E. 25

P. 1

Index Books
to Photographs
for Composites

women May 16 10¼ to 5

514
514
524
526
536
537

My own selection

514 519
524
526
530
537
534

Shrunken

also 19 this
Some type
but not very suitable to photo from

509
511
516
534 521

75 sec.
Exposure with morning gas
smallest stop N 2

fair complex but from bloated distorted features the mouth is bad. a strong eye.

My own selections

505 510
527
529
555
613

34 N. 1

Hair bad
blanket on hair

very good
the one with the brooch
rather prominent
Negative made from this

---

532 523
552
553
601
625

Hair decolorized N 3

blanket

very good
Negative made
from this

Short bristl
faces

522
531
535 561
542
554

N 5

3 Strong
men

105
131
161

Negative is to do.
[illegible]
[illegible] has been
some [illegible]

N 4

very typical strumous (Dr Mahomed)

Nos	
69	524
8	~~536~~ ~~ever too wide~~
8	539
12	540

stet

36 and 2 of these

N5a

N5b

37

very typical tubercular (Dr Mahomed)

5	517	
5	518	75 kec
6	520	
43	602	
62	608	

very good May 21 N6

38

13	~~532~~	~~not good~~ stet
20	538	
71	624	
wanting	555	
75	601	
44	616	

75 good rather weak & over exposed

N7

39

17	551
68	532
65	615
77	610
63	620
71	625

beautiful

N8

40

N6 N7 N8 combined into
a negative made from it N9
Positive made from this also N9
N7 rather spoils the above N42

N9
41

Hereditary taint strong (women)
selection 1 ~~67~~ 5 out of 8-m's 24

81	505 reverse this
80	510
79	527
I have not got this	555
43	602
44	615

a very good one indeed N10

47

Hereditary taint strong males

58	146
53	149
74	150
46	147
54	152 ← this was accidentally less full aperture

omit the other 5
(154 I have not got)

54	152
54	151
48	208
60	155

w. make a comparison but they are few.

very good but I think 152 is too prominent better do it again

I made a second allowing somewhat for the very different density of the negative it turned out fairly good

N12

49

48

very typical tuberculous males, D. M.

36	113
27	129
49	169
21	183
42	203
43	210

very good

50

~~17 others not taken~~
~~[illegible]~~

60	155
52	180
48	208
28	128
50	175
46	148

very good

51

6 others will not do.

London 2
Middlesex 1 ½
Surrey 3
Kent 2 ½

Hants 1 ½
Dorset 2
Wilts 1 ½
Somerset 1
Devonshire 1 (?)
Cornwall 1

Bucks 1 ½
Stafford ½
Oxford 1
Worcester ½
Gloucester 1
Hertford ½

Yorkshire 2
Durham 1 ½
Cumberland
Lancaster 3
Northumberland ½
Lincolnshire
Cardigan 1 ½

Irish 3

Inverness ½

Doubtful 21

List of old composites in hand

P = Pos N = Neg

P	VIII	2,4,6,7,9,10 (11) 10a	rather faint
P	VII	4 6 7 9 10 10a	very clear except the lower half of face a little too faint I have shaded off an ugly wrinkle
P	X	1 to 10	rather faint & not well adjusted but fair
P	VII	2 4 6 7 9 10 10a	bad ill adjusted but of interest to compare with some of the above
P	IX	4 5 7 8 9 12 13 15 16.	Ill adjusted month
D	X	1 to 10	ill adjusted month.

Chatham privates

Irish 2, 4, 20
London 1, 8 Middlesex 31
Surrey 3 5 19
Yorkshire 6, 36
~~South Wales~~ 1 7 – 11, 12, 16 18, 21, 29
Dorset 9 25 30
Wilts 10
Somerset 13
Durham 14
Lancaster 15 32 35
Oxford 17
Hants 22
Oxfordshire 23
Kent 24 26
Gloucester 27
Cardigan 28
Bucks 33
Cornwall 34
~~Yorkshire 36~~

Chatham privates RE.

London	1.8.	
Middlesex	(½ 12) .31	3, 8, 24, 26. ✓ a 52
Surrey	3, 5, 19	31 is not full face; 19 is wanting
Kent	(½ 12), 24. 26.	1 & 5 different type, 12 ditto
Hants	(½ 7) 22	
Dorset	9 .25.	7, 9 13 22 ✓ b 53
Wilts	(½ 7) 10	
Somerset	13	8 10 23 25 ✓ c 54
Devonshire	(18?) .23.	
Cornwall	34	
Hertford	(½ 11)	
Bucks	(½ 11) 33	
Oxford	17.	11 17 27 29 ✓ d 55
Gloucester	27.	33 different type
Worcester	29/2	
Stafford	29/2	
Lincolnshire	30/2	
Yorkshire	6 .36	excellent pair. 15 16 14.32 ✓ Durham type
Lancaster	15 32 35	libad e 56
Cumberland	30/2	6 30 35 36 to various
Durham	14	
Northumberland	16/2	
Cardigan —	28.	
Irish —	2, 4, 20	Cant make any thing of these I think
Inverness —	16/2	
Dunbartonshire	21	

— May 28. did a b c d e all with my own zinc diaphragm. I fear I did not allow sufficient exposure, a b c were 18×4 = 72 secs d was 25×4 = 100 secs, e was 35×4 = 140 secs — Suppose the diameter of the zinc be ½ that of smallest brass & that for Chatham size 60 secs was the best exposure, then I should have given 60×4 secs — (try 45×4 first)

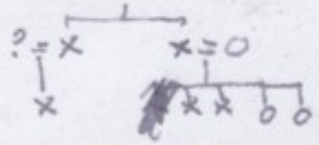
46½ 49

May 28. Developed a Co Cl (N) of the above ×, 57
& immediately made therefrom a (P) 58
10 sec. exposure
Zinc stop

The Cos 52, 53, 54 are alike, and different to 55, 56
therefore make one containing all the former, ~~×~~ in all.
viz ~~3 7, 8, 9, 10 13, 22, 23, 24, 25, 26~~ (8 appears in both 52 & 54)
{3, 7, 8, 9, 10, 13, 22, 23, 24, 25, 26.}
say 16 sec. each 16 × 11 = 176 sec = 3 minutes about

I did these on May 30
very good photo. 59
(mouth not very well adjusted)

Family Portraits
originals later by Mackie
of 8 individuals as shown here



Composites made partly by myself & partly by him working together, at Guy's hospital
Jan - /82 & Jan 25/82

~~FP. 1~~	No. of equal fractions of total time of exposure	To each of the fundamentals	Object
FP. 1	1	The whole 8	General
FP. 2	2 1	Father & his brother each of the 3 sons	Father's family likeness
FP. 3	2 1	each of the two daughters their mother	daughters family likeness
FP. 4	2 1	each of 2 sons & ~~their cousin~~ 2 daughters Father & mother	children family likeness

	Males	Females	
1	—	none	507
2	—	522	508
3	—	512	511
4	—	516	515
5	—	518	517
6	—	520	519
7	—	none	521
8	—	537	536
9	—	514	513
10	—	561	560
11	—	543	542
12	—	541	540
13	—	534	533
14	—	none	535
15	—	545	544
16	—	549	548
17	—	551	550
18	—	none	526
19	—	559	558
20	—	539	538

	Males.		Females
21	183	182	
22	173	172	
23	171	170	
24	141	140	
25	137	136	
26	139	138	
27	130	129	
28	128	127	
29	135	126	
30	125	124	
31	123	122	
32	121	120	
33	119	118	
34	117	116	
35	115	114	
36	112	113	
37	110	109a	
38	109b	108	
39	107	106	
40	103	102	

	Males.		Females
41	101	100	—
42	204	203	—
43	—	210	602 —
44			616 619
45	159	none	—
46	148	147	—
47	154	153	—
48	209	208	—
49	169	168	—
50	175	174	—
51	179	178	—
52	181	180	—
53	150	149	—
54	152	151	—
55	158	157	—
5			
56	206	205	—
57	202	201	—
58	146	105	—
59	163	162	—
60	broken off (none)	155	—

	Males		Females	
61			none	535
62			608	607
63			620	609
64			621	612
65			615	614
66			604	603
67	217	216		
68			532	531
69			524	523
70			553	552
71			625	624
72	132	131		
73	105	104		
74	161	160		
75		207	601	
76			555	554
77			610	613
78			529	530
79			527	528
80			[illegible]	[illegible]
80			519	510

	Males		Females	
61	—		none	525
62	—		608	607
63	—		620	609
64	—		621	612
65	—		615	614
66	—		604	603
67	217	216	—	
68	—		532	531
69	—		524	523
70	—		553	552
71	—		625	624
72	132	131	—	
73	105	104	—	
74	161	160	—	
75	—	207	601	—
76	—		555	554
77	—		610	613
78	—		529	530
79	—		527	528
~~80~~	~~—~~		~~509~~	~~510~~
80	—		509	510

	Males.	Females	
581	—	505	506
82			
83			
84			
85			
86			
87			
88			
89			
90			

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Index to Comparates.

September. 1881.

128	See Mr. Galton's book
129	
130	
131	
132	
133	
134	
135	
136	do
137	do
138	do
139	do
140	
141	
142	
143	
144	
145	
146	
~~146~~	
147	121, 184, 186, 193, 211 (Neg. 148, 128, 130, 179)
148	103, 106, 174, 185, 156 (Neg. 141, 142, 172, 129, 165)
149	100, 138, 142, 157, 164 (Neg. 144 156, 158, 165, 167)

Composites of Hotch potch female Phthisis:-

Co-composites of do. do.

Olla Podrida women, having narrow ovoids
do do
do do.

Number	
150	98, 34, 57, 92, 93,
151	307, 306, 305, 302, 303
152	301, 100, 99, 96, 97
153	94, 189, 90, 91, 188
154	82, 86, 87, 83, 84
155	80, 81, 78, 75, 76.
156	70, 74, 72, 73, 71.
157	77, 69, 68, 67, 66
158	65, 63, 62, 64, 61
159	60, 58, 59, 56, 55
160	54, 53, 50, 51, 52
161	48, 49, 46, 45, 44
162	43, 42, 41, 40, 39
163	37, 32, 35, 36, 33
164	30, 31, 26, 27, 25.
165	24, 23, 22, 21, 19
166	18, 15, 13, 12, 10
167	11, 7, 6, 5, 4
192	314, 315, 312, 313, 317.
193.	316 310, 311, 308, 304.

Hotch potch of males. without Phthisis.

do.
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do
do

168 101, 104, 120, 129, 160 (Neg. 41 (or 47?) 73, 32, 27, 100).
169 171, 183, 189, 192, 307. (Neg. 23, 21, 130, 106, 126).
170 172, 322, 334, 125, 148 (Neg. 22, 138, 150, 30, 46).
171 100, 106, 115, 123, 173, (Neg. 41, 39, 35, 31, 22).
172 197, 306, 316, 319, 108 (Neg. 122, 119, 157, 147, 38).
173 105, 131, 161, 193, 311, 321, 329, 336 (Neg. 73, 72, 74, 106,
174 146, 174, 187, 333. (Neg. 58, 50, 118, 153).
175 122, 142, 145, 164 (Neg. 31, 97, 58, 102)
176 101, 106, 112, 115, 120, 123, 127 (Neg. 41, 39 (?) 36, 35, 32, 31, 28, 26?)
177 128, 132, 157, 168, 171, 183, 181. (Neg. 28, 72, 55, 49, 23, 21, 52)
178 189, 197, 307, 310, 312, 316, 334 (Neg. 130, 122, 126, 150, 154, 157,
179 2, 6, 7, 9, 10, 11, 13, (Neg. 2, 6, 7, 9, 13, 16)
180 15, 20, 23, 24, 25, 28, 36 (Neg. 21, 25, 25, 26, 24 (?) 36 (?)).
181 47, 67, 74, 75, 81, 20 O.P., 212 O.P. (Neg. 46-47, 61, 64, 65,
182 204, 208, 229; 231, 236 (Neg. 42, 48, 127, 164, 160).
183 21, 30, 29 O.P. 215, 249 (Neg. 22, 24, 187, 178, 91)
184 29, 33, 39, 42, 48, 65 (Neg. 28, 31, (15, 38, 39), (39+41), 47, 64).
185 11, 12, 13, 9, 21, 23, 24 (Neg. 13, 13+15, 16, 9, 22, 25, 125).
186 47, 15, 55, 58, 60, 74, 29 (Neg. 46+47, 53, 55, 56+57, 64, 187-8)
187 212 O.P. 213 O.P. 229, 231, 237, 238, 242 (Neg. 190, 190, 127, 164,

188 Omitted
189 69, 56, 86, 72

118 212 129

	Narrow ovoid males, not bearded.	Brompton males.
	do	do
	do	do
	Narrow ovoid males, bearded	do
	do	do
54, 138, 140, 145	Strumous cases –	† do
	do	do
	do	do
28	Cases of severe disease.	do
	do	do
50	do	do
	Narrow ovoids	Guy's males
	do	do
6, 190	do	do
	do	Victoria Park males
	Strumous males	Guy's & Vict. Park
	do	Guy's males
	Severely ill	Guy's males
	do	do
10, 133, 92	do	do Vict. Park.
20	Narrow ovoids, emaciated.	Otta Fodida. Males.

190 84, 75, 59, 302 (Neg. 127, 122, 113, 137)
191 91, 92, 76, 90, 70 (Neg. 132 (?) 185, 122, 132, 119)
192 Vide supra
193 do –
194 Andaman skulls
195 Neg. of ditto.
196 16, 532, 538, 546, 548, 551, 581, 620, 601 (Neg. 9 imp. 76. 68. 20.
197 522, 518, 575, 631, 625, 923, (Neg. 2, 5, 115, 181, 70, 1~~44~~)
198 598, ~~[illegible]~~ 612, 610, ~~620~~, 533, 537, 578, 574, 575, 16, 14, 508
199 536, 626, 643, 633, 54, 629, 524, 628, 716, 597.
200
201 183, 139, 138, 137, 136, 141, ~~1~~ 140, 170, 172, 173.
202 171, 120, 121, 122, 123, 124, 125, 126, 135, 157
203 158, 109, 110, 112, 113, 114, 115, 116, 117, 108
204 109, 102, 103, 100, 101, 103, 104, 210, ~~106~~ 107, 106
205 147, 148, 153, 154, 209, 208, 168, 169, 174, 175
206 180, 181, 149, 150, 151, 152, 157, 158, 178, 179
207 216, 217, 162, 163, 145, 146, 201, 202, 205, 206
208 246, 247, 248, 249, 131, 132, 104, 105, 160, 161
209 194, 195, 164, 165, 166, 167, 142, 144, 241, 242
210 352, 353, 236, 237, 300, 301, 190, 191, 192, 193
211 313, 350, 196, 188, 306, 305, 187, 354, 189
312 326, 325, 307, 308, 229, 250, 314, 315, 197, 351

Narrow ovoids, fine features. Olla podrida males
do moustached do
Hotch potch males without phthisis.
do do.

94, 16, 17, 98, 63, 143. Narrow ovoid women (revised) c̄ Phthisis.
Delicate & pretty looking women c̄ Phthisis.
Neg. 163, 64, 77, 63, 13, 20, 103, 109, 115, 76, 75, 21. Severely ill women c̄ Phthisis
8 170 159 69 3 171 64 171 175 135 Amended Strumous women

Hotch potch of Phthisis - Males
do
do
do
do
do
do
do
do
do
do
do

313 328. 321. 322. 330. 331. 218. 336. 337. 319. 320

314 334. 335. 184. 176. 185. 186. 328. 329. 198. 199

315 309. 310. 360. 361. 311. 312. 333. 332. 323. 324

216 171. 189. 9. 23. 24. 200.2

216a. The same as 216 giving 171 (the preceding face) half length of

217 120. 307. 322. 25. 125. 47. 334

218 101. 104. 129. 172. 161. 321. 21. 30. 290.2. 215

219 100. 115. 108. 197. 306. 316. 319. 13. 106

220 193. 333. 122. 142. 164. 39. 42. 48. 65

221 (= 217 omitting 125. 25. 322) 120. 307. 47. 334

222 Co-composite of 216. 221

223 " 216a. 218. 221

224 " 216a ~~and~~ 218. 219. 221

225 216 and 219?

Hotch potch of Phthisis -- Males
do
do

"Refined Narrow ovoids". Revised Compos. from Gmy. Report plates.
extreme. Males

"Medium narrow ovoids" Males

"Low type narrow ovoids" Males. Strumous features, narrow ovoid outline.

"Bearded narrow ovoids".

"Strumous male".

"Revised medium narrow ovoid".

Co-composites -

168, 169, 170, 171, 172; 179; 180, 181, 182

173, 174, 175, 183, 184

176, 177, 178, 185, 186, 187

Narrow ovoids — Males

Strumous — Males

Severe disease — Males

Jews Nov 18/82 with wet facets partly. I.T.

300 Pos 13 14 15 17 19 (mottled from paint at back) see better adjustment 307

301 Pos 1 3 4 5 6

302 Pos 7 8 9 10 11

303 Pos Profile 1 7 8 11 13

304 Pos Profile 9 10 12 14 20 21

305 Neg of 301

306 Pos 16 18 20

307 Pos 13 14 17 19 21 22 The omitted adults are long after left adult Jew full face. 11 smirk

308 Pos Neg Co. Comp. of 301, 302, 306 contains 13 the plates were wet when I made it

309 ~~Pos~~ ~~of 308~~ Neg of 308.

310 ~~Pos~~ Neg of 302

311 Neg Co Comp of 301 302 306 from the dried glass composite, (allowing exposure proportionate to components of each.)

Nov 25/82

312 Pos. Jew boys profile . 3. 4, 7 13, 15

313 Pos Jew men (youth) profile adult 9. 10, 12, 14

314 Pos Jew boys profile 1, 2, 6, 11, 16

315 Pos Jew men (youth) full face adult 14, 17, 19, 21, 22 (* flawed negative berlin)

316 Neg Jew boys 313 & 314 side by side.

317 Neg Jew boys Co Comp 313 & 314

318 Neg Jew boys 313 - 314 side by side

1 2 3 4 ~~5~~ 6 7 8 9 10

Composites for Male plate.

Co-co-compos. O.P. & 4 co-compos. O.P.

Co-co compos. H.P. & Bath. & 4 co. comp. ditto

Co-compos. of & components. 168. 169, 170. 171, 172. 179. 180. 181. 182

Co-compos. & components 173, 174, 175, 183, 184

Co. compos & components 176, 177, 178, 185, 186, 187.

do do 189, 190, 191

For Female plate

2 Hotch potch O.P. women with 50 in each.
4 Hotch potch of phthisical women about 50 in each (as per card)
2 or 3 narrow ovoid women (if possible c̄ components) –
2 or 3 stumous women (do) – as per card
1 Severely ill woman ?
1 Narrow ovoid women O.P.

14.
14
14
42

For Male plate.

1 co-co-compos Hotch potch c̄ 4 hotch-potch of 25 each, O.P.
4 co-compos of 50 each, hotch-potch males c̄ phthisis
1 co-co. compos. of 200 do do
1 Co-compos of Narrow ovoid males c̄ its components
1 Co compos. of stumous males c̄ do
1 severely ill males c̄ phthisis (& components ?).
1 narrow ovoid O.P males c̄ components.

Female Plate Compos: O.P. 117. (140-146).
94, 95, 96, 139 (137, 138), (118-122).
196. 122.
199. 120
198. (147. 148. 149).

Francis Galton
42. Rutland Gate

Francis Galton
42. Rutland Gate

f. 1r

List of Photographs

I have ascertained, of the following number of contemplative portraits June 24/81
~~Males 279, Females 192, — Total 571~~

	Males	Females
Eugy	95	30
Vict Park	34	41
Brompton	{98 / 50}	{87 / 2}
	277	185

total 462 portraits

Number	P or N	reference if any		
1	N	see 5	M	Hotchpot Cl. ~~XVIIII~~ beg 21–39 excluding 37
2	N		M	Hotch. Cl. Cl. ~~XXVIII~~ 2–29
3	N		M	Hotch Cl Cl ~~XXIX~~ 30–58
4	N		M	Hotch Cl ~~XXXVI~~. beg 2–58, left 30–39
5	N	see 1	M	Hotch Cl XVIII 21–39 left 37
6	N		M	Hotch Cl. Cl. IVIIII (:) from all the V Compos 1–
7	N		M	Hotch Cl. LVIII, 2–58.
8	N	see 7	M	Hotch Cl LVII, 2–58 (doubly made)
9	N		M	Hotch Cl IX. 23–31
10	N		M	Hotch Cl IX 40–48
11	N		M	Hotch Cl VI. 58 59 60 61 62 64
12	N	see 22	M	Hotch Cl ~~IV~~ 59 60 61 62 64
13	N		M	? (see 27)
14	P	see 72.	F	Hotch Cl X 1–10
15	P		M	Hotch Cl VI 4 6 7 9 10 10a
16	P		M	Hotch Cl V. 18–22
17	P		M	Hotch Cl V. 23–28
18	P		M	Hotch Cl V 32–35
19	P		M	Hotch Cl V 40 43 45 46 47
20	P		M	Hotch Cl V 49–53
21	P		M	Hotch Cl V 54–58
22	P	see 12	M	Hotch Cl V 59 60 61 62 64

? later in tens

Prints

f. 25

poor & faint

much better than 2

poor & faint but very like both 2 & 3

good

not so good quite as 7

23	P		M	Hotch Co IX 2–10
24	P		M	Hotch Co XII 11–22
25	P		M	Hotch Co IX 23–31
26	P		M	Hotch Co X 30–39
27	P		M	Hotch Co X 40–49 rather faint & blackish
28	P		M	Hotch Co X 40–49 better than the above
29	P		M	Hotch Co VIII 51–58
30	P		M	Hotch Co Co LVIII 2–58
31	P		M	Hotch Co Co LVII 2–58
32	P		M	Hotch Co Co LVII 2–58 faint
33	P		M	Hotch Co IX ? which.
34	P	see 43F		Selected by myself VI. 505 510 527 529 555 613
35	P	see 44F		Selected by myself VI 523 532 552 553 601 625
36	P		F	Very typical stramous Selected by D.M. 524 536 539 540
37	P		F	as the above – a second trial
38	P		F	Very typical tubercular aspect D.M 517 518 520 602 608
39	P	see 41.	F	ditto ditto 532 538 624 601 616
40	P		F	ditto ditto 551 532 615 610 620–625
41	N		F	Combination of 38 39 & 40 being a Co-Co XV
42	P		F	a positive made from 41
43	N		F	negative from 34
44	N		F	negative from 35
45	P	see 68 & 71	M	Co XII tubercular aspect selected by myself 9 11 13 15 23 24 28 35 38 43 46–47

Thinnish face blunted outlines very good
Thinner than the above - blunted outlines very good

46	P	see 69	M	Co. IX Stramonis aspect selected by self (vis 22 29 30 33 41 42 44 45 48)
47	P		F	Hereditary taint strong ♂ Mn. V. 505 510 527 662 616
48	P		M	Hereditary taint strong ♂ Mn. " V. 146 149 160 147 152 (& fears 52 was barely tainted)
49	P		M	Repetition of the above with care about relation exposures
50	P	see 69	M	Very typical tubercular ♂ Mn. VI 113 129 169 183 203 210
51	P		M	" " " " VI 155 180 208 128 175 148.
52	P		M	Chatham privates RE IV. [3 8 24 26] Home Counties
53	P		M	" " " IV [7 9 13 22] Hants Wilts Dorset &c
54	P		M	" " " IV [8 10 23 25] Midland Counties (another group of Hants Wilts Dorset &c)
55	P		M	" " " IV [11 17 27 29] Midland Counties
56	P		M	" " " IV [15 16 14 32] Northern Counties Durham Lyke
57	N		M	" " " XX Co Co of the 5 groups above
58	P		M	" " " XX transposing from above negatives
59	N		M	" " " XX (not XII) (These in 52 53 54 excluding ♂ twice) made from 52 & 53 very good.
60	P	see 69 see 81	M	Chatham Officers XII (Queer as to the one & Darwin had 60 or 81)
61	N		M	Chatham Private XXX Co Composite.
62	N		M	Ditto ditto ditto
63	P		M	Chatham Privates VI. 3 4 5 6 7 8 very good
64	N	see 60	M	Chatham Officers XII (from 60) (& did this over again & replaced the first with: but a repeat on negative prints then it.)
65	N			Chatham Officers & privates XXI from 64 & 59 (& also did this once over again twice, as above)
66	P			Chatham & Consumptives N 7 + 57 or LVII + XX = LXXVII
67	N	see 46.		Negation from 46 of Stramonis
68	N	see 45		Negation from 45

very fair rather black & white

not good
not over good

69	N	Neg of 50	M	Very typical tubercular
70	N	Neg of 46	M	Stramon (selected by self-)
71	N	Neg of 45 a little better than 69	F	Stramon (selected by self)
72	N	Neg of 14	M	Hotd: C. (1–10)
73	Card	original	4 wafers	not composite
74	N	from 73	" "	
75	P		Composite of the 4 positions of 73.	both with 80 to print from
76	P		F 517 ~~528~~ 532 ~~536~~ 580 601	
77			F 533 ~~535~~ 584 626 627 ~~633~~	
78			F 520 ~~538~~ 578 608 602 ~~634~~	
79			F 551 574 581 618	
80			F ~~531~~ 610 615 616 620.	
		Omit these	F ~~534~~ (no negative) 555, 579, ~~583~~, 631.	
			F 518 538 602 unclaped	

Selected by Dr Mahomed as 'very typical tubercular' & the subsequent selection see Group selection 38. 39. 40 combination & co-comp 41.

~~81 P (see 80) To the xii Chatham Officers (scratched but the best)~~ This is numbered further on

81	P		F 542 544 548 601 great care	Hereditary taint strong IV
82	P		F 505 510 527 made with great care	III
83	P		F 520 524 541 602	Hereditary taint strong IV
84	P		F 545 551 610 616	IV
85	N		F Co Co of 81 82 83 84 Composites	
86	N		ditto to the above	
87	P	see 102	F 556 579 ~~583~~ 597 703 719 (neg 555 is lost)	Hereditary taint strong (Continued from before & over leaf) IV
88	P	see 103	F 503 508 575 711	

89 P strumous looking see 104 F 509 516 526 567 ~~714~~ 705 568 587 582 702 (II)
90 P strumous looking see 105 F 566 576 596 599 569 713 (VI)
91 P see 106 F 565 577 585 708 (IV)

Hereditary Cases strong, equivocal, tainted

92 P see 107 F 546 547 584 710 (Aquinity) 718 720 723 (VII)
93 P see 108 F 519 550 588 709 724 (V)

94 Co Comp. of Complete 87 88 92

94 N F B 82 83 84 91 93 = 20 } Max Hesman components
95 N F A 81 87 88 89 90 92 = 36
of these 89 90 Max Hesman = 15

96 P A+B F Co-composite of 94 & 95 giving 20 tainted & 36 tainted ok
97 N A+B F 96 reversed
98 N 81 reversed F 5a
99 N 82 " F 5b
100 N 83 " F 4b
101 N 84 " F 1b — 2nd one of these much best — 1st discarded.
102 N 87 " F 3a
103 N 88 " F 2a
104 89 " F 1.a
105 90 " F 6.a
106 91 " F 4b
107 92 " F 4a
108 93 " F 2b

negative Comp. of Hered. lay taint strong

All these composites Heredity taint strong have been very carefully made for illumination & adjustment. The growing too were sorted with much care the total numbers in

No. of composite.	contains components
81	4
82	3
83	4
84	4
87	6
88	4
89	9
90	6
91	4
92	7
93	5
11	56 averaging 5-6 each

Broad	No.	medium or like mg 6 lots	Mod. Hermans
87		81	83 bad sort
88		82	84
90	89		
82	90		

The time of labourers was regulated in exact ratio to the number of components in each composite

Pthisis Composites Females

F	XV	41	Very typical tubercular selected by Dr. Mahomed
M	XII	71	" " " selected by myself
M	XII	69	" " " " Dr. Mahomed
F	XV	86	Heredity taint strong first battle
F	XX	94	" " " all of thirteen tub-like Fg
F	~~XXVI~~	95	" " " all of Blantish tub like
F	LVI	97 (& 96)	" " " the whole lot

						No in each
			Female	Colla Podrida others than Phthisis (Sugi)	f. 61	
109	P		F	121 133 135 144 145 157 158 159 160		9
110	P		F	115 119 131 134 137 138 142		7
111	P		F	87 103 111 117 118 139 146 154		8
112	P		F	108 122 127 128 129 130 143 153 155		9
113	P		F	101 102 114 132 136 148 149 150 152		9
114	P		F	106 110 123 125		4
115	P		F	112 141 151 156		4
						50
116	P			a skull of the Andaman Females No.		
117	X		Co	composite of above 109–115		

118	Necrosis dent also.	511 536 626 633 637 643		6
119	Good	524 525 573 596 597 628 629 630 716		9
120	very good	567 587 608 641 713		5
121	Good	2, 522 538 543, 546, 548, 551, 552, 581, 601, 615, 620, 625, 631, 638,		15
122	good	508, 517, 553, 572, 578, 608, 623, 632, 634, 702, 707, 717		12
				47

Tabrendulid

f. 7r

Females

Otha Podrich 121 133 135 144 145 157 158 159 160 — 9

115 119 131 134 139 138 142 — 7

fat faced 87 103 111 117 118 139 146 154 — 8

" lek good 108 122 127 128 129 130 143 153 155 — 9

squarish 101 102 114 132 136 148 149 150. 152 — 9

oddsadish 106 110 123 125 — 4

" 112 141 151 156 — 4

50

Males Heredtary trend strong

105 185 303 354 371 — 5

126 149 155 311 329 — 5

147 151 152 154 239 357 — 6

167 184 305 309 321 330 337 — 7

102 104 108 197 208 312 — 6

100 109 125 160 316 328 — 6

35

130 308 315 ?60 m. from — 4

39

Females - Comely Strama (broad face)

Medium Strama x

Coarse Strama

Narrow ovoid with regular & delicate features.

Narrow ovoid of a low type

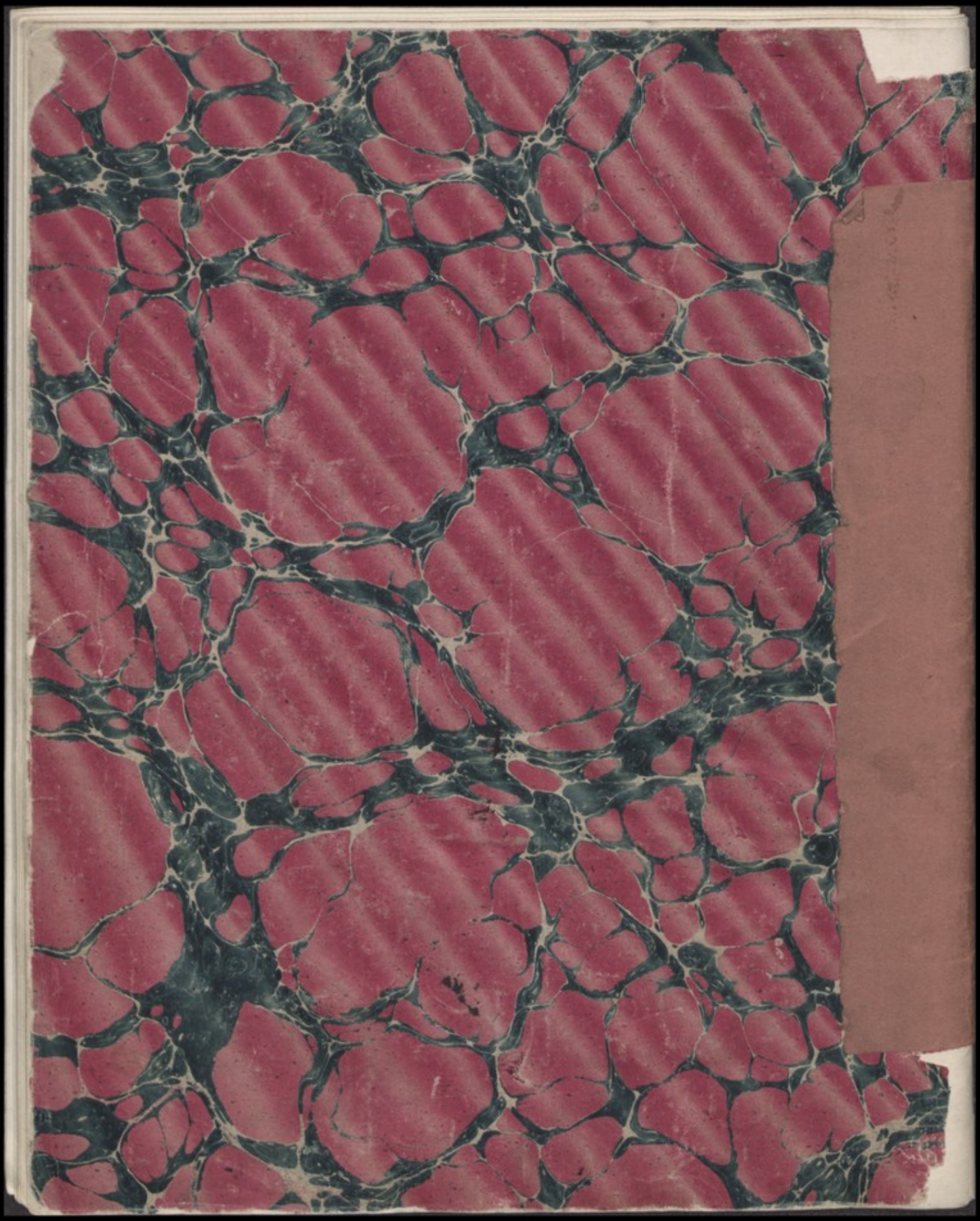
123	P	very weak	F	504 506 507 511 512 513 514	(Neg. 96, 81, 1, 3,
124		fair (good)	F	515 517 518 521 522 523 525	(Neg. 4, 5, 5, 7, 2,
125		very good	F	528 529 530 531 532 533 534	(Neg. 79, 78,
Skull		good			
126 ✓	P		a	~~581 586 598 603 604 (Neg 98 90 163 66~~	
127 ✓	P		b	~~607 608 609 611 612 613 614 (Neg. 62 62~~	
128 ✓	P		c	~~615 617 618 619 620 621 623 (Neg 65 99~~	
129 ✓	P		d		
130 ✓	P		e		
131 ✓	P		f		
132 ✓	P		g		
133 ✓	P		h		
134 ✓	P		i		
135 ✓	P		k		
136 ✓	P		l		
137 ✓			m	Co Cond	
138 ✓			n	Co Cond	
139 ✓			o	Co Cond	

3, 9, 9) hotch pot Phthisis females, to compare with
69, 61) - phthisical face already produced.
78, 68, 68, 13, 13)

~~66)~~
~~63 93 64 77 63)~~
~~99 44 63 64 (31)~~

126	P.		F	a.	535	536	537	538	539	540	543	Neg	14	8
127	P		F	b	549	552	533	558	559	560	561	Neg	16	70 70
128	P		F	c	567	568	570	571	572	573	574	Neg	111	111 83
129	P		F	d	578	580	581	586	598	603	604	Neg	103	116 98
130	P		F	e	607	608	609	611	612	613	614	Neg	62	62 63
131	P		F	f	615	617	618	619	620	621	623	Neg	65	99 99
132	P		F	g	624	625	626	627	628	629	630	Neg	71	71 170
133	P		F	h	631	632	633	634	637	638	640	Neg	181	158 169
134	P		F	i	641	642	643	644	645	646	647	Neg	101	168 159
135	P.		F	k	648	700	701	704	706	707	712	Neg	165	143 143
136	P		F	l.	714	715	716	717	721	725	726	Neg	177	177 175
137	N.		F	m										
138	N.		F	m										
139	N.		F	o										

8 20 20 12 11)	Hotch potch of Rhythmical fancies
19 19 10 10)	do
160 160 109 109)	do
90 163 66 66)	do
93 64 77 65)	do
44 63 64 131)	do
170 171 171 181)	do
169 172 172 101)	do
139 134 134 165)	do
173 151 151 161)	do
139 141 133 133)	do



Galton

Notes on Composite Photographs . . .

Notes on Composite
Photographs
Galton

July 11 1900

To convert F into G made reflections of 3 layers of tracing paper

F φ = the F on plain glass, F′ φ′ = the same with 3 layers tracing paper below — F″ φ″ is with 6 layers

φ = the negative of abt

Similarly G & γ

	negative	Positive on glass	Reg No
F	φ	F	~~#1~~
G	γ	G	#5 #3 #.11. I.1
F′ (F with 3 layers tracing paper)	φ′	F′	#3
G′ (G ")	γ′	G′	#7 ~~#4~~ #.12 I.2
F″ (F with 6 layers)	φ″		F 12
G″ (G ")	γ″		

$(G' + \varphi) + \gamma'$ — ought to give F′ on glass

1) $G' + \varphi$ — to be done — I.3

12 24 recs

ditto 12 12 — J.4

$G' + \varphi'$

$\{(G' + \varphi')^2 + F^2\}$ transformed F′ into G′ — I.7. — ~~F~~ skoilt I.6

$(F' + \gamma) + \varphi'$ — ought to give γ′ on glass

$F' + \gamma'$ — to be done

φ is done #3

instead of F' & G'

f. 1v

~~[illegible]~~

I.9 is a negative of g, so is H.12
K.5 is a positive of g taken in camera from I.9

F.12 is a negative f lighter tint than the others
K7 is a positive f taken from F.12

Originals
H.7 $+F_2$
I.8 $-F_2$
I.2 $+G_2$
I.9 $-G_2$

K_1 is a bad positive (edges trembled) of G superimposed on a negative of f

I.12 is a positive f superimposed on a negative G (looking opposite ways)

Test superimposed

K8 a paired couple $+g_2$ $+-g_2$
K9 a paired couple $+f_2 + (-f_2)$

K9 an associated couple $+g_2$ and $-f_2$
L.1. an associated couple $+f_2$ and $-g_2$
L.2 an associated couple $+f$ and $(2x-g)$
L4 " " " $+g$ and $(2x-f)$

twice g_2 once f_2 L2
twice f_2 once g_2 L4

M7 } two trials
M8 }
M9 F 20 secs G 20 secs

First real success,
M12 a successful G out of an F (M9 added to M1)
M1 ~~L.1.~~ L4 + an L
M2 L2 + L9
M5 F8 secs G 32 secs
M6 F20 secs G20 with F. M10 by self

July 12 / 1907

original F

neg F' } with 3 layers tracing paper below original F is done and is marked with register lines ⊙

from it pos F'₂₈ secs ⊙ I. 8

original G

negative G' } with 3 layers tracing paper behind original G is done & is marked with register lines ⊙

from it positive G'₂₈ secs ⊙ I 9

(pos G'₁₄ secs + neg F'₁₄ secs) = transformer F into G' = K negative ⊙ I. 10

(pos F₁₄ + neg G'₁₄ secs) = transforming G' into T' = L negative ⊙ I 11

K negative₂₄ + {pos G' + neg F'} + pos F'₁₂ yields G' positive ⊙ (No: F' A.F.B.? neg) I. 12.

L negative₂₄ + pos G'₁₂ yields F' positive ⊙ " " K. 1.

Obtain of all it right

positive K 28 secs ⊙ K. 2

positive L (neg F' + pos G') 28 secs ⊙ = (neg F' + pos G') K. 3

on stage of camera, film up neg. g. giving a pos g on glass K. 5

instead of F' & G' use f and g

Placing I 9 & K 3 face to face under the camera (negative g of G' & (pos g G' + neg f F')) K 4
I obtained K 4, which is pos F' / pos f

I 10 and K 2 } make a nearly uniform grey
(pos G' + neg F') (pos F' + neg G') / pos g + neg f pos f + neg g

K 4 strong a fresh positive g + neg f } superimposed on ~~H~~ 12 a negative f g } gives a bad pos f shewing some g too

---

Double films would be the most suitable – they would ~~be~~ equal for the slides.

No of plates

What is wanted for the operation are 2 or 3 shades ~~[illegible]~~ (1) (2) 3 of both f & g

12 { There an ample supply of material is given by 12 photos, out of which can be picked by trial one suitable pair (pos & neg) of f & g respectively
There are 9 pairs to be tried in each set of which only 1 pair is wanted – that pair must be –
(1) equal in operation (2) of medium strength of background
(3) themselves must be distinct { but dont get thrown away the rest they may serve later in transformation. } ? print by contact

Negative	positive	To be prepared as equal as possible to the negative positive
f_1 f_2 f_3	f_1 f_2 f_3	f_x f_y
g_1 g_2 g_3	g_1 g_2 g_3	g_w g_z

2 { From these make pos g + neg f and neg g + pos f } these are the transformers (or differences) of { f g

2 { the first + pos f shews pos g on a darkish ground
second + pos g shews pos f " ....

14 Total outfit 14 plates of which 4+2+2 = 8 are preserved.

July 14 recommenced with the Lunatics

boy pos
boy negative
Compo pos
Compos neg These are too 'plucky'

After Cambridge

July 20 N. 12 Pos × Neg in contact Pos prevents in print | Neg in reels

N 1 } one was a failure the other trouble about right exposure
N 2 }

N 3 Pos 40 Neg 30

N 4 Pos 30 secs Neg. 30 difficult to say which the form of face is clear

N 5 } Enlargement of Frank Butler
N 6 }

N 7 } negatives of the above in the Camera
N 8 }

Positive from N 4

		On slide	Developed print
F. G.	0.1	neg of smiling face pos: of glass	position of smiling face neg of glass
A.F.B	0.2	" "	" "

Dec 15 1900

Eva's faints toned a picture & with by a string & some fend

1 pos a
2 pos a
3 neg b
4 pos b
5 pos b - dark

obl. 1 4 3 t 6 m of 5 6
obl. 2 even parts 1 3 x 5 7
obl. 3 3 m of 3 t 6 of 5 8
obl. 4 2 of 3 t 8 of 5 9
obl. 5 2 of 3 t 12 of 5 10 best
obl. 6 even parts 3 x 4 11 still better

obliterations

~~obl. 1)~~

~~obl. 2) 3 x 5 even parts~~

obl 1 x 2 even parts ?

~~obl. 6 1 x 5 even parts~~

(1+2+3) transformed into a position "Cvd" 12

(2+3) Transformed "Tr" 13

3 stocks to give different tints 14

Can be altered on the next page.

Ron's pictures cleared clean with alterations from last page F.7r
Dec 15 1900

E.B

1 a = pos a
2 a' = neg a
3 b = pos b
4 b' = neg b
5 $b'_1(1)$ = pos b. dark

obliterations b'+b
6 4 minutes of b'_1 to 6 minutes of b obl 1
7 even parts of b'_1 and b obl 2
8 3 minutes of b'_1 to 6 minutes of b obl 3
9 2 of b'_1 to 8 " of b obl 4
10 2 of b'_1 to 12 of b obl 5

11 Even parts of $b'(1)$ and b obl 6

12 $\{a+a'+b'_1\}$ a converted "CVD" a
13 $a+b'_1$ the transformer Tr not good

~~14 Other attempts to obliterate the common features~~
14 a'+b a shade was in, to oblit: common features exactly. very good
15 a'+b timed corrections "
16 a'+b another trial "
others were taken but the above are the best

Prints made of
3 5 16 27 29

Dec 21 1900

f. 8

Crop threads in the faint toned picture (a A & B bridges)

1. Full exposure of the faint toned picture 12 secs
2. Repeated as a faint developed 10 secs.

3 a' with A 6 secs
4 a' with A 8 secs

5 b' with B 8 secs
6 b' with B 6 secs

7 b' (reversed) B (Br) 6 secs
8 " " 10 secs
9 " " 10 secs

also
10 a contact with a' (3) 13. a
11 b contact with b' (6) 14
15. br contact with br (8) 15

16 & 17

4+10 for obliteration (5) for 5 minutes (11) for 7 minutes } gummed both to obliterate

4 & 8 for composite (Equal exposure 7 min) 27 and its neg: 27'
5 + 13 for Analyt: (13) for 7 minutes (5) for 5 min (18) 10 sec & 12 sec
previously

4 + 26' for Converted 29 and

19. 5 & 8
20 7 3/4 5 3/4
21 equal mean
21 6 & 6 1/2 equal
25 } 7½ neg 8 pos
26 } neg 7½ pos
26' neg of 26

Dec 2/28 - 9 —

30 A and B rather ~~dark~~ faint
31 " " " ~~faint~~ dark
32 A. only.

filters all reversed from the above

APPLICATION OF COMPOSITE PHOTOGRAPHIC PORTRAITURE

TO THE PRODUCTION OF

IDEAL FAMILY LIKENESSES.

By FRANCIS GALTON, F.R.S.

SPECIMEN

OF A

Composite Photographic Portrait.

It is, of course, best that the individual portraits should be those of persons of the same sex, and nearly of the same age; but this specimen shows these conditions to be nowise essential.

This Portrait is composed of those of six members of the same family, viz., the father, mother, two sons, and two daughters.

The letter overleaf is addressed to Amateur Photographers, and contains a request for Photographic Portraits for the purpose of experiment.

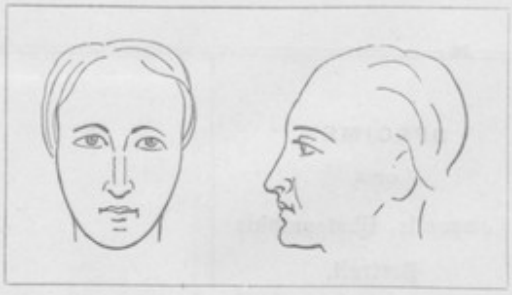
f. 1v

CIRCULAR LETTER.

THIS circular letter is written in the hope of persuading Amateur Photographers to make portraits of as many members of their family as are accessible, and in a particular way.

There are two reasons for doing so; the one wholly concerns themselves, the other concerns myself also.

As regards the first reason, I have insisted* upon the biographical interest that is sure to be attached hereafter to any series of photographs of the same person taken from time to time throughout life, especially if they have been made under conditions that admit of their being compared accurately together. I explained that those conditions consisted in all the portraits being similar in aspect and of adequate size, and with this view I proposed that plain photographic studies should be made of the full face and profile on a scale of about one-seventh of the original, or say four-tenths of an inch in vertical distance between the line of the pupils of the eyes and that between the lips. These would be in addition to, and not in substitution of, more artistically posed photographs. I urged that family registers should be kept, something in the same way as those on the blank pages of the old-fashioned family bible, but fuller, and including these full-face and profile likenesses as a new and conspicuous feature.



As regards the second reason, my interest in the matter lies in the hope that duplicates of these photographs may be sent to me, in which case they would afford the very material I am now in great need of, for further experiments on the scope of Composite Portraiture.† I am very desirous of learning whether or no the process is capable of bringing out family likenesses in the *opinion of friends of the family*. It is extremely tedious and costly for me to get the photographs that I want in any other way than through the voluntary co-operation of amateurs, and that is why I send this circular letter. What I need are prints of the portraits of individual members of any family. They may be males or females, and of any ages, but they must not be fewer than of four different persons. On their receipt I will do my best to make a good

---

* *Fortnightly Review*, January 1882, 'Photographic Chronicles from Youth to Age;' and March 1882, 'The Anthropometric Laboratory.'

† The process has been frequently described by me, and it has been modified since I first devised it in 1878. The following are the principal references:—

COMPOSITE PORTRAITURE.—*Nature*, May 23, 1878; *Journal Anthropological Institute*, 1878.

GENERIC IMAGES.—Lecture before the Royal Institution, Friday evening, April 25, 1879. (It is published in their Transactions, with autotype illustrations.)

COMPOSITE PORTRAITURE (my present method).—*Journal of the Photographic Society*, June 1881. (This was reprinted in the *Photographic News* and in the *Photographic Journal*.)

PHYSIOGNOMY OF PHTHISIS BY THE METHOD OF COMPOSITE PORTRAITURE.—'Guy's Hospital Reports,' 1881, with numerous autotype illustrations.

Specimens of the process have been exhibited on many occasions, as at a lecture I gave before the British Association at Swansea, 1880, and most recently at the Photographic Loan Collection, February 1882, at the Society of Arts, and by Captain Abney at the close of his Cantor Lectures on that occasion.

composite of them, for presentation in return, but I can only do so under the following conditions :—

1. The set of portraits must be all *absolutely* in full face, looking straight at the camera just above the lens. Or they must be all *absolutely* in profile, with the eyes directed straight forward along their own level.

2. The light must fall from the same direction in every case; it is best that the sitters should occupy successively the same seat.

3. The portraits, of which the head alone is used, must be of about the size of the sketches in the previous page, that is, a little more than an inch from the chin to the top of the head.

The photographs need not be exactly of the same size, as I have means of reducing or enlarging while the images are being adjusted.

It is not at all necessary that the photographs should be unblemished, nor that they should be very good ones, because individual blemishes disappear in the blended result. It is, however, important that they should be forcible, and well contrasted in light and shade. The prints should be rough (not pressed) and unmounted.

The three conditions are, however, essential, because if the portraits differ in aspect the composite will be blurred; if the shadows fall differently they will be mixed up with the lights, and the composite will be ineffective—it will be like a portrait taken in cross lights; if the photographs are too small the difficulties of adjustment are greatly increased, and success is uncertain. Attention being given to these remarks, any amateur photographer will be able to furnish as good materials as I care to work with. The composite is invariably softer and more regular than any of the components. All my own photographs have been made on quarter plates in a repeating back, and I take one portrait on one half of the plate and another portrait on the other. There is no want of room on the plate.

Another point is this. It takes me a full hour to make a single composite, and much strained attention while engaged in the adjustments. I, therefore, could not undertake to deal with an unlimited supply of material, but I have little doubt of being able to utilise as much as I am likely to get. The photographs ought to be sent *soon* to my address as below, as I do not expect to be able to attend to photographic work after the middle of June.

As regards the use to be made of the results, I should feel myself at liberty to exhibit or publish any of the composites, *but not the individual portraits, and still less the names*, without permission specially asked for and granted. I should keep the individual portraits for my own purposes of comparison, and I should present the family in return with a rough print of the composite, and with the negative, too, if they desired it, and should await their opinion of its merits as a family likeness with great interest.

FRANCIS GALTON.

42, RUTLAND GATE,
LONDON, *March*, 1882.

		Age		
	1	19·6	English London.	These two are on one plate
	2	21·0	Irish	
	3	19·0	English Sussex	
2	4	20·5	Irish. Mayo.	Unless otherwise stated both parents come from the country and County named
5/1	5	21·4	English Sussex	
5/2	6	19·3	English Yorkshire	
6/1	7	20·11	? English Hants. Wilts Doubtful	
6/2	8	18·2	English London.	
~~7/1~~		~~19·11~~	~~English Wilts~~	
7/1	9	20·0	English Dorset.	
7/2	10	19·11.	English Wilts.	
8/1	11	22·0	English m. Hertford. f Bucks.	
8/2	12	25·3	English m Middlesex f Kent.	
9/1	13	19·0	English Wells	
9/2	14	22·6	English Durham.	
10/1	15	23·7	English Lancaster	
10/2	16	21·3	— m Northumberland f Sussex.	
11/1	17	24·5	English Oxford.	
11/2	18	18·6	? English Devonshire doubtful	
12/1	19	18·11	English Sussex.	
✓ 12/2	20	19·2	Irish Londonderry.	
✓ 13/1	21	19·7	doubtful	
13/2	22	19·2	English Hants.	Much reliance cannot be placed on the ages given
14/1	23	19·0	English Devonshire	
14/2	24	19·7	English Kent.	
15/1	25	20·1	English Dorsetshire.	
15/2	26	23·7	English Kent.	
16/1	27	22·9.	English Gloucester.	
✓ 16/2	28	20·9	Welsh. Cardigan.	
17/1	29	22·3	English m. Stafford. f Worcester.	
17/2	30	20·1	English m. Grantham f Cumberland.	
18/1	31	18·1	English Middlesex	
18/2	32	18·6	English Lancashire.	

otlr

9/1	33	18·9	English.	Bucks
19/2	34	21·6	English	Cornwall
20/1	35	21·9	English	Lancashire.
20/2	36	24·3	English	Yorkshire.

LD

AF 3

Olga Podzidaq zet to the done

on photograph	paper ticket		on photograph	paper ticket		on photograph	paper ticket	
140	157	✓	113	✓ 145		165	121	✓
162	167	✓ 140	169	✓ 170		166	123	✓
171	204	✓	194	✓ [illegible] 179		172	171	✓
187	~~176~~ [illegible]	✓	196	✓ 180		173	124	✓ 146
188	131	✓	200	✓ 184		186	130	✓
203	~~186~~ [illegible]	✓	206	✓ ~~183~~ 136		~~202~~	182	✓
204	183	✓	175	✓ 172		310	191	✓
				143				
181	~~126~~	✓	104	✓ 141				
184	~~128~~	✓ 141	105	✓ 142				
189	~~181~~ 177	✓	109	✓ 143				
190	[illegible]	✓	163	✓ 168	144			
193	179	✓	164	✓ 168				
195	180	✓	168	✓ 169				
197	181	✓	179	✓ 170				
			✓ 147	✓ 196				
107	87	✓ ✓	~~117~~	~~147~~				
124	150	✓ ✓	✓ 177	✓ 173				
161	167	✓ ✓	✓ 178	✓ 174				
174	173	✓ 147	✓ 192	✓ ~~175~~ 178	145			
182	~~175~~ 175 [illegible]	✓ ✓	✓ 198	✓ ~~176~~ 181				
183	175	✓ ✓	✓ 199	~~177~~ 184				
191	178	✓	✓ 205	~~130~~ 183				

Recorded Number Positive	Neg	Sent	Composites sent ready to be made from or to enlarge
45	68	68	fine featured
50	69	69	
	41	yes	
46	70	70	coarse featured
14	72	72	
	94	yes	xx hereditary taint strong
	95	yes	xxxvi
96	97	97	LVI
	117	yes	4. (50) other diseases
118	118'	both	freely strumous

(1)

1

Female Olla Podrodas yet to be done

There are an that remain done. They are sorted in groups of moderate resemblance

Photographs number	paper ticket			Photographs number	paper ticket			Photographs number	paper ticket
140	157	✓		113	145			165	121
162	167	✓ 112		169	170	143		166	123
171	204	✓ 117	140	175	172			172	171
187	176	✓		194	179			173	124
188	131	✓ 175		196	180			186	130
203	186	✓		200	184			202	182
204	183			206	136			310	191

2

146

181	126	✓		104	141		
184	128	✓		105	142		
189	177	✓	141	109	143		
190	177	✓		163	168	144	
193	179	✓		164	168		
195	180	✓		168	169		
197	181	✓		179	170		

107	87			147	196		
124	150			177	173		
161	167		142	178	174	145	
174	172			192	178		
182	175			198	181		
183	175			199	184		
191	178			205	183		

Phthisis yet to be done. (Notchbook)

3

N°	Paper ticket		N°	Paper ticket	see box	N°	Paper ticket	see box
504	96		535	14		578	103	
506	81		536	8	1	580	116	1
507	1		537	8	126	581	98	129
511	3	123	538	20	a	586	90	
512	3	done	539	20		598	163	
513	9		540	12		603	66	
514	9		543	11		604	66	
515	4		549	16	125	607	62	~~128~~
517	5		552	70		608	62	130
518	5	124	553	70	1	609	63	
521	7	done	558	19	b	611	93	c
522	2		559	19		612	64	
523	69		560	10		613	77	
525	61		561	10		614	65	
528	79		567	111	128	615	6[illegible]	~~129~~
529	78		568	111		617	99	2
530	78	125	570	83		618	99	131
531	68	done	571	160	e	619	44	f
532	68		572	160		620	63	
533	13		573	109		621	64	
534	13		574	109		623	131	

Phthisis. yet to be done (Hotch pot) 3

No.	Paper Ticket	Section	No.	Paper Ticket	Section
624	71	132	648	165	135
625	71	2	700	143	
626	170		701	143	
627	170	3	704	173	K
628	171		706	154	
629	171		707	151	
630	181		712	161	
631	181	133	714	177	136
632	158		715	177	
633	169		716	175	3
634	169		717	139	
637	172		721	141	
638	172		725	155	
640	101		726	155	
641	101	134	729	146	
642	168	3			
643	159				
644	159				
645	134				
646	134				
647	165				

109 Olla Podrida female

Jewils Woodward	Napier
121	148
133	154
135	155
144	159
145	160
157	165
158	166
159	166
160	167

done

7 secs Pad = 63 Total

2

Olla podrida females

for 112	108	143
	122	149
	127	151
8	128	94
8 secs Pad = 63	129	152
	130	none
	143	159
	153	163
8	155	164

done

Olla Pod. Female.

110	115	146
	119	90
	131	153
	134	154
9 secs = 63 Total	137	156
	138	156
	142	158

done

for 111	87	130
	103	141
	111	144
8	117	147
8 secs = 64	139	157
	146	160
	154	164

done

113		
	101	140
	102	140
	114	146
7 secs Pad = 63	132	153
	136	~~152~~ 155
	148	161
	149	161
	150	162
	152	163

done

for 114	106	142
15 secs Pad	110	144
	123	149
4	125	150

done

for 115		
15 secs Pad	112	145
	141	158
	151	162
4	156	165

done

500 –	530 78	560 10	590	620 63	650	680
501 95	531 68	561 10	591	621 64	651	681
502 –	532 68	562 –	592	622 –	652	682
503 124	533 13	563 –	593	623 131	653	683
504 96	534 13	564 –	594	624 71	654	684
505 81	535 14	565 95	595	625 71	655	685
506 81	536 8	566 166	596 135	626 170	656	686
507 1	537 8	567 111	597 135	627 170	657	687
508 2	538 20	568 111	598 163	628 171	658	688
509 80	539 20	569 83	599 163	629 171	659	689
510 80	540 12	570 83	600 75	630 181	660	690
511 3	541 12	571 160	601 75	631 181	661	691
512 3	542 11	572 160	602 43	632 158	662	692
513 9	543 11	573 109	603 66	633 169	663	693
514 9	544 15	574 109	604 66	634 169	664	694
515 4	545 15	575 115	605 –	635 –	665	695
516 4	546 94	576 105	606 –	636 –	666	696
517 5	547 94	577 103	607 62	637 172	667	697
518 5	548 16	578 103	608 62	638 172	668	698
519 6	549 16	579 116	609 63	639 –	669	699
520 6	550 17	580 116	610 77	640 101	670	
521 7	551 17	581 98	611 93	641 101	671	
522 2	552 70	582 98	612 64	642 168	672	
523 69	553 70	583 114	613 77	643 159	673	
524 69	554	584 114	614 65	644 159	674	
525 61	555	585 90	615 65	645 134	675	
526 18	556 115	586 90	616 44	646 134	676	
527 79	557 105	587 112	617 99	647 165	677	
528 79	558 19	588 123	618 99	648 165	678	
529 78	559 19	589 123	619 44	649 –	679	

700	143	730	760	790
701	143	731	761	1
702	142	732	762	2
703	142	733	763	3
704	173	734	764	4
705	173	735	765	5
706	151	736	766	6
707	151	737	767	7
708	176	738	768	8
709	176	739	769	9
710	174	740	770	
711	174	741	771	
712	161	742	772	
713	161	743	773	
714	177	744	774	
715	177	745	775	
716	175	746	776	
717	139	747	777	
718	139	748	778	
719	136	749	779	
720	136	750	780	
721	141	751	781	
722	141 omitted	752	782	
723	144	753	783	
724	144	754	784	
725	155	755	785	
726	155	756	786	
727	146	757	787	
728		758	788	
729		759	789	

Emil Otto Popitz v. Thüri

180		210		230		260		290		320		350	
1	~~126~~ 126	1											
2	175	2	190										
3	175	3	190										
4	~~126~~ 128	4											
5	~~129~~ 129	5											
6	~~130~~ 130	6											
7	176	7											
8	176	8											
9	177	9											
190	177	220		240		270		300		330		360	
1	178	1						301	136				
2	178	2						302	137				
3	179	3						303	137				
4	179	4						304					
5	180	5						305	138				
6	180	6						306	138				
7	181	7						307	139				
8	181	8						308	195				
9	184	9						309	195				
200	184	220		250		280		310	191	340		370	
1	182	1						311					
2	182	2											
3	186	3											
4	183	4											
5	~~126~~ 183	5											
6	~~[illegible]~~ 130	6											
7		7											
8		8											
9		9											

100	41	130	27	160	74	190	108	220	—	250	107	280							
101	41	131	72	161	74	191	108	221	167	251		281							
102	40	132	72	162	59	192	106	222		252		282							
103	40	133		163	59	193	106	223		253		283							
104	73	134		164	102	194	104	224		254		284							
105	73	135	29	165	102	195	104	225		255		285							
106	39	136	25	166	100	196	120	226		256		286							
107	39	137	25	167	100	197	122	227		257		287							
108	38	138	26	168	49	198	152	228		258		288							
109	38	139	26	169	49	199	152	229	127	259		289							
110	37	140	24	170	23	200	—	230	164	260		290							
111		141	24	171	23	201	57	231	164	261		291							
112	36	142	97	172	22	202	57	232	—	262		292							
113	36	143	—	173	22	203	42	233	—	263		293							
114	35	144	97	174	50	204	42	234	162	264		294							
115	35	145	58	175	50	205	56	235	162	265		295							
116	34	146	58	176	149	206	56	236	110	266		296							
117	34	147	46	177	129	207	75	237	110	267		297							
118	33	148	46	178	51	208	48	238	133	268		298							
119	33	149	53	179	51	209	48	239	133	269		299							
120	32	150	53	180	52	210	43	240	—	270		300							
121	32	151	54	181	52	211	93	241	92	271									
122	31	152	54	182	21	212	—	242	92	272									
123	31	153	47	183	21	213	—	243	—	273									
124	30	154	47	184	149	214	178	244	—	274									
125	30	155	60	185	148	215	178	245	—	275									
126	29	156		186	148	216	67	246	82	276									
127	28	157	55	187	118	217	67	247	82	277									
128	28	158	55	188	120	218	132	248	91	278									
129	27	159	45	189	130	219	167	249	91	279									

300	113	330	137	360	~~101~~ 182	390	420	450	480
301	113	331	137	361	~~101~~ 182	391	1	1	1
302	—	332	153	362		392	2	2	2
303	183	333	153	363		393	3	3	3
304	183	334	150	364		394	4	4	4
305	119	335	150	365		395	5	5	5
306	119	336	145	366		396	6	6	6
307	126	337	145	367		397	7	7	7
308	126	338	—	368		398	8	8	8
309	180	339	156	369		399	9	9	9

310	180	340	370	400	430	460	490
311	154	341	371	1	1	1	1
312	154	342	372	2	2	2	2
313	~~101~~ 360 bis 101	343	373	3	3	3	3
314	128 361 bis 101	344	374	4	4	4	4
315	128	345	375	5	5	5	5
316	157	346	376	6	6	6	6
317	157	347	377	7	7	7	7
318	—	348	378	8	8	8	8
319	147	349	379	9	9	9	9

320	147	350	121	380	410	440	470
321	138	351	122	381	1	1	1
322	138	352	117	382	2	2	2
323	179	353	117	383	3	3	3
324	179	354	118	384	4	4	4
325	125	355	84.	385	5	5	5
326	125	356	85.	386	6	6	6
327	—	357	86.	387	7	7	7
328	140	358	87.	388	8	8	8
329	140	359	88.	389	9	9	9

1	87	30	100	60		90	132	120		150	162	180	
2		31	100 (Fig 6)	61		91	132	121	148	151	162	181	126
3		32	101	62		92	185	122	149	152	163	182	
4	88	33	101	63	115	93	185	123	149	153	163	183	
5	89	34	193	64	116	94	133	124	150	154	164	184	128
6	89	35	102	65	116	95	133	125	150	155	164	185	129
7	90	36	102	66	117	96	134	126	151	156	165	186	130
8	91	37	103 194	67	117	97		127	151	157	165	187	
9	91	38	103	68	118	98	194	128	94	158	166	188	131
10		39	104	69	118	99	135	129	152	159	166	189	131
10	92												
11	92	40	104	70	119	100	135	130	152	160	167	190	
12	93	41	105	71	119	101	140	131	153	161	167	191	
13	93	42	105	72	120	102	140	132	153	162	112	192	
14		43	106	73	120	103	141	133	154	163	168	193	
15	94	44	106	74	121	104	141	134	154	164	168	194	
16		45	107	75	122	105	142	135	155	165	121	195	
17		46		76	122	106	142	136	155	166	123	196	
18	95	47		77	123	107	87	137	156	167	169	197	
19	95	48	108	78	124	108	143	138	156	168	169	198	
		49	108	79		109	143	139	157	169	170	199	
20	96												
21	96	50	109	80	125	110	144	140	157	170	170	200	
22	97	51	109	81	193 125	111	144	141	158	171	171	201	
23	97	52	110	82	126 192	112	145	142	158	172	171	202	
24	98	53	110	83	127	113	145	143	159	173	124	203	
25	98	54	111	84	127	114	146	144	159	174	172	204	
26	99	55	111	85	128	115	146	145	160	175	172	205	
27	99	56	112	86	129	116	147	146	160	176	173	206	
28	188 189	57	192	87	130	117	147	147	196	177	173	207	
29	187 188	58	113	88		118	88	148	161	178	174	208	
		59	113	89		119	90	149	161	179	174	209	