

Tables showing the total number of persons assured in the Equitable Society from its commencement in September, 1762, to January 1, 1829 : distinguishing their ages at the time of admission into the society, and exhibiting the number of years during which they have continued members of it, the periods of life at which their assurances have terminated, and the ages which the surviving members had attained on the 1st of January, 1829, to which are added tables of the probabilities and expectations of the duration of human life, deduced from these documents, a statement of the disorders (as certified to the Court of Directors) of which 4095 persons assured have died in thirty-two years ending December 31, 1832, and a supplement showing the mortality of the society for the years 1829, 1830, 1831 and 1832.

Contributors

Society for Equitable Assurances on Lives and Survivorships.
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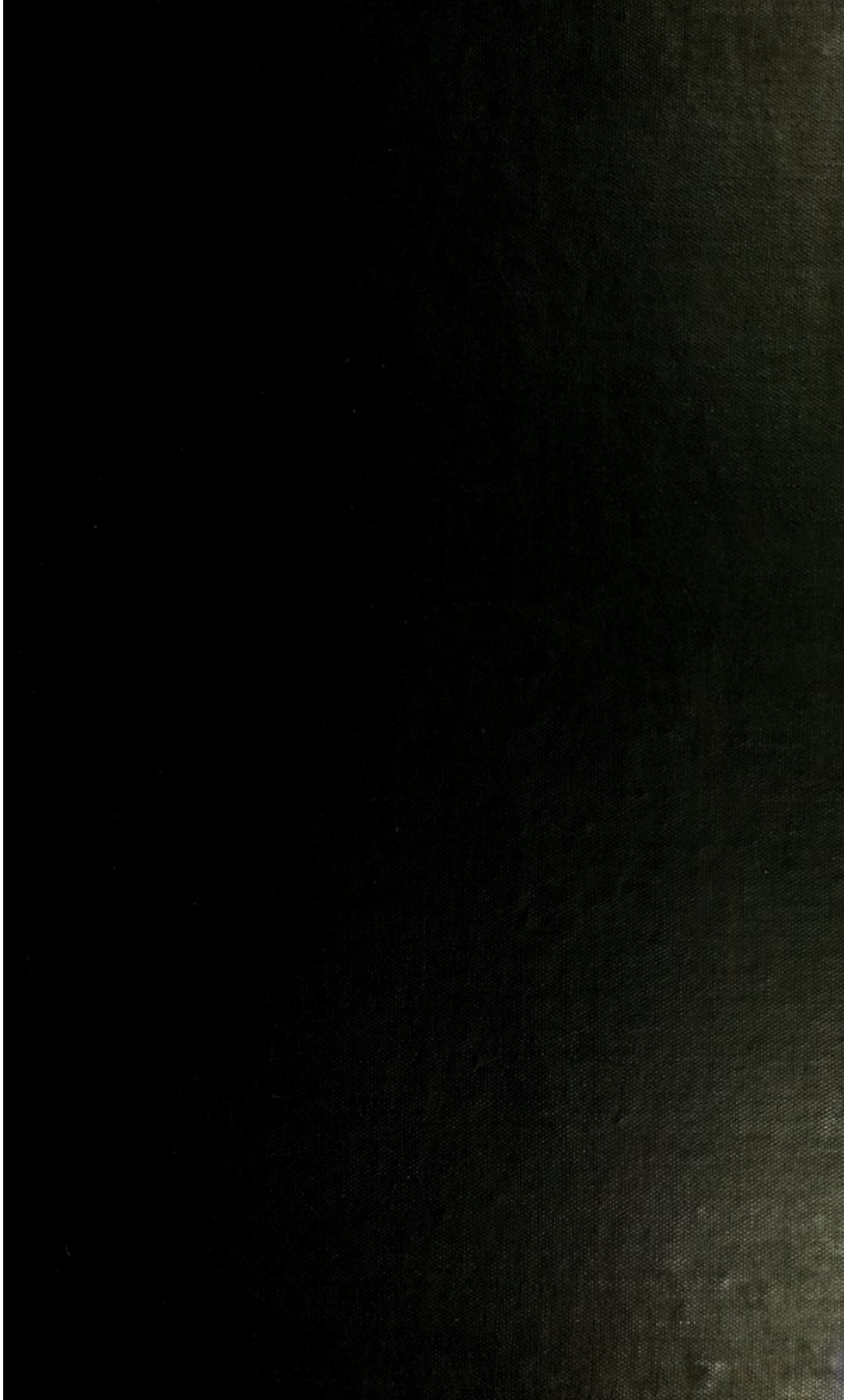
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T A B L E S





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T A B L E S

SHOWING

THE TOTAL NUMBER OF PERSONS ASSURED IN

THE EQUITABLE SOCIETY

FROM ITS COMMENCEMENT IN SEPTEMBER 1762, TO JANUARY 1, 1829,

DISTINGUISHING THEIR AGES AT THE TIME OF ADMISSION INTO THE SOCIETY,

AND EXHIBITING

THE NUMBER OF YEARS DURING WHICH THEY HAVE CONTINUED MEMBERS OF IT;

THE PERIODS OF LIFE AT WHICH THEIR ASSURANCES HAVE TERMINATED;

AND

THE AGES WHICH THE SURVIVING MEMBERS HAD ATTAINED ON THE 1ST OF JANUARY 1829.

TO WHICH ARE ADDED

T A B L E S

OF THE

PROBABILITIES AND EXPECTATIONS OF THE DURATION OF HUMAN LIFE,

DEDUCED FROM THESE DOCUMENTS;

A STATEMENT OF THE DISORDERS, (AS CERTIFIED TO THE COURT OF DIRECTORS,)

OF WHICH 4995 PERSONS ASSURED HAVE DIED IN THIRTY-TWO YEARS ENDING DECEMBER 31, 1832;

AND A SUPPLEMENT SHOWING THE MORTALITY OF THE SOCIETY

FOR THE YEARS 1829, 1830, 1831 AND 1832.



L O N D O N :

PRINTED BY RICHARD TAYLOR, RED LION COURT, FLEET STREET.

1834.

T A B L E

THE TOTAL NUMBER OF PAPERS PRINTED IN

THE VOLUME TO THE YEAR

THE HONORABLE SOCIETY

OF PHYSICIANS

OF GREAT BRITAIN

1850

THE HONORABLE SOCIETY OF PHYSICIANS

OF GREAT BRITAIN

OF GREAT BRITAIN

OF GREAT BRITAIN

T A B L E

THE HONORABLE SOCIETY OF PHYSICIANS

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INTRODUCTION TO THE TABLES.

FROM the time when the Equitable Society was first established, until within the last few years, it certainly was never contemplated, by those who were engaged or consulted in conducting its affairs, that the probabilities of life amongst its members would afford sufficient data for constructing Tables of the Expectations of the Duration of Human Life, or of the values of Life Annuities which might be safely available for any practical purposes; nor were the accounts arranged with a view to the exhibition of a distinct statement of the duration of the lives assured at each particular age, as displayed in the following Tables, although an annual comparison of the probabilities of life in the Society with those in the Northampton Tables has been regularly made, in conformity with a plan suggested by Dr. Price to the Court of Directors in the year 1776*. The great value, however, which has of late been attached to the information supposed to be contained in the records of the Equitable Society, with regard to the duration of human life, and the important measures, founded upon its experience in this respect, which were proposed in the General Court previously to the last decennial investigation, have induced the Directors to give to this subject their most serious attention: and under a conviction that the accounts hitherto given of the mortality which has taken place amongst the Members of the Equitable Society have not been stated with perfect accuracy nor sufficiently detailed, they have directed the minute and laborious investigation to be made, the results of which are now presented to the Society.

The first of the following Tables (TABLE A.) is so formed as to exhibit in one view the duration (as far as the same can be traced) of *all* the lives which have been assured in the

* This, which was one of three methods recommended by Dr. Price for ascertaining the state and progress of the Society, consists in an annual enumeration of the number of Members living in the Society at the beginning of every year, arranged in decenary periods according to their respective ages: the number of deaths occurring in each decade in the course of the year being then carefully noted, and compared with the number of deaths which should have occurred according to the Tables from which the premiums have been computed, proof is afforded how far the Society has been secure in the use of those Tables.

EXAMPLE.

Comparison for the year 1832.

Ages.	Number living Jan. 1, 1832.	Of whom died in the year.	Should have died.
10 to 19	55	0	.....
20 — 29	249	1	4
30 — 39	873	4	16
40 — 49	1531	21	36
50 — 59	1909	30	63
60 — 69	1311	58	63
70 — 79	573	60	50
80 — 89	94	34	17
90 — 96	6	4	2
	6601	212	251

The result of a register of this kind, of the experience of 30 years ending on the 31st of December 1799, was published in an Address delivered by Mr. Morgan at a General Court of the Society in April 1800; and from this, and a subsequent account published in a note to Dr. Price's Work on Annuities and Reversionary Payments, have been deduced the Tables of mortality and of the values of Life Annuities according to what has been termed the "*Equitable Experience*": these Tables vary in some degree from each other, and are necessarily inaccurate from the imperfect nature of the documents from which they were computed.

Equitable Society from the time of its commencement in September 1762 to the 1st of January 1829*, a period exceeding 67 years. It contains a marginal column, in which are exhibited the ages at which the several Members have been admitted into the Society, and 88 other columns, each containing four subdivisions. In the first subdivision of each column are inserted the numbers of persons who have attained, or been admitted at, the age which stands at the head of that column; these, consisting of persons who have entered the Society at various periods of life, are placed in classes one beneath another, in numerical order, from 7 to 66, so as to show the number of years they may have been severally assured.

In the second subdivision is the number of persons of each class who had on the 1st of January 1829 attained, and were living at, the several ages stated at the head of these columns respectively.

In the third subdivision is the number of persons of each class who have discontinued their assurances after they had attained the age stated at the head of the column, and before they had completed the next following year of age.

In the fourth and last subdivision is the number of persons of each class, who have died after they had attained the age stated at the head of the column, and before they had completed the next successive year of age. The sum of the numbers in the last three subdivisions,—namely, the number *still existing*, the number who discontinued their assurances, and the number who died between any one year of age and the next succeeding year of age,—being deducted from the number who attained to the former, and who are contained in the *first* subdivision, the remainders are carried forward as survivors from one age to another, to the extremity of life: for example, under the age of 30 and opposite to 25, in the column showing the age of admission, we find the number 421, which is the exact number of persons, out of all who have assured at the age of 25, who continued Members of the Society until they completed their 30th year of age; of these, 10 (the number in the second subdivision) were *existing* on the 1st of January 1829, and would enter upon their 31st year of age in the course of that year; 29 ceased to be Members of the Society between the ages of 30 and 31; and 2, the number in the 4th and last subdivision, died between those ages: deducting therefore the number still existing . 10

The number who discontinued 29

The number who died 2

In all . . . 41

from 421, there remain 380 persons who have survived, out of the 421 persons first mentioned, to the age of 31, and entered whilst Members of the Society upon their 32nd year of age.

A complete view is thus exhibited of the number of persons who have made assurances with the Equitable Society at each particular age, the number of each class who survived from year to year, so long as they continued Members of the Society, and the rate of mortality which has prevailed in each class distinctly, as well as amongst the whole body of assurers taken collectively.

From this Table, containing a complete detail of all the facts which the experience of the Equitable Society can furnish connected with the subject of the duration of human life, other tables may without difficulty be formed, with such modifications as on an attentive consideration of the results may be thought necessary for the purpose of applying them to practical purposes: these alterations will of course be made according to the discretion and judgement of those who may undertake the labour.

By the summary, page 18, it appears that of the whole number assured in the Society, amounting to 21,398 persons, there have died, who continued Members till their death 5144
 there have ceased to be Members, by Surrender, Forfeiture or expiration of their Policies 9324
 and there remained, Members living January 1, 1829 . 6930

Total 21,398

It is obvious, therefore, that the data afforded by the experience of the Equitable Society towards a conclusive inference respecting the duration of lives of all ages, are as yet very imperfect, little short of one half of all those on whose lives assurances have been commenced—have

* 185 new Members were admitted into the Society, in the course of the whole year 1829, at various ages: these are not included in the Table A., although the mortality of that year is included in that Table. The reason for this omission will be apparent from a consideration of the principle upon which tables of this kind are formed, and of the information they are intended to convey, namely, the number of deaths which have happened, or may be expected to happen, out of a certain

withdrawn—more than half of the remainder are still alive—and those upon whose lives full information is afforded, do not amount to one quarter of the whole number assured.

The second Table (B.) contains an account of the duration of the lives of those persons *only*, who, having effected assurances in the Society between September 1762, and January 1st 1829, either lived and continued their assurances to the close of the latter year, or died in the intervening period. It is derived from Table A., by subtracting in the first instance, from the numbers of all who have entered the Society at each age, found in the first subdivisions, the *sum of all* the numbers opposite to them in the third subdivisions of the columns in that Table, and deducting from the remainder, the numbers in the second and fourth subdivisions of the columns in the same Table; namely, the numbers of those who have died, or still exist at or between every year of age subsequent to the age of admission in each class respectively.

EXAMPLE.

The total number of persons who have commenced assurances at the age of 30 is 762; of these, 162 discontinued their assurances between the ages of 30 and 35, namely,

between 30 and 31	1
between 31 and 32	36
between 32 and 33	53
between 33 and 34	42
between 34 and 35	30 — 162
and between 35 and 40	101
between 40 and 45	30
between 45 and 50	20
between 50 and 55	8
between 55 and 60	2
between 60 and 65	4
	327

The above number of 327 being deducted from 762, there remains 435, the number opposite to the age of 30, in the marginal column of ages in Table B.; of these, two died before they attained the age of 31, and 433 survived, of whom four had not completed their 32nd year on the 1st of January 1829, and four died before they attained the age of 32: only 425 persons therefore survived to the age of 32, out of the 435 persons first mentioned.

In deducing the Tables of the probabilities and expectations of life from the general results in Table A., it has been assumed that one half of those who discontinued their assurances between one year of age and another, completed a *whole* year, that is, one half of them has been constantly deducted from the numbers of persons living, out of whom the deaths have been reckoned to have happened. Thus, the average number of *all* who have lived in the Society between the ages of 30 and 40 is 62,915; the number who have discontinued their assurances between those ages is 2715;—the half of this number, or 1357, being deducted from 62,915, there remains 61,558. The number of deaths between the ages of 30 and 40 has been 572, which, upon a population of 61,558, gives the rate of mortality for that decade as one in 108 very nearly.

This may be considered a fair correction, since some of these persons quitted the Society immediately after they had completed the age at which they are stated to have discontinued their assurances, others not until they had nearly entered upon another year of age. With this correction, the rate of mortality which has prevailed in the Society amongst all the lives assured, taken collectively, on an average of 67 years, ending January 1st 1829, will be found

number of individuals at any given age before they shall attain to the next year of age, in other words, how many persons out of a given number existing at any age will survive to the next succeeding year of age. In conformity with this principle, the duration of the lives of those, who are, or have been Members of the Society, is reckoned according to the number of entire years of age, which they have completed since the time of their admission.

A person, therefore, making assurance in the course of the year 1829, in the 31st year of his age, cannot be reckoned as having lived a year in the Society, on the 31st of December 1829; and is not to be added until 1830, when he must be classed under the age of 31, as he would complete his 32nd year in 1830, and have entered his 33rd year on the 1st of January 1831, should his life have so long endured.

to be as stated in the following Table, which also contains the rate of mortality from Table B., and for the sake of comparison, according to the Northampton, Chester, and Carlisle Tables.

Ages.	Equitable, Table A.	Equitable, Table B.	Northampton.	Chester. Males and Females.	Carlisle.
20 to 29	One in 139	One in 71	64	80	132
30 — 39	108	73	54	71	94
40 — 49	81	62	42	50	70
50 — 59	46	40	30	40	54
60 — 69	24·6	22	21	22½	24
70 — 79	11·9	11	11	11	12
80 — 89	6	6	5½	6	5¾

The method adopted in the construction of Table A. is similar to that pursued by M. De Parcieux with respect to the Table which he formed from the list of various tontines in France. This method is liable to the objection that it does not accurately represent the mortality of lives selected at any one particular age. In a body of lives of the same age, all selected as healthy from the general mass of mankind, it is obvious that the rate of mortality must be considerably less for the first ten or twenty years after selection, than amongst those from whom they are thus chosen. As, however, these selected lives advance in age, their general health, and the rate of mortality amongst them will naturally approximate to the common standard. This approximation cannot be accurately estimated, if the observations be taken from a blended mass of lives, selected at the age of 20 for instance, which have attained the age of 50, and of lives selected at the age of 50. The rate of mortality will for the former class be less, for the latter greater, than that which occurs in either class separately.

The correct method, therefore, (if sufficient data existed,) would unquestionably be, to make distinct tables from the mortality of each distinct class. The numbers of each separate class in the tables now presented are insufficient for that purpose, and there is a variance observable in the rates of mortality at different ages when estimated in this manner which renders it scarcely possible to graduate a table from them.

This will be readily seen on a careful inspection of the following comparisons, which at the same time clearly show the effect of mingling together lives selected at various ages, in altering the rates of mortality of each respective class.

Ages.	Rate of Mortality on all Classes taken collectively.	Rate of Mortality of								
		762 Persons assured at the Age of 30.	726 Persons assured at the Age of 35.	743 Persons assured at the Age of 35.	659 Persons assured at the Age of 38.	615 Persons assured at the Age of 40.	525 Persons assured at the Age of 43.	470 Persons assured at the Age of 45.	370 Persons assured at the Age of 48.	521 Persons assured at the Age of 50.
30 to 35	One in 130	One in 142	One in 182	One in 92	One in 121	One in 93	One in 91	One in 92	One in 46	One in 53
35 — 40	102	89	97	79	99	82	67	56	53	38
35 — 40	95	89	97	79	99	82	67	56	53	38
38 — 43	89	72	82	69	59	58	58	41	38	28
40 — 45	88	72	82	69	59	58	58	41	38	28
43 — 48	87	58	57	57	59	58	58	41	38	28
45 — 50	74	49	52	57	59	58	58	41	38	28
48 — 53	56	49	52	57	59	58	58	41	38	28
50 — 55	53	49	52	57	59	58	58	41	38	28
53 — 58	50	49	52	57	59	58	58	41	38	28
55 — 60	40	49	52	57	59	58	58	41	38	28
58 — 63	35	49	52	57	59	58	58	41	38	28
60 — 65	30	21	23	23	26	26	26	26	26	28

Of the lives assured in the Equitable Society, by far the greater number have been admitted between the ages of 30 and 50, and a very large proportion between the ages of 30 and 40; whilst comparatively few of those who have been admitted under the ages of 28 or 30 have continued their assurances for more than seven or eight years, or beyond the age of 35: it is therefore between the ages of 30 and 50 that the rate of mortality is chiefly affected by the circumstance of recruiting lives selected at early ages, which have in the course of years approximated to the general average of mortality, with other lives selected at more advanced ages.

In the Tables derived from Table B., from which the lives of all persons are excluded whose assurances have been terminated otherwise than by death, of whom the greater number were under 50 years of age, the probabilities of life between the ages of 30 and 50 will be found to be given considerably lower than in Table A. But as the numbers who have thus left the Society have been replaced by the annual admission of new members, this Table (B.), may be considered as representing more nearly than Table A. the mortality of a stationary body of select lives, or rather a population in which the waste of each year is supplied by the admission of fresh lives, so as to keep up the mass of those in being together, to a certain number. It has the advantage also of being the safer Table of the two for most of the practical purposes of a Life Assurance Office, giving the probabilities and expectations of Life somewhat lower than those deduced from the mortality of separate classes, in a few cases where these latter have been sufficiently numerous to form some estimate from.* But it is unnecessary to enlarge further upon this subject at present; the facts contained in these documents will admit of almost numberless arrangements and modifications, and it may be truly said, in the words of an eminent mathematician † particularly distinguished by his writings upon Life Annuities, that "there neither is, nor can be a table of observations on the degrees of mortality of mankind but what may be objected to."

The compiler of these tables, nevertheless, is not without hope that they will be found to contain a useful and important, as well as curious addition to the branch of Statistics with which they are connected.

ARTHUR MORGAN.

Equitable Assurance Office,
New Bridge Street, February 3, 1834.

Ages.	DeParcieux.	Carlisle.	Equitable.		
			Including all the Lives assured Table A.	Omitting all who did not continue their Assurances to Jan. 1, 1829. Table B.	Deducted from the Mortality of each particular class.
20	40·29	41·46	41·77	37·05	38·00
30	34·17	34·34	34·68	31·32	32·27
35	30·95	31·00	31·08	28·66	29·47
40	27·76	27·61	27·55	25·65	26·55
45	24·02	24·46	24·04	22·55	23·53
50	20·5	21·11	20·53	19·37	20·00
55	17·15	17·58	17·16	16·28	.....
60	14·16	14·34	14·11	13·53	.....
65	11·42	11·79	11·36	11·07	.....
70	8·79	9·18	8·99	8·69	.....
75	6·43	7·01	7·00	6·43	.....
80	4·73	5·51	5·51	4·50	.....
85	3·33	4·12	4·02	3·23	.....
90	1·77	3·28	2·16	2·19	.....

† Thomas Simpson.

TABLE A.

Showing the Duration of *all* the Lives assured in the *EQUITABLE SOCIETY*, from Sept. 1762 to Jan. 1st, 1829.

AGE ON ADMISSION.	Age 7.				Age 8.				Age 9.				Age 10.				Age 11.				AGE ON ADMISSION.
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	
7	40				40				40	7			33	1	1	1	30				7
8					53				53				53	1	1		50				8
9									26				26	1	1		24				9
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	40	0	0	0	93	0	0	0	119	0	7	0	143	3	4	2	174	1	7	0	
					Age 7	40	0	0	0												
					— 8	93	0	0	0												
					— 9	119	0	7	0												
					Total	252	0	7	0												

TABLE A. continued.

Showing the Duration of *all* the Lives assured in the *EQUITABLE SOCIETY*, from Sept. 1762 to Jan. 1st, 1829.

AGE ON ADMISSION.	Age 17.				Age 18.				Age 19.				Age 20.				Age 21.				AGE ON ADMISSION.
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	
7	21	1	2		18	1			18	1			18	1	1		16	1	1	7	
8	33	1	1		31	1			30	1	1		27	1	1	1	24	1	1	8	
9	15		1		14		1		13		1		12				12	1		9	
10	20		1		19		2		17				17	1	2		14		1	10	
11	29	1			26		1		25		1		24				22	1		11	
12	28		1		27		1		26		2		24	1	1		22	1		12	
13	39		1		38	1	1		35		1	1	33		2		31	2	1	13	
14	42	2	1	1	38		2		36		2		34		2		32	1	3	14	
15	44	1	4		39		3	1	35		3	1	31	1	4	1	25		4	15	
16	66	1	2	1	62	1	2	1	53		4		49	1	2		46	2	6	16	
17	71		1	1	69	1	5		63	1	7		55		7		48		11	17	
18					149				149		7	2	140	2	23	1	114		38	18	
19									250			2	248		14	2	231	3	110	19	
20													263		3	2	258		83	20	
21																	373		4	21	
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	408	5	18	4	530	3	24	3	750	5	26	7	975	10	62	8	1268	13	263	8	
	Age 15				Age 16				Age 17				Age 18				Age 19				
	— 15				— 16				— 17				— 18				— 19				
	Total				Total				Total				Total				Total				
	316				368				408				530				750				
	7				9				5				29				29				
	5				18				18				24				26				
	2				4				4				3				7				
	4				4				7				20				20				

TABLE A. continued.

Showing the Duration of *all* the Lives assured in the *EQUITABLE SOCIETY*, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 27.				Age 28.				Age 29.				Age 30.				Age 31.				Age on Admissions.
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	
7	8	1	.....	.....	7	1	1	.....	5	.....	.....	.....	5	1	.....	.....	5	1	.....	7
8	14	2	.....	.....	11	1	1	.....	9	1	.....	.....	8	.....	.....	.....	8	.....	.....	8
9	4	.....	1	.....	3	1	.....	.....	12	.....	1	.....	1	.....	.....	.....	1	.....	.....	9
10	8	1	.....	.....	7	1	.....	.....	6	.....	.....	.....	6	.....	.....	.....	4	.....	.....	10
11	14	1	1	.....	12	.....	.....	.....	12	1	.....	.....	11	1	.....	.....	10	.....	1	11
12	14	.....	.....	.....	14	.....	.....	.....	14	.....	.....	.....	14	.....	.....	.....	14	.....	.....	12
13	17	1	.....	.....	16	.....	1	.....	15	1	.....	1	13	1	.....	.....	12	1	.....	13
14	21	1	2	.....	18	1	.....	.....	17	2	1	.....	14	2	.....	.....	12	.....	.....	14
15	7	.....	1	.....	6	.....	.....	.....	6	.....	.....	.....	6	1	1	.....	4	.....	.....	15
16	24	1	1	.....	22	.....	.....	.....	22	2	.....	.....	20	.....	2	.....	17	1	1	16
17	13	1	1	.....	11	.....	.....	.....	11	.....	.....	.....	11	.....	1	.....	10	1	.....	17
18	25	3	.....	.....	22	1	.....	1	20	1	1	.....	18	.....	.....	.....	18	.....	1	18
19	35	.....	5	1	29	1	2	.....	26	.....	.....	.....	26	.....	6	.....	20	2	.....	19
20	65	1	9	1	54	.....	4	.....	50	1	3	1	45	2	2	1	40	1	.....	20
21	173	2	11	2	158	4	16	1	137	3	10	.....	124	.....	5	.....	119	3	9	121
22	243	7	21	3	212	6	11	1	194	4	11	2	177	3	13	1	160	1	13	122	
23	330	5	33	3	289	5	20	3	261	7	19	3	232	4	11	2	215	2	13	123	
24	414	7	30	4	373	6	28	3	336	1	20	1	314	6	19	3	286	2	19	124	
25	577	10	63	3	501	3	32	4	462	7	32	2	421	10	29	2	380	5	14	125	
26	614	8	38	7	561	6	08	6	481	6	32	2	451	7	26	7	411	7	13	126	
27	683	.....	.....	2	681	8	44	5	624	10	54	3	557	6	31	5	515	6	29	127
28	.....	.....	.....	.....	732	.....	4	2	726	8	40	2	676	7	70	4	595	3	37	128
29	.....	.....	.....	.....	.....	.....	.....	.....	783	.....	.....	3	780	1	45	5	729	7	65	129
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	762	.....	1	2	759	4	36	130
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	785	.....	.....	131
32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	132
33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	133
34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	134
35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	135
36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136
37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	137
38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	138
39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	139
40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	140
41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	141
42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	142
43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	143
44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	144
45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145
46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	146
47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	147
48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	148
49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	149
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150
51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	151
52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	152
53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	153
54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	154
55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	155
56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	156
57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	157
58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	158
59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	159
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	160
61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	161
62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	162
63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	163
64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	164
65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	165
66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	166
67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	167
70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	170
71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	171
75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	175
76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	176
77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	177
88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	188
	3303	53	217	26	3739	45	232	26	4219	55	214	20	4692	51	265	32	5129	40	251	32	
					Age 25	.....	2496	29	200	20										
					— 26	.....	2862	31	189	22										
					— 27	.....	3303	53	217	26										
					— 28	.....	3739	45	232	26										
					— 29	.....	4219	55	214	20										
					Total	.....	16619	213	1052	114										

TABLE A. continued.

Showing the Duration of all the Lives assured in the EQUITABLE SOCIETY, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 47.				Age 48.				Age 49.				Age 50.				Age 51.				Age on Admission.	
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.		
7																					7	
8																						8
9	1																					9
10	1																					10
11	1																					11
12	1																					12
13	1																					13
14																						14
15																						15
16	4				4				4				4	1	1							16
17	1				1				1				1									17
18	5				5				5				1									18
19	1																					19
20	11				11	1			9	1			8	1								20
21	32	2			28	1			26	1	1		24	1	1	1						21
22	37	4			33	2	1	1	29	3			26	5		1						22
23	44	1			42	4	1	2	35	2			33	4	1							23
24	80	3	3	1	69	5	1	1	65	5	1	2	56	6		2						24
25	88	5	3	1	79	5		2	75	9	1		62	3		3						25
26	91	7	1	1	82	5	1	2	74	5		1	68	4	1	3						26
27	134	10	1	3	120	9	2	1	108	6		2	100	10	4	2						27
28	180	14	3	3	160	12	2	5	141	10	2	5	124	10	3	2						28
29	209	10	2	2	195	14	5	2	174	11	1	4	158	12	1	4						29
30	235	17	1	4	213	10	3	5	195	9	5	4	177	10	2	4						30
31	274	13	7	4	250	15	4	4	227	12	2	4	209	16	6	3						31
32	283	11	7	5	260	14	7	5	234	7	1	3	223	15	3	4						32
33	296	20	6	4	266	12	5	5	244	12	2	5	225	11	4	4						33
34	310	8	2	4	296	15	6	5	270	13	7	4	246	11	4	4						34
35	334	12	5	5	312	17	1	6	288	14	7	4	263	15	4	4						35
36	353	14	11	5	323	8	10	5	300	16	8	4	272	13	6	5						36
37	394	11	13	5	365	8	8	6	343	11	9	6	317	14	7	7						37
38	375	10	8	4	353	6	12	5	330	5	10	5	310	8	6	4						38
39	400	7	17	4	372	7	5	6	354	6	6	5	337	5	7	6						39
40	424	5	25	5	389	5	19	5	360	6	9	6	339	7	6	5						40
41	398	3	10	5	380	6	22	5	347	6	16	6	319	8	7	6						41
42	419	4	10	4	401	6	11	4	380	8	18	5	349	7	19	5						42
43	414	3	11	5	395	2	18	5	370	2	12	6	350	9	21	4						43
44	415	2	19	3	391	2	22	5	362	3	9	6	344	7	18	5						44
45	443	1	36	4	402	4	18	5	375	2	9	6	358	4	12	6						45
46	435	3	22	3	407	1	32	6	368	4	16	4	344	8	14	4						46
47	429			5	424	2	17	6	399	3	18	5	373	4	19	6						47
48					370			5	365	3	12	6	344	1	24	7						48
49									389			3	386	4	24	8						49
50													321			4						50
51																						51
52																						52
53																						53
54																						54
55																						55
56																						56
57																						57
58																						58
59																						59
60																						60
61																						61
62																						62
63																						63
64																						64
65																						65
66																						66
67																						67
70																						70
71																						71
75																						75
76																						76
77																						77
88																						88
	7553	205	228	90	7400	198	234	117	7240	194	182	111	7074	232	225	123	6787	230	194	126		
					Age 45				7676	177	224	87										
					— 46				7626	170	241	91										
					— 47				7553	205	228	90										
					— 48				7400	198	234	117										
					— 49				7240	194	182	111										
					Total				37495	944	1109	496										

TABLE A. continued.

Showing the Duration of all the Lives assured in the EQUITABLE SOCIETY, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 57.				Age 58.				Age 59.				Age 60.				Age 61.				Age on Admission.	
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.		
7																					7	
8																						8
9	1				1				1	1												9
10	1				1				1													10
11																						11
12																						12
13																						13
14																						14
15																						15
16																						16
17	1				1				1													17
18																						18
19																						19
20	3				3				3	1			2			1	1	1				20
21	9	1			8				8	1			7			7	1					21
22	6	1	1		4		1		3	1			2	1		1						22
23	17	3		1	13	1			12	2	1	1	8	1		7						23
24	15	2		1	11	1			10	1			9	1	1	1	6					24
25	26	3	1		22	3		1	18	3		2	14			14	2					25
26	25	2		1	22	3			19	1	1		17	1		2	14	3				26
27	35	2	1		31	2		1	28			1	27	2		2	23	5				27
28	55	6		1	48	4			42	2		3	37	2		1	34	3				28
29	69	6	1	2	60	4	1	2	53	5		2	46	3	1	3	39	3	1			29
30	79	6		2	72	7		3	62	2		2	58	3	2	2	51	3				30
31	100	7	2		89	10		3	76	7	2	5	62	7	2	3	50	3	1			31
32	113	6		3	104	9		4	91	9		2	80	6	3	3	68	4	2			32
33	111	12		2	97	7		2	88	6	2	3	77	8		2	67	6				33
34	129	5	1	4	119	7	1	2	109	5		4	100	7	2	4	87	8				34
35	131	7	3	4	117	7		6	104	6		4	94	7	1	2	84	4	1			35
36	140	9	2	3	126	8	1	3	114	7		4	103	6	2	2	93	4	1			36
37	164	11	2	5	146	9	2	3	132	5		3	124	6	1	3	114	8	3			37
38	178	14	1	4	159	11		4	144	10	2	4	128	6	2	3	117	5	1			38
39	189	6	2	5	176	15	3	4	154	12	1	4	137	10		4	123	7				39
40	208	9	1	3	195	9	1	3	182	17	1	5	159	9	4	5	141	8	1			40
41	188	7	4	2	175	7		4	164	10		5	149	9	4	4	132	7	1			41
42	215	7	8	5	195	5	5	3	182	5	2	5	170	9	3	4	154	9	1			42
43	218	6	4	4	204	7	3	4	190	5	1	5	179	7		4	168	9	2			43
44	190	10	2	4	174	7	2	2	163	11	2	4	146	7	1	4	134	10	4			44
45	216	8	4	5	199	9	4	5	181	5	1	6	169	7	1	5	156	9	1			45
46	202	6	5	5	186	3	4	5	174	2	4	6	162	5	4	2	151	5	4			46
47	213	8	1	5	199	5	3	4	187	3	2	7	175	5	5	4	161	5				47
48	193	3	3	4	183	3	5	4	171	5	1	4	161	4	3	4	150	3	2			48
49	211	2	10	5	194	3	1	5	185	2	1	6	176	3	1	6	166	4	5			49
50	190	3	11	5	171	2	12	4	153		4	5	144	2	2	5	135		5			50
51	210	2	4	4	200	3	12	4	181	4	11	3	163	4	4	3	152	4	4			51
52	195	3	1	4	187	2	4	4	177	4	6	5	162	2	4	4	152	4	7			52
53	190	2	11	4	173	2	8	2	161	1	10	7	143	2	6	4	131		6			53
54	185	1	10	3	171	1	6	3	161	3	3	6	149	3	3	3	140		7			54
55	187	1	11	3	172	1	5	3	163	1	6	10	146	1	4	4	137	2	4			55
56	208	2	3	4	199	1	8	4	186	2	9	4	171	2	8	2	159	1	11			56
57	161			2	159	1	5	2	151	2	8	5	136	1	5	2	128		5			57
58					140		1		139	3	3	2	131	1	8	2	120	2	4			58
59									154			3	151	2	8	2	139		15			59
60													118		1	3	114		2			60
61																	91					61
62																						62
63																						63
64																						64
65																						65
66																						66
67																						67
70																						70
71																						71
75																						75
76																						76
77																						77
88																						88
	5177	191	110	110	4906	179	98	105	4678	171	84	147	4394	162	96	115	4112	150	101	133		
					Age 55				5678	180	125	140										
					— 56				5443	158	132	137										
					— 57				5177	191	110	110										
					— 58				4906	179	98	105										
					— 59				4678	171	84	147										
					Total				25882	879	549	639										

TABLE A. continued.

Showing the Duration of *all* the Lives assured in the *EQUITABLE SOCIETY*, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 72.				Age 73.				Age 74.				Age 75.				Age 76.				Age on Admissions.	
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.		
7																					7	
8																						8
9																						9
10																						10
11																						11
12																						12
13																						13
14																						14
15																						15
16																						16
17																						17
18																						18
19																						19
20																						20
21																						21
22																						22
23																						23
24																						24
25	1				1				1				1				1					25
26																						26
27	1		1																			27
28	3	1			2	1			1				1			1						28
29	6				6	1	1		4				4	1			3	1				29
30	6	1		1	4	2			2				2	1			1					30
31	5	1		1	3				3	1			2				2	1				31
32	11	3	1	1	6			1	5	2			2			1						32
33	10	3			7	1			6	3		1					2	1				33
34	19	3			16	2	1	1	12	1		3		8	2		2	4	1			34
35	21	1			20	1		1	18	1	1		16	2	2		12	2				35
36	20	2			16	1		3	12	2			10	2	1		7	2				36
37	24	2			20	1		2	17	1			14	2		3	9	1	1			37
38	24	1			20	2			18				15	2		3	10	1				38
39	30	3			25	1		2	22	2	1		17	3		2	12	2				39
40	28	2			24	2		2	20	1		3	16	2		4	10	1				40
41	31	2			28	2		2	24	2		4	18	3		1	14	1				41
42	45	3		4	38	6		5	27	2		4	21	1		1	19	2				42
43	39	1			35	2		2	31	1		3	27	2		2	23	3				43
44	26			3	23	2			21	2		3	16	2	1	1	12					44
45	38	2		3	33	1		4	28	3		2	23	4	1	2	16	1				45
46	37	1	1	2	33	2		4	27	2		1	24	2		3	19	2				46
47	50	3		2	45	2		2	41	2	1	4	34	3		3	28	2				47
48	35	1		4	30	2	1	2	25	1		2	22	2		2	18	1				48
49	50	5		3	42	2		2	37	2	1	1	33	3		2	28	1				49
50	40	2		4	34	2		3	29	2		4	23	1		3	19					50
51	54	4		2	48			3	45	4		3	38	2		4	32	2	1			51
52	43	1	1	3	38	2	1	3	32	2		2	28	2		3	23	1	2			52
53	42	3		2	37	3		1	33	1		2	30	2		3	25	2				53
54	41	2	1	1	37	2		1	34	1		2	31	3		3	25	1				54
55	47	3	1	3	40	2		2	36	2	1	3	30	2		2	26	2				55
56	57			5	52	3	1	3	45	2		6	37	1		1	35	1	1			56
57	48	1		4	43	1		5	37	2		3	32	2	1	6	23	2				57
58	45	3		3	39	1		3	35	3		2	30	2		3	25	4	1			58
59	49	3	1	4	41	2		3	36	3	1	1	31	2	1	3	25	2	1			59
60	45	2	1	3	39	4	1	1	33	1		3	29			3	26	2				60
61	21		1	2	18			1	17	1		2	14		1	1	12	2				61
62	36			3	33	1		1	31	1		2	28			4	24					62
63	43			3	40	1		2	37	1		3	33	1		4	28	2				63
64	28	1	1	3	23			1	22		1	1	20		1		19	1				64
65	24		3	3	18			3	15	1			14			1	13					65
66	28		1	4	23			1	22		3	2	17			1	16					66
67	2				2				2				2				2					67
70	1				1				1				1				1					70
71	2				2				2				2				2					71
75																						75
76																	1					76
77																						77
88																						88
	1256	66	14	91	1085	60	6	73	946	58	10	80	800	59	6	81	655	50	7	65		
Age 70					1689				70	22	128											
— 71					1471				96	14	105											
— 72					1256				66	14	91											
— 73					1085				60	6	73											
— 74					946				58	10	80											
Total					6447				350	66	477											

TABLE A. continued.

Showing the Duration of *all* the Lives assured in the *EQUITABLE SOCIETY*, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 82.				Age 83.				Age 84.				Age 85.				Age 86.				Age on Admission.
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	
7																					7
8																					8
9																					9
10																					10
11																					11
12																					12
13																					13
14																					14
15																					15
16																					16
17																					17
18																					18
19																					19
20																					20
21																					21
22																					22
23																					23
24																					24
25																					25
26																					26
27																					27
28																					28
29	1				1				1				1								29
30																					30
31																					31
32	1				1				1				1								32
33																					33
34																					34
35	1				1				1				1								35
36																					36
37	2	1			1				1				1								37
38	1	1																			38
39	3	2			1				1				1								39
40																					40
41	2				2				2				2						2	1	41
42	2				2				1	1											42
43	4				4	1			2	1			1	1							43
44	2				1				1												44
45	5				5				3	1			2						2		45
46	4	1			3				3				2	1					1		46
47	5				4				4	1			3					3			47
48	4	1			3	1			2				2					1			48
49	14	2			12	1			10				10	2				7	1		49
50	8				8				7	1			5					3		1	50
51	8				6				3	1			3					1			51
52	4	1			3				3				3					3			52
53	6				3				2				1	1							53
54	8				6				5	1			4					3			54
55	5				5				3				1					1			55
56	14	1			12	1			9	1			7					5			56
57	5				5				4				4					4			57
58	5				3				3	1			2					2			58
59	7	1			5				5	1			4					3			59
60	5				4				4				4					4			60
61	2				2				1				1					1			61
62	10	1			7				7				5	2				2			62
63	7				6				5				4	1				3			63
64	6	1			5				5	1			4					2			64
65	4	1			2				2				2					2			65
66	4	1			3				3				3					3			66
67	2				1				1				1								67
70																					70
71	2				1																71
75																					75
76	1				1				1				1								76
77	1				1				1				1								77
88																					88
	165	15	6	14	130	4	5	17	106	11	3	11	81	7	1	13	60	2	1	10	
					Age 80				280	15	1	57									
					— 81				227	15	4	43									
					— 82				165	15	6	14									
					— 83				130	4	3	17									
					— 84				106	11	3	11									
					Total				908	60	17	122									

TABLE A. continued.

Showing the Duration of *all* the Lives assured in the EQUITABLE SOCIETY, from Sept. 1762 to Jan. 1st, 1829.

Age on Admission.	Age 87.				Age 88.				Age 89.				Age 90.				Age 91.				Age on Admission.	
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.		
7																					7	
8																						8
9																						9
10																						10
11																						11
12																						12
13																						13
14																						14
15																						15
16																						16
17																						17
18																						18
19																						19
20																						20
21																						21
22																						22
23																						23
24																						24
25																						25
26																						26
27																						27
28																						28
29																						29
30																						30
31																						31
32																						32
33																						33
34																						34
35																						35
36																						36
37																						37
38																						38
39	1				1				1				1				1					39
40																						40
41																						41
42																						42
43																						43
44																						44
45	2			1	1				1			1										45
46	1				1	1																46
47	2				2				2			1		1	1							47
48	1	1																				48
49	4			1	3				3				3			1	2					49
50	1				1	1																50
51	1			1																		51
52	3				3				2			2				1	1					52
53																						53
54	3			1	2	1			1													54
55	1				1				1			1										55
56	5			2	3	1			1			1				1						56
57	3			1	2				1							1						57
58	2			1	1							1										58
59	2								2				2	2								59
60	4	1		1	2				2				2			1						60
61	1				1				1			1										61
62	2				2				2			1				1						62
63	2			1	1				1				1			1	1					63
64	1				1				1				1			1						64
65	1			1																		65
66	3			1	2				2			1										66
67																						67
70																						70
71																						71
73																						73
76	1				1		1															76
77																						77
88					1				1				1			1						88
	47	2	1	11	34	4	1	5	24	1	.....	6	17	5	.....	4	10	1	.....	5		
					Age 85	.....	81	7	1	13												
					— 86	.....	60	2	1	10												
					— 87	.....	47	2	1	11												
					— 88	.....	34	4	1	5												
					— 89	.....	24	1	.....	6												
					Total	.....	246	16	4	45												

TABLE A. continued.

Showing the Duration of all the Lives assured in the EQUITABLE SOCIETY, from Sept. 1762 to Jan. 1st, 1829.

Total of the Numbers in each Column of the foregoing TABLE.

Age on Admission.	Age 92.				Age 93.				Age 94.				Age on Admission.
	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	Attained the above Age.	Living Jan. 1, 1829, at the above Age.	Discontinued their Assurances.	Died.	
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
32													32
33													33
34													34
35													35
36													36
37													37
38													38
39	1	1											39
40													40
41													41
42													42
43													43
44													44
45													45
46													46
47													47
48													48
49	2	1		1									49
50													50
51													51
52													52
53													53
54													54
55													55
56													56
57	1			1									57
58													58
59													59
60													60
61													61
62	1			1									62
63													63
64													64
65													65
66													66
67													67
70													70
71													71
75													75
76													76
77													77
88	1			1									88
	6	2	1	2	1				1				1
Age 90					17	3			4				
— 91					10	1			3				
— 92					6	2	1		2				
— 93					1								
— 94					1				1				
Total					35	6	1		10				

Age.	Number of Persons who attained to each Age.	Number living at each Age, Jan. 1, 1829.	Number who discontinued their Assurances.	Died.	Age.	Number of Persons who attained to each Age.	Number living at each Age, Jan. 1, 1829.	Number who discontinued their Assurances.	Died.
7	40	0	0	0	180341	3515	7560	1932	
8	93	0	0	52	6500	205	171	136	
9	119	0	7	53	6228	210	162	119	
10	143	3	4	54	5961	210	170	107	
11	174	1	7	55	5678	180	125	140	
12	201	1	6	56	5443	158	132	137	
13	246	3	5	57	5177	191	110	110	
14	286	4	14	58	4906	179	98	105	
15	316	7	5	59	4678	171	84	147	
16	368	9	18	60	4394	162	96	115	
17	408	5	18	61	4112	150	101	133	
18	530	3	24	62	3819	144	62	118	
19	750	5	26	63	3583	157	76	136	
20	975	10	62	64	3274	112	45	136	
21	1268	13	263	65	3040	123	49	136	
22	1422	21	210	66	2773	124	53	137	
23	1683	12	125	67	2461	115	57	121	
24	2054	27	159	68	2168	92	29	125	
25	2496	29	200	69	1922	93	29	112	
26	2862	31	189	70	1689	70	22	128	
27	3303	53	217	71	1471	96	14	105	
28	3739	45	232	72	1256	66	14	91	
29	4219	55	214	73	1085	60	6	73	
30	4692	51	265	74	946	58	10	80	
31	5129	49	251	75	800	59	6	81	
32	5577	84	290	76	655	50	7	65	
33	5894	88	273	77	534	39	6	55	
34	6234	106	244	78	434	35	3	41	
35	6568	105	249	79	355	24	5	46	
36	6876	113	284	80	280	15	1	37	
37	7146	136	290	81	227	15	4	43	
38	7306	113	299	82	165	15	6	14	
39	7493	140	270	83	130	4	3	17	
40	7609	148	287	84	106	11	3	11	
41	7640	150	260	85	81	7	1	13	
42	7690	160	245	86	60	2	1	10	
43	7725	157	279	87	47	2	1	11	
44	7710	172	241	88	34	4	1	5	
45	7677	177	224	87	24	1		6	
46	7626	170	241	91	17	3		4	
47	7553	205	228	90	10	1		3	
48	7400	198	234	117	6	2	1	2	
49	7240	194	182	111	93	1			
50	7074	232	225	123	94	1		1	
51	6787	230	194	126					
	180341	5515	7560	1932	266872	6930	9324	5144	

The same arranged in quinquennial periods, being the Totals contained on each of the preceding pages.

Age.	Totals.	Number living, Jan. 1, 1829.	Number who discontinued their Assurances.	Died.
7 to 10	252	....	7	....
10 — 15	1050	12	36	5
15 — 20	2372	29	91	20
20 — 25	7402	83	819	51
25 — 30	16619	213	1052	114
30 — 35	27526	378	1323	207
35 — 40	35389	607	1392	365
40 — 45	38374	787	1313	425
45 — 50	37496	944	1109	496
50 — 55	32550	1087	922	611
55 — 60	25882	879	549	639
60 — 65	19182	725	380	658
65 — 70	12364	547	217	631
70 — 75	6447	350	66	477
75 — 80	2778	207	27	288
80 — 85	908	60	17	122
85 — 90	246	16	4	45
90 — 95	35	6	1	10
Total	266872	6930	9324	5144

TABLE B.

Showing the Duration of the Lives of those Persons *only*, who have become Members of the **EQUITABLE SOCIETY**, between Sept. 1762 and Jan. 1st, 1829; and who have either continued their Assurances to the later date, or died in the intervening period.

Age.	Age 7.		Age 8.		Age 9.		Age 10.		Age 11.		Age 12.		Age 13.		Age 14.		Age.
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	
7	12	0	12	0	12	0	12	1	10	0	10	0	10	0	10	0	7
8			30	0	30	0	30	0	29	0	29	0	29	0	26	0	8
9					13	0	13	0	12	0	12	0	11	0	11	0	9
10							11	1	10	0	9	0	9	0	9	0	10
11									22	0	22	1	21	0	21	0	11
12											18	0	18	0	18	1	12
13													33	0	33	1	13
14															30	0	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
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35																	35
36																	36
37																	37
38																	38
39																	39
40																	40
41																	41
42																	42
43																	43
44																	44
45																	45
46																	46
47																	47
48																	48
49																	49
50																	50
51																	51
52																	52
53																	53
54																	54
55																	55
56																	56
57																	57
58																	58
59																	59
60																	60
61																	61
62																	62
63																	63
64																	64
65																	65
66																	66
	12	0	42	0	55	0	66	2	83	0	100	1	131	0	158	2	
							Age 7		12	0							
							— 8		42	0							
							— 9		55	0							
							Total		109	0							

TABLE B. continued.

Showing the Duration of the Lives of those Persons *only*, who have become Members of the *EQUITABLE SOCIETY*, between Sept. 1762 and Jan. 1st, 1829; and who have either continued their Assurances to the later date, or died in the intervening period.

Age.	Age 15.		Age 16.		Age 17.		Age 18.		Age 19.		Age 20.		Age 21.		Age 22.		Age 23.		Age 24.		Age.				
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.					
7	10	...	7	...	7	...	7	...	7	...	7	...	6	...	6	...	6	...	6	...	7				
8	26	1	25	...	22	1	21	...	21	1	18	1	16	1	14	...	14	1	11	...	8				
9	11	...	10	...	9	...	9	...	9	...	9	...	9	1	7	...	5	...	4	1	9				
10	8	...	8	...	8	...	8	...	8	...	8	...	7	1	6	...	5	...	4	...	10				
11	20	...	20	...	19	...	18	...	18	...	18	...	16	...	15	...	12	...	12	...	11				
12	17	...	16	1	15	...	15	...	15	...	15	...	14	...	13	...	12	...	12	...	12				
13	30	1	27	1	25	...	25	1	23	1	22	...	22	...	19	...	19	...	17	2	13				
14	30	...	30	1	29	1	26	...	26	...	24	...	24	...	23	...	19	...	18	...	14				
15	19	...	19	1	15	...	14	1	13	1	12	1	10	...	10	...	10	...	9	...	15				
16	...	...	27	...	27	1	25	1	23	...	23	...	22	...	20	2	18	...	18	...	16		
17	...	...	...	...	15	1	14	...	13	...	12	...	12	...	12	...	11	...	11	...	17
18	...	...	...	...	...	...	30	...	30	2	28	1	25	...	25	...	25	...	25	...	18
19	...	...	...	...	...	...	...	...	31	2	29	3	26	1	22	1	20	...	20	1	19
20	...	...	...	...	...	...	...	...	...	...	59	2	57	3	54	1	49	2	46	1	20
21	...	...	...	...	...	...	...	...	...	...	...	...	117	1	116	2	110	1	107	3	21
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	168	1	167	7	159	2	22
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	209	2	207	3	23
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	249	...	...	24
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31
32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32
33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33
34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34
35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35
36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36
37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37
38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38
39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39
40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	40
41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41
42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	42
43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43
44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	44
45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45
46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	46
47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47
48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48
49	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49
50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	50
51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	51
52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52
53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	53
54	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	54
55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55
56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56
57	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57
58	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58
59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59
60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60
61	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61
62	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62
63	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	63
64	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	64
65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	65
66	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66
	171	2	189	4	191	4	212	3	237	7	284	8	383	8	530	7	711	13	935	15					
												Age 10	66	2											
												— 11	83	0											
												— 12	100	1											
												— 13	131	0											
												— 14	158	2											
												— 15	171	2											
												— 16	189	4											
												— 17	191	4											
												— 18	212	3											
												— 19	237	7											
												Total	1538	25											

TABLE B. continued.

Showing the Duration of the Lives of those Persons *only*, who have become Members of the *EQUITABLE SOCIETY*, between Sept. 1762 and Jan. 1st, 1829; and who have either continued their Assurances to the later date, or died in the intervening period.

Age.	Age 65.		Age 66.		Age 67.		Age 68.		Age 69.		Age 70.		Age 71.		Age 72.		Age 73.		Age 74.		Age.
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
10	1	.....	1	.....	1	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
17	1	.....	1	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
21	4	.....	3	.....	3	.....	3	.....	2	.....	2	.....	2	1	.....	.....	.....	.....	.....	.....	21
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
23	3	.....	2	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
24	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
25	4	.....	3	.....	2	.....	2	.....	1	.....	1	.....	1	.....	1	.....	1	.....	1	.....	25
26	4	.....	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
27	11	.....	8	.....	7	.....	7	.....	6	.....	5	.....	4	1	.....	.....	.....	.....	.....	.....	27
28	16	1	13	2	.....	8	.....	7	1	.....	5	.....	5	1	.....	3	.....	2	.....	1	28
29	17	2	14	.....	14	.....	14	1	.....	12	1	.....	10	1	.....	7	1	.....	5	.....	29
30	30	1	27	3	.....	22	2	.....	18	2	.....	13	.....	11	1	.....	9	1	.....	6	30
31	29	3	24	1	.....	20	3	.....	15	.....	13	2	.....	9	.....	7	.....	5	1	.....	31
32	39	3	31	2	.....	27	2	.....	23	2	.....	21	1	.....	17	2	.....	12	.....	.....	32
33	40	2	36	1	.....	31	.....	.....	29	1	.....	25	3	.....	21	1	.....	16	2	.....	33
34	45	5	40	.....	38	3	.....	33	1	.....	28	2	.....	22	.....	21	1	.....	18	.....	34
35	48	4	40	2	.....	36	2	.....	33	2	.....	30	3	.....	26	1	.....	25	3	.....	35
36	55	2	50	3	.....	44	2	.....	39	2	.....	34	2	.....	30	3	.....	24	2	.....	36
37	66	1	59	4	.....	49	2	.....	44	4	.....	38	1	.....	34	4	.....	28	1	.....	37
38	75	5	62	3	.....	51	2	.....	43	3	.....	37	3	.....	31	2	.....	28	2	.....	38
39	77	4	70	4	.....	62	3	.....	51	2	.....	45	3	.....	39	2	.....	34	2	.....	39
40	90	5	76	5	.....	67	5	.....	56	5	.....	49	4	.....	41	5	.....	34	3	.....	40
41	87	3	83	4	.....	75	4	.....	63	4	.....	57	2	.....	50	5	.....	41	4	.....	41
42	97	4	89	5	.....	79	3	.....	71	3	.....	62	2	.....	54	3	.....	50	2	.....	42
43	108	9	91	6	.....	79	4	.....	70	4	.....	62	5	.....	53	7	.....	43	2	.....	43
44	75	5	66	3	.....	55	1	.....	52	3	.....	46	4	.....	39	4	.....	33	4	.....	44
45	96	5	85	5	.....	77	5	.....	68	3	.....	61	4	.....	53	5	.....	46	5	.....	45
46	94	4	82	3	.....	70	3	.....	60	4	.....	52	2	.....	45	4	.....	41	3	.....	46
47	108	5	97	4	.....	89	4	.....	81	4	.....	75	4	.....	65	5	.....	53	3	.....	47
48	95	4	87	5	.....	75	4	.....	64	4	.....	57	6	.....	48	4	.....	41	4	.....	48
49	112	5	103	5	.....	93	7	.....	81	8	.....	71	6	.....	63	3	.....	57	4	.....	49
50	87	4	79	5	.....	71	3	.....	64	4	.....	58	4	.....	50	4	.....	45	5	.....	50
51	103	4	96	5	.....	88	5	.....	81	5	.....	71	2	.....	68	4	.....	61	6	.....	51
52	97	5	90	5	.....	80	5	.....	71	4	.....	64	5	.....	56	4	.....	49	5	.....	52
53	84	5	78	5	.....	71	4	.....	66	4	.....	59	3	.....	52	5	.....	45	5	.....	53
54	80	3	75	5	.....	69	5	.....	59	4	.....	51	2	.....	47	3	.....	42	3	.....	54
55	88	5	81	7	.....	72	4	.....	64	3	.....	58	3	.....	53	4	.....	47	2	.....	55
56	99	6	92	7	.....	82	6	.....	75	3	.....	70	5	.....	64	5	.....	58	5	.....	56
57	81	3	77	4	.....	72	4	.....	68	4	.....	64	4	.....	58	7	.....	51	3	.....	57
58	76	2	74	5	.....	68	4	.....	64	6	.....	57	3	.....	53	2	.....	50	3	.....	58
59	78	3	75	4	.....	69	4	.....	64	4	.....	60	3	.....	57	3	.....	50	3	.....	59
60	67	3	63	2	.....	59	2	.....	56	2	.....	52	3	.....	48	3	.....	44	2	.....	60
61	47	2	44	2	.....	41	3	.....	37	5	.....	31	2	.....	29	5	.....	23	2	.....	61
62	62	2	60	4	.....	56	4	.....	52	4	.....	48	4	.....	44	5	.....	39	2	.....	62
63	63	5	58	1	.....	57	2	.....	53	3	.....	48	3	.....	45	3	.....	41	3	.....	63
64	46	3	42	3	.....	38	3	.....	34	2	.....	32	2	.....	30	2	.....	27	2	.....	64
65	40	1	39	2	.....	37	2	.....	34	3	.....	31	3	.....	27	3	.....	24	5	.....	65
66	.....	.....	31	.....	31	.....	31	.....	31	2	.....	28	1	.....	26	1	.....	25	1	.....	66
	2728	136	2500	137	2239	121	2003	125	1786	112	1581	128	1383	105	1182	91	1025	73	892	80	
											Age 60	3806	115								
											— 61	3591	133								
											— 62	3378	118								
											— 63	3181	136								
											— 64	2936	136								
											— 65	2728	136								
											— 66	2500	137								
											— 67	2239	121								
											— 68	2003	125								
											— 69	1786	112								
											Total	28148	1269								

TABLE B. continued.

Showing the Duration of the Lives of those Persons *only*, who have become Members of the *EQUITABLE SOCIETY*, between Sept. 1762 and Jan. 1st, 1829; and who have either continued their Assurances to the later date, or died in the intervening period.

Age.	Age 75.		Age 76.		Age 77.		Age 78.		Age 79.		Age 80.		Age 81.		Age 82.		Age 83.		Age 84.		Age.	
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.		
7																					7	
8																						8
9																						9
10																						10
11																						11
12																						12
13																						13
14																						14
15																						15
16																						16
17																						17
18																						18
19																						19
20																						20
21																						21
22																						22
23																						23
24																						24
25	1		1		1	1																25
26																						26
27																						27
28	1	1																				28
29	4		3	1	1		1		1		1		1		1		1		1		1	29
30	2		1		1																	30
31	2		2		1		1		1		2		1									31
32	2	1	1		1		1		1		1		1		1		1		1		1	32
33	2		2		1	1																33
34	8	2	4	1	2		2		2	1												34
35	15	2	11	2	7	1	3		2	1		1		1		1		1		1		35
36	10	1	7	1	4		3		2	1												36
37	13	3	8		7		6	1	3		3	1	2		2		1		1			37
38	15	3	10	1	8		7	1	6	1	4		4	2	1							38
39	17	2	12	2	8	1	7		6		6	1	5		3		1		1			39
40	16	4	10	2	7		5		3		3		1	1								40
41	18	1	14		13	1	12		9		7	1	4	2	2		2		2			41
42	20	1	18	2	14		12	2	10	1	6	1	4	2	2		2	1	1			42
43	27	2	23	1	19		17	2	12	2	10	3	6	1	4		4	1	2			43
44	15	1	12	2	10		8		8	2	6	1	4	1	2	1	1	1				44
45	22	2	16	2	13		11	1	9		9	1	8	2	5		5	2	3			45
46	24	3	19	2	15	2	12		12	2	10	1	9	3	4		3		3	2		46
47	33	3	27	3	22	3	17	3	11	3	8	1	7		5	1	4		4			47
48	22	2	18	1	16	2	11	2	8		6	2	4		4		3		2			48
49	33	2	28	3	24	1	22	2	20	2	17		17	1	14		12	1	10			49
50	22	3	18	1	17	1	15	1	13	1	11	2	8	1	7		7	1	6	1		50
51	37	4	31	2	27	3	21	2	18	2	15	2	11	3	8	2	6	3	3			51
52	26	3	21	2	18	3	15	2	12	4	8	2	6	2	4		3		3			52
53	29	3	24	2	20	2	16	2	13		12	2	10	3	5	2	3	1	2			53
54	29	3	23	3	19	2	17	1	13	1	10	1	8	1	7	2	5	1	4			54
55	26	2	22	2	18	2	15	3	12	2	9	2	6	1	4		4	1	3	2		55
56	35	1	33	5	27	3	24	2	21	2	18	1	15	2	13		12	2	9			56
57	30	6	22	3	17	2	15	2	13	2	10	2	8	3	5		5	1	4			57
58	28	3	23	2	17	2	14	2	11	2	7	2	5	1	4	1	3		3			58
59	28	3	23	2	19	2	16	1	14	2	12	1	10	3	7	1	5		5			59
60	27	3	24	2	20	3	16	2	12	2	9	3	6	2	4		4		4			60
61	13	1	12	2	8	1	7	1	5	1	3	1	2		2		2	1	1			61
62	27	4	23	3	20	3	15	1	13	1	12	1	11	1	10	2	7		7			62
63	28	4	23	4	17	5	11	3	7	2	5	1	4		4	1	3		3			63
64	18		18	1	16	2	12	1	10	2	8		8	2	6		5		5			64
65	12	1	11		11	2	9	1	8	2	6		6	2	4	1	2		2			65
66	17	1	16	3	13	4	9		9	2	6	1	5	1	4		3		3			66
	754	81	614	65	499	55	405	41	329	46	259	37	207	43	149	14	120	17	99	11		
	Age 70										1581		128									
	— 71										1383		105									
	— 72										1182		91									
	— 73										1025		73									
	— 74										892		80									
	— 75										754		81									
	— 76										614		65									
	— 77										499		55									
	— 78										405		41									
	— 79										329		46									
	Total										8664		765									

TABLE B. continued.

Showing the Duration of the Lives of those Persons *only*, who have become Members of the **EQUITABLE SOCIETY**, between Sept. 1762 and Jan. 1st, 1829; and who have either continued their Assurances to the later date, or died in the intervening period.

Age.	Age 85.		Age 86.		Age 87.		Age 88.		Age 89.		Age 90.		Age 91.		Age 92.		Age 93.		Age 94.		Age.			
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.				
7																					7			
8																					8			
9																					9			
10																					10			
11																					11			
12																					12			
13																					13			
14																					14			
15																					15			
16																					16			
17																					17			
18																					18			
19																					19			
20																					20			
21																					21			
22																					22			
23																					23			
24																					24			
25																					25			
26																					26			
27																					27			
28																					28			
29																					29			
30																					30			
31																					31			
32																					32			
33																					33			
34																					34			
35	1	1																			35			
36																					36			
37	1	1																			37			
38																					38			
39	1		1		1		1		1		1		1		1						39			
40																					40			
41	2		2	1																	41			
42																					42			
43	1																				43			
44																					44			
45	2		2		2	1	1		1	1											45			
46	1		1		1		1														46			
47	3		3	1	2		2		2	1	1										47			
48	2	1	1		1																48			
49	10	1	7	2	4	1	3		3		3	1	2		2	1					49			
50	4	2	2	1	1		1														50			
51	2	1	1		1	1															51			
52	3		3		3		3	1	2		2	1	1	1							52			
53	1																				53			
54	3		3		3	1	2	1													54			
55	1		1		1		1		1	1											55			
56	7	2	5		5	2	3	1	1		1	1									56			
57	4		4	1	3	1	2	1	1		1		1		1	1					57			
58	2		2		2	1	1	1													58			
59	4	1	3	1	2		2		2		2										59			
60	4		4		4	1	2		2		2	1	1	1							60			
61	1		1		1		1		1	1											61			
62	5	1	2		2		2		2	1	1		1		1		1		1	1	62			
63	3		2	1	1		1		1		1		1								63			
64	4	2	2	1	1		1		1		1		1	1							64			
65	2		2	1	1	1															65			
66	3		3		3	1	2		2	1											66			
	77	13	57	10	45	11	32	5	23	6	16	4	9	3	5	2	1	0	1	1				
	Age 80										259	37	Age 90										16	4
	— 81										207	43	— 91										9	3
	— 82										149	14	— 92										5	2
	— 83										120	17	— 93										1	0
	— 84										99	11	— 94										1	1
	— 85										77	13	Total										32	10
	— 86										57	10												
	— 87										45	11												
	— 88										32	5												
	— 89										23	6												
	Total										1068	167												

TABLE C.

Showing the Probabilities of the Duration of Human Life at all Ages from 10 to 97; deduced from TABLE A.

Age.	Living.	Decrements.	Age.	Living.	Decrements.	Age.	Living.	Decrements.
10	5000	36	40	3922	43	70	1800	115
11	4964	36	41	3879	44	71	1685	115
12	4928	36	42	3835	44	72	1570	115
13	4892	36	43	3791	44	73	1455	115
14	4856	36	44	3747	45	74	1340	115
15	4820	36	45	3702	47	75	1225	114
16	4784	36	46	3655	47	76	1111	109
17	4748	36	47	3608	48	77	1002	105
18	4712	36	48	3560	49	78	897	101
19	4676	35	49	3511	50	79	796	96
20	4641	34	50	3461	52	80	700	93
21	4607	33	51	3409	55	81	607	90
22	4574	33	52	3354	58	82	517	85
23	4541	33	53	3296	62	83	432	83
24	4508	33	54	3254	64	84	349	73
25	4475	34	55	3170	66	85	276	61
26	4441	34	56	3104	70	86	215	50
27	4407	34	57	3034	75	87	165	42
28	4373	34	58	2959	79	88	123	34
29	4339	34	59	2880	84	89	89	22
30	4305	35	60	2796	88	90	67	18
31	4270	35	61	2708	90	91	49	14
32	4235	36	62	2618	91	92	35	11
33	4199	37	63	2527	93	93	24	8
34	4162	38	64	2434	95	94	16	7
35	4124	38	65	2339	100	95	9	5
36	4086	39	66	2239	105	96	4	3
37	4047	40	67	2134	108	97	1	1
38	4007	42	68	2026	111			
39	3965	43	69	1915	115		244092	5000

TABLE D.

Showing the Probabilities of the Duration of Life at all Ages from 10 to 97; deduced from TABLE B.

Age.	Living.	Decrements.	Age.	Living.	Decrements.	Age.	Living.	Decrements.
10	5000	38	40	3496	53	70	1421	87
11	4962	38	41	3443	53	71	1334	87
12	4924	38	42	3390	53	72	1247	87
13	4886	38	43	3337	53	73	1160	87
14	4848	38	44	3284	53	74	1073	87
15	4810	39	45	3231	53	75	986	87
16	4771	40	46	3178	54	76	899	87
17	4731	40	47	3124	54	77	812	86
18	4691	42	48	3070	54	78	726	86
19	4649	45	49	3016	54	79	640	86
20	4604	50	50	2962	56	80	554	82
21	4554	54	51	2906	58	81	472	76
22	4500	56	52	2848	60	82	396	70
23	4444	58	53	2788	62	83	326	65
24	4386	58	54	2726	66	84	261	56
25	4328	58	55	2660	70	85	205	46
26	4270	58	56	2590	73	86	159	38
27	4212	58	57	2517	75	87	121	30
28	4154	58	58	2442	77	88	91	25
29	4096	58	59	2365	80	89	66	20
30	4038	57	60	2285	83	90	46	16
31	3981	56	61	2202	85	91	30	10
32	3925	56	62	2117	87	92	20	7
33	3869	55	63	2030	87	93	13	5
34	3814	53	64	1943	87	94	8	4
35	3761	53	65	1856	87	95	4	2
36	3708	53	66	1769	87	96	2	1
37	3655	53	67	1682	87	97	1	1
38	3602	53	68	1595	87			
39	3549	53	69	1508	87		221155	5000

TABLE E.

Showing the Expectations of Human Life at every Age from 10 to 97; deduced from TABLE A.

Age.	Expectations.	Age.	Expectations.	Age.	Expectations.
10	48.318	40	27.395	70	8.699
11	47.665	41	26.693	71	8.259
12	47.009	42	25.994	72	7.827
13	46.352	43	25.290	73	7.406
14	45.691	44	24.581	74	6.999
15	45.029	45	23.873	75	6.609
16	44.364	46	23.174	76	6.236
17	43.697	47	22.469	77	5.860
18	43.027	48	21.766	78	5.487
19	42.354	49	21.065	79	5.120
20	41.670	50	20.360	80	4.754
21	40.974	51	19.662	81	4.406
22	40.266	52	18.977	82	4.086
23	39.555	53	18.302	83	3.791
24	38.840	54	17.643	84	3.574
25	38.123	55	16.989	85	3.387
26	37.411	56	16.340	86	3.207
27	36.696	57	15.705	87	3.027
28	35.977	58	15.091	88	2.890
29	35.255	59	14.491	89	2.803
30	34.530	60	13.911	90	2.559
31	33.809	61	13.347	91	2.316
32	33.084	62	12.789	92	2.042
33	32.364	63	12.231	93	1.750
34	31.647	64	11.680	94	1.375
35	30.934	65	11.134	95	1.055
36	30.217	66	10.609	96	750
37	29.503	67	10.106	97	500
38	28.793	68	9.618		
39	28.092	69	9.146		

TABLE F.

Showing the Expectations of Human Life at every Age from 10 to 97; deduced from TABLE B.

Age.	Expectations.	Age.	Expectations.	Age.	Expectations.
10	43.731	40	25.653	70	8.699
11	43.062	41	25.040	71	8.234
12	42.390	42	24.424	72	7.774
13	41.716	43	23.804	73	7.319
14	41.039	44	23.180	74	6.872
15	40.359	45	22.552	75	6.435
16	39.685	46	21.920	76	6.009
17	39.016	47	21.290	77	5.599
18	38.345	48	20.656	78	5.203
19	37.687	49	20.017	79	4.835
20	37.050	50	19.373	80	4.509
21	36.451	51	18.736	81	4.205
22	35.883	52	18.108	82	3.916
23	35.329	53	17.487	83	3.650
24	34.789	54	16.873	84	3.434
25	34.249	55	16.280	85	3.236
26	33.707	56	15.706	86	3.028
27	33.165	57	15.147	87	2.822
28	32.621	58	14.597	88	2.588
29	32.075	59	14.056	89	2.378
30	31.529	60	13.530	90	2.195
31	30.973	61	13.021	91	2.100
32	30.408	62	12.524	92	1.900
33	29.841	63	12.039	93	1.653
34	29.264	64	11.556	94	1.375
35	28.669	65	11.074	95	1.250
36	28.072	66	10.594	96	1.000
37	27.472	67	10.117	97	500
38	26.869	68	9.641		
39	26.263	69	9.169		

TABLE.

Showing the Disorders (as certified to the Court of Directors) of which Persons assured by the EQUITABLE SOCIETY have died during Thirty-two Years, from the 1st of January 1801, to the 31st of December 1832.

DISEASE.	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 &c.	Total.
Accidents		7		11	9	4	5	4	40
Angina Pectoris			8	16	45	47	26	3	145
Aneurism			1	2			1		4
Apoplexy	1	4	25	56	129	169	86	16	486
Asthma				2	20	26	22	4	74
Atrophy			4	7	11	15	6		43
Cancer			2	5	14	15	4	3	43
Child Birth			2	2					4
Cholera Morbus			2	5	5	9	5	1	27
Consumption	4	23	63	83	81	66	18	1	339
Convulsion Fits				4	1	3			8
Decay (Natural and Old Age)					10	128	241	187	566
Diabetes				3	2	1	1	1	8
Disorders not properly defined			9	11	20	27	12		79
Dropsy	1		10	39	67	83	50	7	257
Dropsy on the Chest		1	3	23	52	59	42	3	183
Dysentery			1	3	5	11	11	3	34
Disease of the Stomach and Digestive Organs		2	9	12	28	31	22	2	106
Diseased Liver		2	8	37	54	49	23	2	175
Disease of the Bladder and Urinary Passages			3	9	25	44	41	6	128
Epilepsy		1	2	8	2	2	4		19
Erysipelas		1	2	7	6	7	3		26
Fevers, General		5	30	55	61	70	34	7	262
— Bilious		1	5	10	10	8	2	1	37
— Nervous		3	3	13	9	9	5		42
— Inflammatory		3	2	6	10	5	6		32
— Putrid		2	7	4	7	7	1		28
Gout			2	6	8	14	7	1	38
Inflammation of the Bowels	2	2	14	20	26	44	16	2	126
— of the Lungs		2	12	12	41	56	45	17	185
— of the Brain	1	4	15	16	13	12	2	1	64
Inflammation of the Chest and Peripneumony	1	1	1	8	11	21	12	4	59
Mortification				2	12	14	12	6	46
Murdered				1	1		1		3
Palsy		1	5	15	47	84	74	9	235
Pleurisy				1	1	2			4
Quincy				1	1	1			3
Rupture of a Blood Vessel	1		12	19	19	22	9		82
Slain in War	1	1	1	1					4
Small Pox								1	1
Stone					1	2	7	2	12
Suicide		1	2	6	15	5			29
Water on the Brain			1	3	4	1			9
	12	67	266	544	883	1173	856	294	4095

Supplement to TABLE A.

Showing the Mortality of the Members of the EQUITABLE SOCIETY in the years 1829, 1830, 1831 and 1832.

Ages.	1829.		1830.		1831.		1832.		Total.	
	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.	Living.	Died.
7 to 9			1						1	
10—19	41		46		52		55	0	194	
20—29	287	4	282	2	281	2	249	1	1099	9
30—39	969	3	931	11	918	7	873	4	3691	25
40—49	1718	22	1668	19	1583	13	1531	21	6500	75
50—59	1952	34	1932	34	1919	29	1909	30	7712	127
60—69	1268	51	1267	55	1297	70	1311	58	5143	234
70—79	554	45	565	47	561	44	573	60	2253	196
80—89	76	14	82	18	91	18	94	34	343	84
90—96	6	3	3		5	1	6	4	20	8
	6871	176	6777	186	6707	184	6601	212	26956	758

