nº8		R 36	33Ω	Nº8	C 1	0.0003 μF	MW	C 14	2 μF	82	C 28	50 μF	12V	FW	M1	6J7G, EF36 OR KTZ63
9	33,000Ω	1W	R 23	1,000Ω	Nº8	R 37	47Ω	Nº8	C 2	0.01 μF	345	C 15	2 μF	82	C 29	0.05 μF	545	M2	6J7G, EF36 OR KTZ63	
10	220,000Ω ±10% Nº8		R 24	47Ω	Nº8	R 38	1MΩ	Nº8	C 3	0.0003 μF	MW	C 16	0.25 μF	545	C 30	0.05 μF	545	V1	6J7G, EF36 OR KTZ63	
11	180,000Ω ±10% Nº8		R 25	22,000Ω	Nº8	R 39	330,000Ω	Nº8	C 4	0.01 μF	345	C 17	0.5 μF	345	C 31	50 μF	12V	FW	V2	6L6G OR EC31
12	33,000Ω	Nº8	R 26	15,000Ω	Nº8	R 40	33,000Ω	1W	C 5	0.01 μF	345	C 18	0.25 μF	545						
13	22,000Ω	Nº8	R 27	220,000Ω ±10% Nº8		R 41	150,000Ω ±10% Nº8		C 6	0.05 μF	545	C 19	0.0003 μF	MW						
14	100,000Ω	Nº8	R 28	22,000Ω	1W	R 42	22,000Ω	Nº8	C 7	0.0003 μF	MW	C 20	0.03 μF	345						

NOTE:-
RESISTOR TYPE NO 8 IS 1/2 WATT INSULATED.
RESISTOR TYPE NO 9 IS 1/4 WATT INSULATED.
MODIFICATIONS
R 11 WAS BETWEEN R 2 & R 15
DISC WAS TO JUNCTION R 15 & R 14
15 W. 46

TITLE: THEORETICAL CIRCUIT OF FADER AMPLIFIER S. 20. EQUIPMENT.	
DATE: 14.2.45	SPEC. NO.
DRAWN: L. AUDIGIER	PLATE NO.
TRACED: <i>LA</i>	DRG. NO.
CHECKED: <i>LA</i>	DPX. 4907
APPROVED: <i>LA</i>	
BRITISH ACOUSTIC FILMS LTD.	



V1. EL.35, 6L6G, OR KT.66.
V2.

V3. EL.35, 6L6G OR KT.66.

V4. U.52, 5U4G, 5X4G, 5V4G.

R 1	10,000n	1W	R 12	10,000n±5% NO.8	R 23	4,700n±10% NO.8	C 1	1.0μF	82	C 12	32 μF	809	S 1	5175
R 2	10,000n	1W	R 13	560n±10% NO.8	R 24	250,000n "C"	C 2	2 μF	82	C 13	16 μF	802	S 2	80637
R 3	4,700n	1W	R 14	18n±10% NO.8	R 25	100n NO.8	C 3			C 14	16 μF	802		
R 4	220,000n±5% NO.8	R 15	390n±10% 1020	R 26		C 4				C 15	0.1μF	2045		
R 5	4,700n NO.8	R 16	4,700n NO.8	R 27	6800n 1W	C 5	0.1μF	645						
R 6	33,000n 2W	R 17	220,000n±5% NO.8	R 28	1,500n AW3192	C 6	0.1μF	645						
R 7		R 18		R 29	47n NO.8	C 7	25 μF	25V°C						
R 8	390n±10% 1020	R 19		R 30	47n NO.8	C 8	25 μF	25V°C						
R 9	560n±10% NO.8	R 20	18n±10% NO.8	R 31	330n±10% NO.8	C 9	0.0005μF	MW.						
R 10	18n±10% NO.8	R 21	680n±10% NO.8	R 32	50n F.4	C 10	0.01μF	545						
R 11	10,000n±5% NO.8	R 22	270n±10% 1020	R 33	12n AW3112	C 11	25 μF	25V°C						

NOTE:-
RESISTOR TYPE NO.8 IS 1/2 WATT INSULATED.

MODIFICATIONS

TRANSFORMER T.179 WAS GIVEN AS T.129 4. OCT.45 J.R. ALTERNATIVES ADDED TO T.179, T.218 & T.181. 21/11/47 TRANSFORMER NOTES ADDED 15-8-46. E.B.

TITLE- THEORETICAL CIRCUIT OF
S.20. POWER AMPLIFIER.

DATE: 14.2.45 SPEC NO. 680.

DRAWN: L. AUDIGIER. PLATE NO.

TRACED: S. M. DRG. NO.

CHECKED: L. DPX. 4928.

APPROVED: L.

BRITISH ACOUSTIC MANUFACTURING CO. LTD.