DR. FARR'S HEALTHY LIFE TABLE.

To the Editor of the Assurance Magazine.

SIR,—I forward to you D, N, and S, computed from Dr. Farr's Healthy Life Table, to enable Actuaries to compare it with other tables.

I have not added any numerical comparisons; but my own opinion, at present, is, that Dr. Farr's Table is about as much an advance on the Carlisle Table at that was on the Northampton. But whether the Assurance Offices will adopt it, is another question. As regards the law of mortality, I may mention that there is a remarkable table by Brune, derived from the Prussian returns made during a long course of years, which, on account of the well-known care exercised, well deserves attention.

I am, Sir, &c., &c.,

WM. DAVIS.

22, *Grove Place, St. John's Wood.*
May 13*th*, 1861.

* This equation may be established as follows:—The yearly interest of £1 being £i, it is obvious that £1 is equal in value to an annuity of £i for any term and an assurance of $1+i$ at the end of that term: so £1 is equal in value to a temporary annuity of £i on the life of y, together with a temporary assurance of $1+i$ on y, together with an endowment of £1 at end of t years if y is then alive; which is exactly what is expressed by the equation in question.

Dr. Farr's Healthy English Life Table (3 *per Cent.*).

Yrs	D.	N.	S.	Yrs	D.	N.	S.
0	100000 00	2132532·64	47235926 60	54	10985·94	149055·44	1576768·50
1	87092·22	2045440·42	45103394 44	55	10508·93	138546·51	1427713·06
2	81723·05	1963717 37	43057954·50	56	10046·20	128500·31	1289166·55
3	77617 74	1886099·63	41094237·61	57	9597·25	118903·06	1160666 24
4	74197·54	1811902·09	39208138·46	58	9156·69	109746·37	1041763·18
5	71129 85	1740772 24	37396236·85	59	8722 896	101023·47	932016·81
6	68348 75	1672423·49	35655465 09	60	8292·31	92731·16	830993·34
7	65803·49	1606620·00	33983042·08	61	7865·72	84865·44	738262·18
8	63448·77	1543171·23	32376422·56	62	7443·82	77421·62	653396·74
9	61248·94	1481922 29	30833251·81	63	7028·44	70393·18	675975·12
10	59174·06	1422748 23	29351330·00	64	6618·85	63774·33	505581·94
11	57199·86	1365548 37	27928582·25	65	6216·71	57557·62	441807·61
12	55306·59	1310241 78	26563034·36	66	5822·27	51735·35	384249·99
13	53478·51	1256763·27	25252793·06	67	5435·88	46299·47	332514·64
14	51704·04	1205059·23	23996030 27	68	5058·07	41241·40	286215·17
15	48973 66	1156085 57	22790971·52	69	4688·96	36552·44	244973·77
16	48285·45	1107800 12	21634886·43	70	4329·21	32223·23	208421·33
17	46624 99	1061175·13	20527086·79	71	3979 35	28243 88	176198·10
18	45002·35	1016172 78	19465912·14	72	3640·11	24603 77	147954 22
19	43412 45	972760·33	18449739·84	73	3311·90	21291·87	123350·45
20	41857·88	930902 45	17476979·99	74	2996 21	18295·66	102058·58
21	40341·99	890560·46	16546078·02	75	2693·23	15602·43	83762 92
22	38873·69	851686·77	15655517·56	76	2404·19	13198·24	68160·49
23	37452·11	814234·66	14803830 79	77	2130·13	11068·11	54962·25
24	36077·53	778157·13	13989596 13	78	1872 07	9196·04	43894·14
25	34748·19	743408·94	13211439 00	79	1630·62	7565·42	34698·10
26	33463 25	709945·69	12468030·06	80	1406 91	6158·510	27132·68
27	32222·73	677722 96	11758084·37	81	1201 44	4957·070	20974·17
28	31025·00	646697 96	11080361·41	82	1014·70	3942·373	16017·10
29	29868·87	616829 09	10433663·45	83	846·865	3095·508	12074·727
30	28753·36	588075·73	9816834·36	84	697·703	2397·805	8979·219
31	27644·31	560431·42	9228758 63	85	567·281	1830·672	6581·414
32	26637 98	533793 44	8668327·21	86	454·281	1376·391	4750·742
33	25636 26	508157·18	8134533·77	87	358·219	1018·172	3374 351
34	24669·58	483487·60	7626376·59	88	277·837	740 335	2356 179
35	23737·40	459750·20	7142888·99	89	211·755	528 580	1615·844
36	22838·03	436912·17	6683138·79	90	158·387	370·193	1087·264
37	21970·50	414941·67	6246226·62	91	116·094	254 099	717·071
38	21132·86	393808·81	5831284·95	92	83 448	170·651	462·972
39	20324 68	373484·13	5437476·14	93	58 6183	112·033	292 322
40	19544·94	353939·19	5063992·01	94	40·1978	71·835	180·289
41	18791·63	335147·56	4710052 82	95	26 9028	44 932	108·454
42	18064·28	317083 28	4374905 26	96	17·5690	27·363	63·522
43	17361·38	299721·90	4057821·98	97	11·1440	16·2193	36·159
44	16681·93	283039·97	3758100·08	98	6·9002	9 3191	19·9396
45	16025·51	267014·46	3475060·11	99	4 12673	5·19237	10·6205
46	15390·32	251624·14	3208045·65	100	2·39351	2 79886	5 42813
47	14776 06	236848 08	2956421·51	101	1·36397	1·43489	2·62927
48	14181·35	222666 72	2719573·43	102	0 73569	0·69920	1·19438
49	13605·73	209061 00	2496906 70	103	0·38094	0·31826	0·49518
50	13048 41	196012 59	2287845·70	104	0·18492	0·13334	0·17692
51	12508·46	183504·13	2091833 11	105	0·08977	0 04358	0·04358
52	11985 03	171519·10	1908328·98	106	0 04358	0·00000	0 00000
53	11477·72	160041·38	1736809·88				